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1. Introduction

1.1 Background

Scott Wilson Ltd has been commissioned by the Environmental Protection Department (EPD) to carry out a comparative study of noise levels at residential premises, venues of social activities and to appraise the effectiveness of mitigation measures for road traffic noise impacts in Hong Kong.

1.2 Scope of the Study

The key aim of this Study is to obtain typical noise levels at residential premises, venues of social activities and to appraise the effectiveness of different noise mitigation measures in alleviating road traffic noise.

This Study summarizes the noise monitoring data measured at residential dwellings located in various zones in Hong Kong. The summary aims to provide an overview of the noise climate of the subject locations based on the monitoring results obtained. Such noise climate is in general composed of the representative noise generating activities during different time periods of a day, the noise levels of each activity, and their relationship with the outdoor noise environment.

The associated analysis for residential and social premises is also made in this final report to review the current findings and information on ambient noise levels, the noise-related activities together with general lifestyles observed in the Study. The noise levels for mitigation measures and appreciation of their effectiveness are also provided in this Final Report.

The results presented in this Study could be serve as an indicative reference for which might be useful in future relevant studies as well as developing a future ambient noise policy in Hong Kong.

2. Methodology

2.1 Residential

2.1.1 General

Noise monitoring has been carried out simultaneously at both the selected indoor and outdoor locations.

Indoor noise monitoring has been carried out with reference to the ISO 1996-1:2003. In order to minimise the facade effect of the indoor environment and the noise contribution from outdoor noise sources, the noise measurement was carried out a position at least 1m from any walls, 1.5 m from any window openings and 1.2 m above ground. The exact noise monitoring location was determined to be at a position where a person exposing to the noise source was located. In addition, with reference to Section 2.4.3 of Guidelines for Community Noise (WHO, 1999), indoor noise measurements were taken at several positions to characterize the averaged sound pressure in a room.

Concurrent outdoor noise monitoring has been conducted with reference to ISO 1996-1:2003. The noise measurement location for outdoor environmental activities was located 1 m away from the centre of the windows of the subject dwelling and all the measurements were taken under façade condition.

Integrated sound level meters which are in compliance with the International Electromechanical Commission Publications 651:1979 (Type I) and 804:1985 (Type I) were used throughout the entire study.

High resolution colour digital photographs with more than 3 mega pixel as well as five-minute video records with tracked sound were recorded to give an illustration of the subject sites, the equipment set up, the surrounding environment and other activities affecting or contributing to the noise level during the measurement period. Subject to actual activities or types of venue, the monitoring time periods are broadly classified into Breakfast time (say 0701 – 0900 hours), Morning (say 0901 – 1130 hours), Lunch time (say 1130 to 1330 hours), Afternoon (say 1330 to 1800 hours), Dinner time (say 1801 to 2000 hours), Evening leisure time (say 2001 to 2300 hours), Before rest time (say 2300 – 2400 hours) and Resting time (say 0000 to 0700 hours)

To ensure the traceability of noise source(s), video records with tracked sound are essential. However, it was understood that, except without prior consent from the occupants, photo and video records were only taken as far as reasonably practicable. Furthermore, subject to observed household activities and living habits of various occupants of the measurement sites, it is not uncommon to have a wide range of noise levels arising from the same type or combination of activities. In this connection, particular attentions have been put into this Study to record special activities observed during the monitoring periods.

2.1.2 Monitoring Sites

Residential premises in Hong Kong are broadly classified into 20 categories (NE01 to NE20) regarding to the Types of Area in which they are located, the effect of the Influencing Factors (IF) and the degree to which these residential premises are being affected. Every site was identified and confirmed by extensive site visits to fit into the categories as tabulated in Table 2.1.

Table 2.1 The Residential Premises Categorisation

Degree to which the residential premises is affected by IF / Type of Area	Not Affected	Indirectly Affected		Directly Affected	
		By Major Road	By Industrial Area	By Major Road	By Industrial Area
Rural area, including country parks or village type developments	NE01	NE02	NE03	NE04	NE05
Low density residential area consisting of low-rise or isolated high rise developments	NE06	NE07	NE08	NE09	NE10
Urban area	NE11	NE12	NE13	NE14	NE15
Area other than those above	NE16	NE17	NE18	NE19	NE20

Influencing Factor (IF) – refers to Major Road or Industrial Area, which are defined as below:

- Major Road – defined as a road which has a heavy and generally continuous flow of vehicular traffic and, in normal circumstances, means a road with an annual average daily traffic flow in excess of 30,000.
- Industrial Area – defined as an area which consists of a number of factories or industrial establishments; or an establishment which is having industrial operation or operations that is or are of a significant scale.

For the purpose of this Study, the degree to which a residential premises is affected by IF is defined as below:

- Not Affected – defined as the noise generated by the IF is not noticeable.
- Indirectly Affected – defined as the noise generated by the IF, whilst noticeable, is not a dominant feature of the noise climate.
- Directly Affected – the noise generated by the IF is readily noticeable and is a dominant feature of the noise climate.

The territory of Hong Kong is divided into 4 regions. They are:

Region 1 – Hong Kong Island, most of Lantau Island, Ap Lei Chau, Lamma Island, Cheung Chau and other outlying island located in the south of the whole of the Hong Kong territory.

Region 2 – Eastern Kowloon and South-eastern New Territories including Tseung Kwan O and Sai Kung.

Region 3 – Western Kowloon, Kwai Ching, Ma Wan, Tsuen Wan, Tuen Mun and Northern Lantau.

Region 4 – Northern New Territories including Yuen Long, Sha Tin, Tai Po and North District.

The monitoring sites are selected such that they are more or less evenly distributed within each of the above 4 regions as indicated in the map with at least 1 km away from each other. The latest Annual Traffic Census available (2003) issued by the Transport Department was applied in this Study for roads classification.

2.1.3 Noise Parameters and Time of Measurement

The noise measurement at 2 out of the 10 identified measurement sites in each category of the residential premises was carried out at a dominant indoor assessment point for a continuous 24-hour period. At each of the 2 monitoring sites, Data Set Units (DSUs) were recorded once every 15-minutes during the entire 24-hour monitoring period. DSU is defined as a set of data consisting of the A-weighted L_{10}, L_{90}, L_{eq} and L_{max} simultaneously taken over a period of 15 minutes. Concurrent measurement was also carried out at an outdoor assessment point.

The remaining noise monitoring at those 8 out of the 10 identified measurement sites in each category was conducted at an indoor assessment point during each of the day, evening, and night time periods. At each measurement site, 2 consecutive DSUs were obtained during each of the mentioned 3 time periods. Concurrent noise measurement was carried out at an outdoor assessment point.

The total number of noise measurements required was tabulated in Table 2.2.

Table 2.2 Summary of the Number of Noise Measurement

Number of Sites	Measurement period	Number of DSU required for each location	Measurement Duration (hr)
160	Day, evening, and night	6 DSUs	240
40	24-hour	96 DSUs	960

To comply with the requirements set out in Section 2.4.3 of the Guidelines for Community Noise (WHO, 1999), indoor noise measurement was taken at several positions to characterize the averaged sound pressure in a room. As a result, depending on the size of the subject room, 2 to 4 sets of data consisting of the A-weighted L_{10}, L_{90}, L_{eq}, and L_{max} taken over a period of 1 minute were obtained in various locations.

For measurement locations which were considered and subsequently confirmed by site visits to be affected by road traffic noise, the measurement was carried out during the peak traffic hours to obtain representative road noise impact.

2.1.4 Monitoring Locations at Residential Premises

2.1.4.1 Indoor Noise Monitoring

Due mainly to the temporal variation of household activities in different locations of residential premises, noise monitoring was carried out at an appropriate location subject to the activities observed during noise monitoring period. For example, living room is considered to be appropriate during both the day and evening periods as it was the place where most of the activities were observed to carry out. Similarly, bedroom was normally selected for night time noise monitoring. A summary of the appropriate monitoring location at residential premises is illustrated in Table 2.3.

Table 2.3 Appropriate Monitoring Locations

Period	Monitoring Location
Day	Living Room
Evening	Living Room or Dining Room
Night	Bedroom

As mentioned previously, in order to protect personal privacy, when the occupants are in bed, no monitoring, audio and video recording were taken at night time (2300 to 0700) except when prior consent from the occupants was reached. In case when permission was not granted for noise monitoring in a bedroom at night time, the noise measurement was conducted in either the living room or dinning room instead.

The specific monitoring location at each residential dwelling was selected in accordance with both the ISO 1996 and the WHO guidelines. In order to obtain the representative noise levels at the occupants, specific locations are suggested as shown in Table 2.4. The height of each monitoring position is at 1.2 m above floor level.

Table 2.4 Specific Monitoring Position

Household Activities	Specific Position
TV Watching	At audience position (e.g. near sofa, chair, etc)
Mahjong Playing	At one of the players' chair
TV / Computer Games / Use of Computer / Reading / Studying	At player / user position
Meal / Party / Dining	At the place of occurrence
Exercise / Working out / Keeping fit	At player position
Floor Sweeping / Vacuum Cleaning	No specific position (suggested to be undertaken in the centre of the dominant location)
General Chatting	
Listening to Music / Radio	

2.1.4.2 Outdoor Noise Monitoring

Outdoor noise monitoring was carried out at the exterior of the subject room in which the window façade was facing to the Influencing Factors (IF). The affected windows of dinning room, living room and bedroom where for residential purpose were considered for outdoor noise measurement location. The exact location was decided by site visit and layout plan available in advance of the noise measurement, whereas no IF was found upon site visit, any window façade with an open view and no other external noise contributing factor(s), e.g. close to an air-conditioner, was selected.

However, it should be noted that though effort is paid to ensure that the entire measurement complied with that stated in the standard methods, due mainly to the actual conditions of the site at the exact moment when noise measurement was conducted, the noise level is still subject to certain effect of the indoor noise level especially under a condition when significant indoor noise level is generated with open windows.

2.2 Social

2.2.1 General

All the noise measurement was carried out with reference to the ISO 1996-1:2003. In order to minimize the reverberant effect of the indoor environment and the noise contribution from outdoor noise sources, the noise measurement was conducted at a position at least 1 m away from any walls, 1.5 m away from any window openings and 1.2 m above ground. In addition, to comply with the requirements set out in Section 2.4.3 of the guidelines for Community Noise (WHO, 1999), indoor noise measurements were conducted at several positions to characterize the range of sound pressure levels in a room. To reflect the actual noise level at an exposed person, it is crucial to conduct the measurement at the position of the person of interest.

Putting these into Hong Kong context, many social venues contain multiple rooms or sub-venues. In order to obtain the representative noise levels, noise measurement was taken at the "dominant location", i.e. at an indoor premise that is either the most popular or the most commonly occupied. Focus was only placed on customers instead of employees hired to work in the social venues.

Furthermore, only the "dominant activities" within the dominant location were determined and their locations of occurrence were recorded. Afterwards, a position within the dominant location was selected where it largely represents the average noise climate of a venue. This is usually the centre of the dominant location of a particular venue, preferably at positions where occupied by dominant users.

While the noise measurement at the dominant location was in progress, another 2 to 4 sets of data consisting of the A-weighted L_{10}, L_{90}, L_{eq}, and L_{max} taken over a period of 1 minute were obtained in various location of the subject room so as to characterize the range of sound pressure levels in the subject social venue.

2.2.2 Monitoring Sites

For the purpose of this Study, the Social Venues in Hong Kong were broadly categoried to the following categories:

<u>Restaurants</u>
- Chinese Restaurants
- Hong Kong Style Café and Fast Food Court
- Non-Chinese Restaurants

<u>Places for Public Entertainment</u>
- Disco
- Karaoke
- Lounge / Bar
- Games Centre
- Concert Hall

<u>Recreational Places</u>
- Swimming Pool / Beaches
- Barbecue Spot
- Public Park
- Country Park
- Undeveloped Area
- Operating Personal Audio Players

2.2.3 Monitoring Locations

Except for the noise monitoring at Country Park, Undeveloped Area and Operational Personal Audio Players, all noise monitoring was carried out in the middle of a selected dominant location, at 1.2m above ground, during the peak hours. During the measurement period at the centre of the venue/place, another two to four sets of data taken over a period of 1 minute were also obtained in different location of the venue/place in order to characterize the range of sound pressure levels in the subject social venue.

2.2.3.1 Chinese Restaurants

This category is purposely to cover all Chinese (Guangzhou, Chiuchou, Peking, etc.) and Hong Kong style (Food Court, Fast Food Café, etc.) restaurants. Larger restaurants are considered to be able to accommodate more than 200 patrons at the same time whereas smaller restaurants can accommodate about 30 patrons at one time.

Dominant Location

- Small square tables for 4 to 6 people and large round tables for 8 to 10 people.
- Each table is considered to be a representative dominant location of usage.
- Taking into consideration that users of the venue is normally at a sitting position and thereby the normal hearing position is about 1.2 m above ground.

Dominant Activities

- General conversation
- Verbal ordering of food by patrons and the subsequent communication by the restaurant staffs
- Announcement made through PA systems
- Sound produced by TV
- Sales of food such as dim sum by shouting the name
- Banquet music during function and ceremony
- Mahjong playing

Peak Hours

All noise monitoring was carried out during the peak hours specified as Breakfast (0800 to 1000 hours), Lunch (1200 to 1400 hours) on weekdays on Saturday, Sunday and Public Holidays and dinner or banquet period (2000 to 2200 hours) on Friday nights, Saturdays and Sundays.

2.2.3.2 Non-Chinese Restaurants

This category is purposely to cover all foreign style (Japanese, Indonesian, American, Italian and French) restaurants. Larger restaurants can accommodate more than 200 patrons at the same time whereas smaller restaurants can accommodate about 20 patrons at one time.

Dominant Location

- Mainly small table contains 4 to 6 persons and some large table contains 10 persons
- Big western restaurant like Fat Angelo or Amaronie’s Little Italy can contain more than 200 patrons at the same time
- Small restaurant like Les Celebrite French Restaurant in hotel Nikko can contain around 20 persons at the same time
- Each table inside restaurant is considered to be a representative dominant location of usage in a restaurant

- Users of the venue usually sit on the chair around the table. The normal hearing position is about 1.2m above ground

Dominant Activities

- Gentle music produced by speaker
- Instrumental or singing performance in the restaurant
- The conversation between friend around the table
- It is proposed to choose the table which is at the centre of the restaurant in order to prevent the reverberant effect from the walls.

Peak Hours

- The monitoring was conducted during the peak hours, normally during lunch (1200-1400 hours) and dinner period (2000-2200 hours) from on Friday nights, Saturdays and Sundays.

2.2.3.3 Karaoke Lounge

Dominant Location

In Hong Kong, the operation of karaoke lounges has been evolving. Before, such venues would usually be operated in form of a bar where a lot of people sat in a big hall where people took turn to sing on the stage. Nowadays, such venue is divided into individual rooms from as small as to accommodate 1-2 people, to as large as 40-60 people, and is operated as a karaoke restaurant where people can order food and drinks while they are singing or karaoke. Each such room is thus considered to be a dominant location of usage in a karaoke restaurant. Also, depending on the size of a particular karaoke restaurant, the number of rooms in different sizes varies. In order to obtain the representative noise levels, the most popular room was selected in this Study as a dominant location.

Dominant Activities

The noise generating activities thus comprises primarily that produced by the speakers / AV systems where people are singing. The less significant sources derive from people chatting, ordering or occasionally from the TV set. Users of the venue usually sit on the sofa as provided. The normal hearing position is about 1.2m above ground. Such sofa, however, is usually located very close to the walls, which is not particularly favourable for noise measurement.

Peak Hours

The monitoring was carried out during the peak hours, normally on Friday nights, Saturdays and Sundays.

2.2.3.4 Lounge / Bars

Dominant Location

- Mainly small table contains 2 to 6 persons
- The size of bar is about 1000 sq feet and may contain about 50 person
- It is proposed to choose the table which is at the centre of the restaurant in order to prevent the reverberant effect from the walls
- Each table inside restaurant is considered to be a representative dominant location of usage in a restaurant
- Users of the venue usually sit on the chair around the table. The normal hearing position is about 1.2m above ground

Dominant Activities

- Loud music produced by speaker
- Loud conversation throughout the night
- Shout and hand capping by patrons
- Live band performance

Peak Hours

The monitoring was carried out during the peak hours, normally at late night (2200-0000 hours) on Friday nights, Saturdays and Sundays.

2.2.3.5 Discos

Dominant Location

- Most of the patrons will go to the dancing pool to dance and would take a rest and chat with friend around the table
- A few small tables contains 4 to 6 persons
- Disco like "Hot gossip" can contain more than 200 patrons at the same time
- The patrons will dance, chat and play games
- The dancing pool is considered to be a representative dominant location of usage in a disco
- Users of the venue usually stand up in the dancing pool. The normal hearing position is about 1.5m above ground

Dominant Activities

- Loud music (>120dB(A)) throughout the night
- Dance
- Loud music from speaker
- Chatting

Peak Hours

The monitoring was carried out during the peak hours, normally on Friday nights, Saturdays and Sundays.

2.2.3.6 Game Centre

Type of Game Centres

- Two different kind of game centre, 1) adventure game centre (Jumpin to Gym USA) 2) TV game centre
- Adventure game centre - About 15-30 game machines in a centre, mainly kids and old people
- TV game centre - About 20 to 100 TV game machine in the centre, mainly youngsters

Dominant Location

- The provided chair in front of the game machine is considered to be a representative dominant location of usage in a game centre
- Users of the venue usually sit on the seat provided in front of the game machine. The normal hearing position is about 1.2m above ground.

Dominant Activities

Shout, hand capping, chatting, music and sound effect from the game machine. There is very loud noise from the game machine if one wins the jackpot in an adventure game centre.

Peak Hours

- Adventure game centre – Normally in the afternoon (1400-1800 hours) on Saturday and Sunday
- TV game centre - Normally in the evening (2000-2200 hours) on Friday, Saturday and Sunday

2.2.3.7 Concert Hall

Type of Concert Halls

- Musical (including pop, jazz, rock, etc.)
- Drama
- Traditional Chinese Musical Drama (Dai Hei)
- Dance (such as ballet, Jive, etc.)
- Dominant Location

With consideration of acoustic design in a concert hall, the noise level at any place inside the hall shall be ideally equal. The dominant location of the noise environment is presumed to be the same at anyplace in the hall.

Dominant Activities

- Singing Performance
- Shout, screaming and hand clapping
- Chatting after the show
- Announcement before and after the show

Peak Hours

During the performance

2.2.3.8 Swimming Pool / Beach

Dominant Location

Pool side (indoors and outdoors) or on the beach

Dominant Activities

Radio, music for dancing, chatting, screaming, playing in the water.

Peak Hours

In summer, from June to August each year. In the evening (1400-1700 hours) on Saturdays, Sundays and public holidays.

2.2.3.9 Barbecue Spot

Dominant Location

Around the barbecue spot

Dominant Activities

- Music or Radio broadcasting by speakers.
- Chatting during Barbecue
- Shouting and hand clapping while playing game.

Peak Hours

In the afternoon (1400-1700 hours) on Saturdays, Sundays and public holidays.

2.2.3.10 Public Park

Dominant Location

The dominant location is determined to be the Pavilion inside the Public Park. People are considered to stay there for a while to chat and play chess.

However, there are some old people doing exercise such as martial art in the open space of Public Park, they may play some music there as well. So in the morning, the space for the exercise is the dominant place.

Dominant Activities

- Doing exercise and chatting.

Peak Hours

The peak hour should be in the morning (0700-1000 hours), evening (2000-2200 hours) on weekday.

2.2.3.11 Country Park

Dominant Location

Beside the background from the natural environment, there is no noisy activity in the Country park. However, when the people need to take rest in way of hiking, they will join together in a meeting point. Therefore, the meeting point was considered to be the place where people would stay the most during hiking.

Dominant Activities

- Chatting

Peak Hours

- The peak hour should be during the period from 0700-1600 hours on Saturday and Sunday.

Monitroing Location

Noise monitoring was carried out at some specific location of hiking path including the starting point, finish point, meeting point of the selected country park and, at 1.5 m above ground, in the peak hour.

2.2.3.12 Undeveloped Area

A total of 8 undeveloped areas were selected with respect to 4 various regions of Hong Kong, as defined in previous Section 2.1.2 of this Report, and are listed below in Table 2.5.

Table 2.5 Summary of Noise Monitoring Sites at Undeveloped Area

Name of the Site	Measurement Period	Number of DSU for each location
Region 1		
(i) Central Reclamation Phase II	Day (0700 to 1900 hours); Evening (1900 to 2300 hours); and Night (2330 to 0630 hours)	6
(ii) Redevelopment for North Point Estate		6
Region 2		
(iii) South East Kowloon Redevelopment at Kai Tak	Day (0700 to 1900 hours); Evening (1900 to 2300 hours); and Night (2330 to 0630 hours)	6
(iv) Development at Tai Po Tsai		6
Region 3		
(v) West Kowloon Leisure Centre at West Kowloon Reclamation	Day (0700 to 1900 hours); Evening (1900 to 2300 hours); and Night (2330 to 0630 hours)	6
(vi) Tuen Mun Area 54 near Siu Hang Tsuen		6
Region 4		
(vii) Whitehead Development at Whitehead	Day (0700 to 1900 hours); Evening (1900 to 2300 hours); and Night (2330 to 0630 hours)	6
(viii) Fung Lok Wai		6

Dominant Location

As a number of the undeveloped area is closed to the busiest district or roads in Hong Kong, e.g. sites at Region 1, the dominant location is thereby suggested to be at a location facing the IF at a height of 1.2 m above ground under free field condition. In case if no particular IF is observed during the monitoring period, any accessible and well-distributed locations within the agreed site boundary were considered.

Monitoring Period

- Morning (0700 to 1900 hours);
- Evening (1900 to 2300 hours); and
- Night (2330 to 0630 hours)

For measurement locations which are considered and subsequently confirmed by site visits to be affected by the road traffic noise, the measurement will be carried out at the peak traffic hours, say (0700 – 0900 hours) and (0500 – 0700 hours) at Day and Night time, respectively.

Monitoring Location

Noise monitoring is proposed to be carried out at any accessible locations within the boundary of the site of interest without the influence of an IF. Otherwise, a location facing the IF under free field condition should be selected as far as reasonably practicable. During the measurement period for the dominant location, another 2 to 4 sets of data taken over a period of 1 minute are also obtained in various locations in the undeveloped area in order to characterize the range of sound pressure levels in the subject site.

2.2.3.13 Operating Personal Audio Players

The measurement was carried out with the aid of an artificial head and torso (B&K Type 4100D) which complies with standard IEC 60959.

Two microphones, positioned at the entrances to the ear canals on the manikin's head, simulate the spatial separation from ear to ear of a human head and ensure a signal that includes the interference patterns caused by the head and upper body. In addition, two moulded-silicone pinna simulators sit around the microphones to provide directivity patterns similar to the human ear.

As such, the anthropometrics dimensions of the head and torso of a medium-sized adult could be simulated. For measurements, the participants with different age-group were selected randomly. With the use of their own portable musical equipment, the participants were allowed to select two or three of their favourite songs and listen to them at the sound level they normally do. When finished listening, the participants were asked to retain the definitive sound level setting made on the equipment.

Subsequently, the same musical equipment was deployed to replay the songs on the artificial head and torso at the sound levels as preset by the subjects. The electrical signals were analysed with the aid of two real-time analyzers (dual-channel third octave band B&K Type 2260). The sound levels were then be analysed statistically to obtain different noise descriptors such as percentiles and the equivalent sound level.

Dominant Location

The acoustic measurements were carried out at 10 specified places. They are mainly divided into two categories with respect to whether the ambient noise level is low or high.

Table 2.6 Summary of Noise Monitoring Sites for the operation of Personal Audio Player

Category	Low Ambient Noise Level		High Ambient Noise Level	
	Transportation	Non-transportation	Transportation	Non-transportation
Monitoring Location	Taxi	Country park	Bus	Dinning at food court
	Bicycle	Working at office	MTR	Walking along a busy road
			KCR	
			West rail	

2.3 Noise Mitigation Measures

2.3.1 General

The effectiveness of various noise mitigation measures is to be determined by *in-situ* testing of the existing provisions. Insertion loss shall be determined in both A-weighted and third-octave levels. Insertion loss is defined as the difference in sound pressure level, at a specific receiver position behind the noise mitigation measure, between the case where the noise mitigation measure is present, and the case where the noise mitigation measure is absent.

Noise measurement was conducted at suitable receiver locations within the shadow zone to obtain typical range of insertion loss of the mitigation measures under consideration. In this Study, focus is thus placed on five common types of noise mitigation measures, namely noise barriers, noise enclosures, podiums (with or without barrier), purposely built balconies and structural fins. Noise monitoring is to be carried out at carefully selected sites. As such, the noise levels obtained thereafter are to be used to give an appraisal of the effectiveness of the mitigation measures.

Specific noise measurement requirements stipulated in Section 6 of the Special Conditions of Contract was followed. All measurement was conducted by sound level meters in compliance with IEC Publications 651:1979 (Type 1) and 804:1985 (Type 1).

Noise monitoring was conducted at the proposed measurement sites and measurement points shown in Table 2.7.

Table 2.7 Proposed numbers of measurement sites and points

Mitigation measures	No. of sites	No. of sites by Indirect Measurement Method	No. of sites by Indirect Prediction Method	No. of measurement points at each site
Vertical barrier	10 [a]	10	/	4 for high-rise NSRs [b] 5 for low-rise NSRs [c]
Cantilevered barrier	6 [a]	4	2	
Enclosure	4 [a]	2	2	
Podium barrier	6 [a]	4	2	
Purposely built balcony	2	2	/	6 [d]
Structural fin	2	2	/	4 [e]
Total	30	24	6	

Note:
(a) For indirect measurement method, 1 “before” site and 1 “after” site for each location of mitigation measure. For indirect prediction method, just 1 “after” site for each location of mitigation measure.
(b) 1 point at each of low, mid and high levels of receiver; 1 reference point at source
(c) 2 points at each of low and high levels of receiver; 1 reference point at source
(d) 3 points (2 indoor points from balcony door and window; 1 reference point) at each of low and high levels of receiver
(e) 2 points (representing “before” and “after” situations) at each of low and high levels of receiver#

2.3.1.1 Indirect Measurement Method

The indirect measurement method applies when an outdoor mitigation measure has been installed prior to any direct “before” measurements and it cannot be readily removed to permit such measurements. In this event, the “before” condition may be simulated at a site that is equivalent to the site with the mitigation measure.

The indirect measurement method involves noise measurements at "Before" site and "After" site. Data is collected for the "Before" and "After" sites with respect to the methodology as stated Sections 2.3.2 - 2.3.4 in this report, i.e. one reference point under free field condition; two receiver levels (two monitoring points for each level) for low rise building or three receiver levels (one monitoring point for each level) for high rise building, during peak hours in the morning and afternoon session respectively.

This method is the preferred method and is adopted wherever suitable.

In some cases, the "before" site may not be duly in the same condition as the "after" site. As a result, the effects of factors such as angle of views and distances from road of "before" and "after" sites will be considered and appropriate corrections on the measured noise levels regarding the above mentioned effects will be made according to the CRTN.

2.3.1.2 Indirect Prediction Method

To appraise the effectiveness of noise mitigation measures in Hong Kong, the indirect measurement method as described above shall be used where suitable equivalent "before" sites are available. However, as revealed by the experience acquired in this Study, it is usually not always possible to make "before" measurement at an equivalent site. In this event, "Before" predictions of acoustical levels are proposed to further evaluate the effectiveness of some of the noise mitigation in Hong Kong where an equivalent "Before" site is not available.

The major difficulty that render the use of indirect measurement method impracticable is the lack of appropriate equivalent site for "Before" measurement due to constraints such as different traffic conditions, access problems, different topographic conditions, etc. Sites with mitigation measures including vertical barrier, cantilever barrier, enclosure, balcony, structural fins and podium barrier which were found not suitable for using indirect measurement method together with the key constraints/rationales identified was presented in Appendix C.

For these cases, reference is made to the indirect prediction method for the "Before" acoustical level conformed to the requirement of the ANSI S12.8-1998. It requires performing measurements at a site with mitigation measure to determine "After" levels, and using a noise-prediction model, such as the CRTN, to predict sound levels at an equivalent site without mitigation measure. Details of the methodology are listed as follows.

Data is collected for the "After" case with respect to the methodology as stated in Sections 2.3.2 - 2.3.4 in this report, i.e. one reference point under free field condition; two receiver levels (two monitoring points for each level) for low rise building or three receiver levels (one monitoring point for each level) for high rise building, during peak hours in the morning and afternoon session respectively. Where appropriate, requirements of ANSI S12.8-1998 on data collection for the "After" measurements are also made reference to.

Further site visits have been performed to confirm the suitability of proposed sites in terms of traffic flows as it is noted that the calculation of road noise level for traffic flows below 50 vehicle per hour is unreliable. Furthermore, a minimum of 4m horizontal distance between road kerb and reference point at the "After" site is used as one of the site selection criteria to ensure realistic comparison between measured and simulated noise level.

By using the measured traffic data and the observed site conditions, input the necessary information (building heights, ground conditions, observed traffic data for all roads contributing to the overall noise levels including traffic speed, traffic flow, heavy vehicle percentage and type of road surface, etc.) to road noise prediction model, such as the RoadNoise2000, to compute "Before" levels at the reference position and at each receiver position under the identical conditions as per the "After" case only without the presence of mitigation measures. Figure 2.1 to 2.3 illustrate the proposed methodologies for cantilevered barrier, enclosure and podium barrier respectively.

2.3.2 Monitoring for Road Barriers

The following methodology applies to both vertical and cantilevered type barriers in this Study.

Noise measurement is conducted with reference to the Indirect Noise Measurement method as stipulated in ISO10847 as the subject noise screening structures are presently installed and erected. In the "after barrier" case, a reference position was identified at least 1.5m above the top of the subject barrier. In case of cantilevered type barrier, or any complex-shaped barriers, the reference microphone position was placed at least 1.5 m above the highest point on the barrier. As such, an unaffected sound pressure level at the barrier position from the source is obtained. The reference microphone was located at a point on a vertical plane including the barrier to monitor the source equivalence. The receiver position, on the other hand, was identified at a solid surface of a building. The surface shall be solid and sound reflecting, and flat within ±0.05 m on a measuring area of at least 0.5m x 0.7m. The distance from the microphone to any other wall (or roof) surface edge was at least 1m. The microphone was mounted, where practicable, as close to the surface as possible by using a half-cut microphone windscreen. The microphone axis was oriented vertically. In case of the presence of any site constraints, the microphone must be placed at a different condition as mentioned above and correction will be made to the measured results according to the ISO10847 and ISO 1996. In case no appropriate equivalent "Before" site is available, the indirect prediction method making reference to ANSI S12.8-1998 as detailed in Section 2.3.1.2 above is adopted.

In the "before barrier" case, noise measurement was performed at a site similar to the actual "before" site. If possible, the simulated "before" site should be located next to the actual barrier site at an unshielded area.

Figure 2.4 gives an illustration of the measurement sites.

Vertical Barrier

Site visits have been conducted to identify potential barrier locations. A total of 5 after sites have been identified. In order to investigate the "before barrier" case, another 5 sites have been selected. There are total 10 sites selected to carry out the noise monitoring, upon confirmation of site suitability and availability after further detailed site visits.

Cantilevered Barrier

Site visits have been conducted to identify potential barrier locations. Two locations with cantilever barriers were chosen for indirect prediction method with 2 after sites. Another 2 after sites have also been identified for indirect measurement method, with 2 sites selected to investigate the "before barrier" case. Therefore, there are a total of 4 cantilever barrier locations selected to carry out the noise monitoring, upon confirmation of site suitability and availability after further detailed site visits.

2.3.3 Monitoring for Enclosures

The following methodology applies to both full and semi-enclosure in this Study.

Noise measurement is conducted with reference to the Indirect Noise Measurement method as stipulated in ISO10847 as the subject noise screening structures are presently installed and erected. Noise monitoring was conducted at the proposed measurement sites with respect to the number and location of measurement points as shown in Table 2.7.

Figure 2.5 illustrates the monitoring sites.

In the “after enclosure” case, a reference position was identified where an unaffected sound pressure level from the source is obtained. By the site constraints, the reference is proposed to locate at an appropriate distance adjacent to the subject enclosure The reference position should also locate at least 1.5 m above the top edge or the highest point of the subject enclosures. The reference microphone shall be located at a point on a vertical plane to monitor the source equivalence. The receiver position(s), on the other hand, shall be identified at a solid surface of a building. The surface shall be solid and sound reflecting, and flat within ±0.05 m on a measuring area of at least 0.5m x 0.7m. The distance from the microphone to any other wall (or roof) surface edge shall be at least 1m. The microphone shall be mounted, where practicable, as close to the surface as possible by using a half-cut microphone windscreen. The microphone axis shall be oriented vertically. In case of the site constraint, the microphone cannot be placed at the same condition as the requirement mentioned above. Correction will be required to adopt for the measured results according to the ISO10847 and ISO 1996.

In the “before enclosure” case, noise measurement shall be performed at a site similar to the actual “after” site. If possible, the simulated “before” site should be located next to the actual enclosure location at an unshielded area. In case no appropriate equivalent “Before” site is available, the indirect prediction method making reference to ANSI S12.8-1998 as detailed in Section 2.3.1.2 above is adopted.

Site visits have been conducted to identify potential enclosure locations. One enclosure location was identified to use the indirect measurement method, i.e. 1 after site and 1 before site. Another 2 locations were selected for indirect prediction method, i.e. 2 after sites. Therefore, there are a total of 3 enclosure locations selected to carry out the noise monitoring, upon confirmation of site suitability and availability after further detailed site visits.

2.3.4 Monitoring for Podium Barrier

The proposed methodology applies to both podiums with and without barrier.

Noise measurement was conducted with reference to the Indirect Noise Measurement method as stipulated in ISO 10847 as the subject noise screening structures are presently installed and erected. Noise monitoring was conducted at the proposed measurement sites with respect to the number and location of measurement points as shown in Table 2.7.

In the “after podium” case, a reference position was identified where an unaffected sound pressure level from the source is obtained. By the site constraints, the reference is proposed to locate at an appropriate distance adjacent to the subject podium. The reference position should also locate at 1.2m above ground. The reference microphone shall be located at a point on a vertical plane under free field condition to monitor the source equivalence. The receiver position(s), on the other hand, shall be identified at a solid surface of a building. The surface shall be solid and sound reflecting, and flat within ±0.05m on a measuring area of at least 0.5m x 0.7m. The distance from the microphone to any other wall (or roof) surface edge shall be at least 1m. The microphone shall be mounted, where practicable, as close to the surface as possible by using a half-cut microphone windscreen. The microphone axis shall be oriented vertically. In case the microphone cannot be placed at the same condition as the requirement mentioned above, due to the site constraint, correction will be made to the measured results in accordance with ISO 10847 and ISO 1996.

In the “before podium” case, noise measurement shall be performed at a site similar to the actual “after” site. If possible, the simulated “before” site should be located adjacent to the actual podium location at an unaffected area. Figure 2.6 illustrates the measurement locations for the noise survey on podium barrier. In case no appropriate equivalent “Before” site is available, the indirect prediction method making reference to ANSI S12.8-1998 as detailed in Section 2.3.1.2 above is adopted.

Site visits have been conducted to identify potential locations respectively for podium with and without barrier. A total of 2 podium locations (with 2 after sites together with their respective before sites), of which 1 podium with barrier and 1 podium without barrier, have been identified to use the indirect measurement method. Another 2 podium locations were chosen to use the indirect prediction method, i.e. with 2 after sites. Therefore, there are a total of 4 podium locations selected to carry out the noise monitoring, upon confirmation of site suitability and availability after further detailed site visits.

2.3.5 Purposely Built Balconies

In order to determine the insertion loss of the balcony, noise measurement was conducted at the reference position and receiver positions. Noise measurements at the reference position and the receiver positions were carried out simultaneously. For the receiver positions, noise measurements should be taken at a point indoor at 1 m from balcony door and at a point indoor at 1 m from window, respectively. The noise measurement for the reference position shall be carried out at 1m from facade. The window and reference position was chosen in such a way that an unaffected sound pressure level at the balcony from the source to be used is obtained.. The balcony door and the window flame were opened during the whole measurement period for the receiver positions.

Measurements were taken at heights 1.2m above ground at the receiver position. Also, the reverberant effect for the measurements indoor should be taken into account. Figure 2.7 illustrates the measurement locations for the noise survey on balcony. Moreover, receiver points at different height were identified to obtain the range of the insertion loss of the balcony. Noise measurement at two different levels of receiver including low floor and high floor was carried out.

Site visits have been conducted to identify potential balcony sites. 2 sites were selected to carry out the noise monitoring, upon confirmation of site suitability and availability after further detailed site visits.

2.3.6 Monitoring for Structural Fins

For each of the structural fins under investigation, one set of reference-and-receiver positions was identified for the “before fin” and “after fin” cases. Simultaneous measurement at receiver point protected by the architectural fin and a reference position where the conditions are similar to the “before” situation (e.g. at façade on the same residential unit where it is not affected by the fin) was carried out. However, in view of the high rise nature of the common noise sensitive buildings in Hong Kong, it is proposed to measure noise levels at low and high levels of receiver positions, instead of a single measurement point, where site conditions allow. As a result, there may be as many as four monitoring points for each structural fin site. Figure 2.8 illustrates the measurement sites for the noise survey of structural fins.

Site visits have been conducted to identify potential fin sites. 2 sites were selected to carry out the noise monitoring, upon confirmation of site suitability and availability after further detailed site visits.

2.3.7 Summary

The analysis approach as stipulated in ISO10847 (Acoustics – *In-situ* determination of insertion loss of outdoor noise barriers of all types) for assessing the *in-situ* determination of insertion loss of outdoor noise mitigation measures was adopted for road barriers, podium barrier and enclosures. Reference is also made to ANSI S12.8-1998 for cases where indirect prediction method was used.

For evaluation of the effectiveness of balconies, pre-noise mitigation measure sound level will be obtained at the position indoor 1 m from the windows where is not affected by the balcony. The insertion loss will then be determined by subtracting post-noise mitigation measure sound level from the pre-noise mitigation measure sound level. The post-noise mitigation measure sound levels will be obtained by the noise measurements conducted at the point indoor at 1m from balcony door.

For evaluation of the effectiveness of architectural fins, pre-noise mitigation measure sound level will be obtained at 1 m façade where it is not affected by the fin. The insertion loss will then be determined by subtracting post-noise mitigation measure sound level from the pre-noise mitigation measure sound level. The post-noise mitigation measure sound levels will be obtained by the noise measurements conducted at 1 m façade where it is protected by the architectural fin.

While the noise measurement was generally carried out following the methodologies and procedures as indicated above, appropriate adjustments in accordance with the standard acoustic practice/method have been made to suit the actual site conditions when conducting the noise measurement.

- Identify the reference and receiver measurement positions with respect to the concerned measurement sites.
- Set up for audio and video recording.
- Carry out the pre-measurement background noise measurement at the identified location.
- Carry out noise measurement at reference and receiver positions simultaneously in the "before" case.
- Carry out noise measurement at reference and receiver positions simultaneously in the "after" case.
- For balconies and architectural fins, carry out noise measurement at the reference (which simulates the "before" situation) and receiver positions simultaneously.
- Carry out the post-measurement background noise measurement at the identified location.
- Record time period and observation throughout the whole noise measurement period.

However, it should be noted that though effort is paid to ensure that the entire measurement complied with that stated in the standard methods, due mainly to the actual conditions of the site at the exact moment when noise measurement was conducted, the noise measurement is still subject to actual in-situ condition to adopt the standard methods.

For cases when an equivalent site is not available, the indirect prediction method as stated in Section 2.3.1 is followed to appraise the effectiveness of the noise mitigation measures in abating road traffic noise in Hong Kong.

3. Discussion of Results

3.1 Residential

A detailed study has been completed to identity a total of 203 measurement sites, which are more or less evenly distributed within each of the regions. Details of locations, results of the surveys and the noise monitoring locations are shown in Appendix A.

Amongst these 203 sites, a total of 40 sites were selected for 24-hour round-the-clock indoor and outdoor monitoring to capture the noise climate of residential premises which located at various locations in Hong Kong. Of the remaining dwellings, a total of 3 sets of noise monitoring were conducted during daytime (0700 to 1900 hours), evening (1900 to 2330 hours) and night time (2330 to 0700 hours) periods.

The 24-hour noise monitoring results as well as discussion are presented in the following sections followed by the presentation of normal monitoring result.

A number of descriptors will be used repeatedly in describing the noise events occurred during various time periods. They are namely, L_D, L_E, L_N, and L_{DEN}.

- L_D is the A-weighted long-term average sound level as defined in ISO 1996-2: 1987, determined over all the day period from 0700 to 1900.
- L_E is the A-weighted long-term average sound level determined over the evening period from 1900 to 2300.
- L_N is the A-weighted long-term average sound level determined over the night period from 2300 to 0700.

L_{DEN} is defined by the following formula:

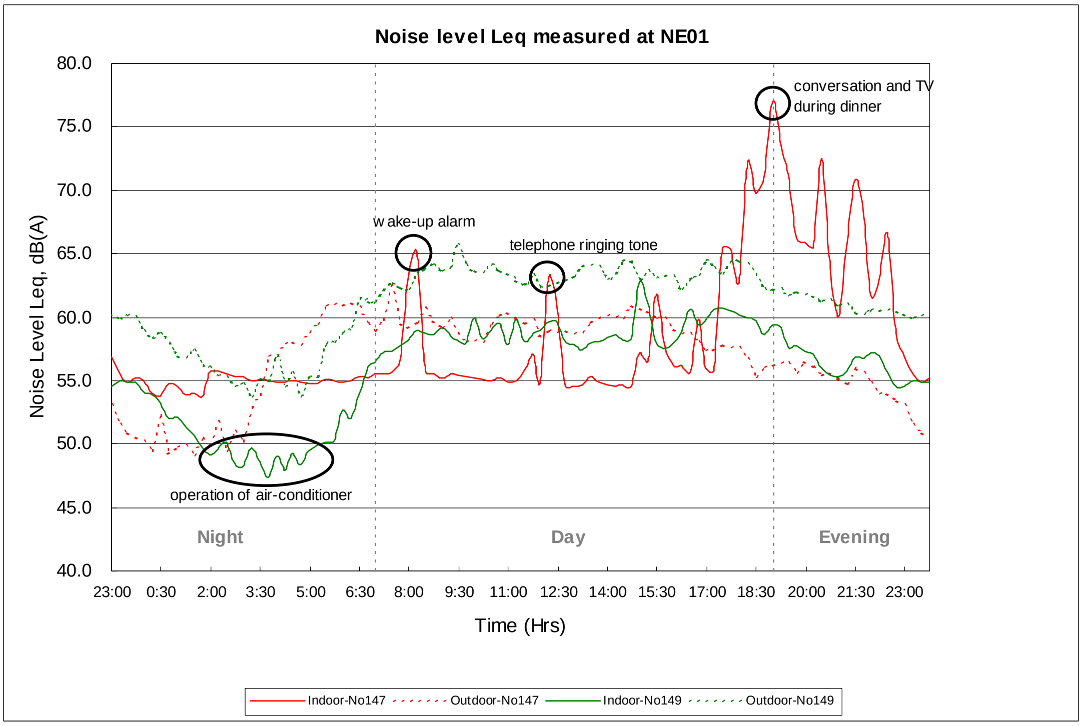
$$Lden = 10\log\frac{1}{24}\left(12*10^{\frac{LD}{10}} + 4*10^{\frac{LE+5}{10}} + 8*10^{\frac{LN+10}{10}}\right)$$

3.1.1 24-Hour Noise Monitoring at Residential Premises

3.1.1.1 24-Hour Noise Monitoring at Residential Premises categorized as NE-01

The 24-hour indoor time history of sample ID 147 is illustrated in Figure 3-1. The noise level at night time was relatively low as anticipated and possessed less indoor noise generating activities as opposed to daytime and evening time. Majority of the noise peaks were identified during meal hours. These peaks were caused by domestic activities which caused an increase in the ambient noise level of more than 10 dB(A). The substantial increase in daytime and evening time noise levels was due to the presence of noise peaks representing events of indoor domestic activities such as TV watching and conversation.

Figure 3-1 24-hour Noise Monitoring for NE-01



24-hr monitoring of Sample ID 147

	Indoor Noise Level, dB(A)
L_D	61.8
L_E	69.7
L_N	55.0

The highest value was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. These activities produced noise of up to 77 dB(A) which dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 49 dB(A) and 63 dB(A) was noted. The indoor noise level was in general higher than the outdoors especially when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to noise sources arising from indoor environmental instead of outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 149

	Indoor Noise Level, dB(A)
L_D	59.0
L_E	57.0
L_N	51.9

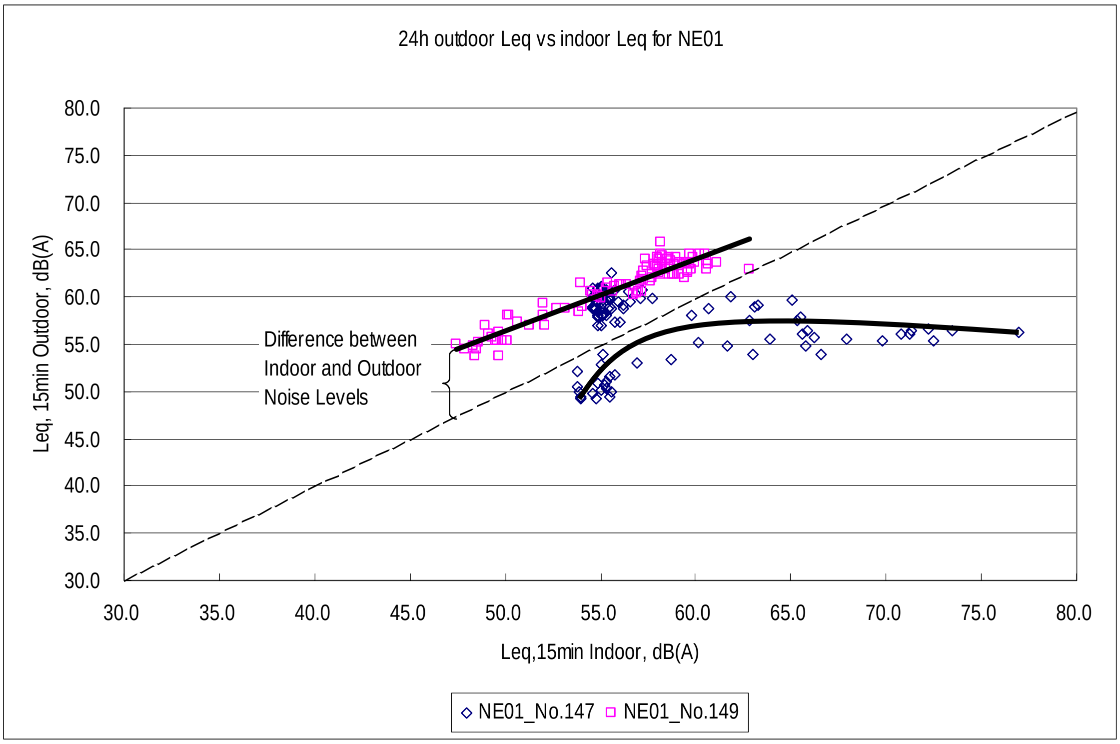
The 24-hour indoor time history of sample ID 149 is depicted in Figure 3-1. The night time noise level was low, as expected, when compared to others recorded during day and evening time. The intensity of the peaks was not as sharp as those noted for sample ID 147 and the noise history was quite steady during daytime. TV watching and gentle conversation were the sources noted for the cause of variation in noise level.

The highest value was L_D in which the nosiest event recorded during daytime was TV watching. This explained the occupants lived in and turned on TV which produced noise of up to 64 dB(A) during day time. These activities, including TV watching and conversation, dominated the overall noise climate. The steady fluctuation of noise level noted at late night was due to the on-and-off operation mode of the air conditioner.

For the purpose of comparison, concurrent outdoor measurement was conducted. As shown in the above figure, the outdoor noise climate was noted to range between 54 dB(A) to 66 dB(A). The indoor noise level was generally lower than that from outdoors with similar pattern of time history, indicating that they might have similar noise characteristics. However, as the indoor noise peak at 1500 did not reflect on the outdoor noise history, the variation of indoor noise was significantly due to indoor noise sources instead of outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-2 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE01



As shown in Figure 3-2, the monitoring results at sample ID 147 revealed that the outdoor noise level was comparatively steady which ranged between 50 dB(A) to 63 dB(A). For the entire monitoring period, the indoor noise level was comparatively higher than that of the outdoors. The difference between indoor and outdoor noise levels was noted to reach its minimum value of 2 dB(A) at about 0330 when occupants fell asleep. The trend line reflected that the indoor noise levels were dominated by indoor activities and the fluctuation of the indoor noise levels were depended on the kinds of indoor activities conducted at a particular moment. While indoor activities were spotted without much variation in outdoor noise environment, difference between indoor and outdoor noise levels increased significantly from 2 to 20 dB(A).

Similarly, the monitoring results at sample ID149 reflected that there was a positive linear relationship between the indoor and outdoor noise levels. During the entire monitoring period, the outdoor noise level was comparatively higher than that of the indoors by 4 to 8 dB(A). The possession of similar noise characteristics might explain the similarity observed between the indoor- and outdoor time history of sample ID 149 as well as the steadiness of indoor-outdoor noise difference as shown above.

3.1.1.2 24-Hour Noise Monitoring at Residential Premises categorized as NE-02

Noise level arising from common noise generating activities is presented below.

Figure 3-3 24-hour Noise Monitoring for NE-02

24-hr monitoring of Sample ID 154

	Indoor Noise Level, dB(A)
L_D	49.2
L_E	51.8
L_N	46.3

The 24-hour indoor time history of sample ID 154 is depicted in Figure 3-3. The noise level during night time was low as anticipated compared to that recorded during day and evening time. Majority of the noise peaks were noted during meal hours. These peaks were caused by indoor activities which led to an increase in the ambient noise level of more than 8 dB(A). A mild increase in daytime and evening time noise levels was due to the presence of noise peaks representing domestic events such as TV watching and gentle conversation.

L_E is noted to have the highest value and the nosiest combined event noted was TV watching and conversation. This illustrated the presence of the occupants and indoor activities which produced noise of up to 58 dB(A) during day time. Due mainly to the living pattern of the occupant, indoor noise climate of sample ID 154 was generally low compared to others.

For the purpose of comparison, concurrent outdoor measurement was conducted. As shown in the above figure, less peaky variation in outdoor noise climate which ranged between 54 dB(A) to 69 dB(A) was noted. The shape of the outdoor time history of sample ID 154 is similar to that of simple ID 192, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoors and it was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise.

This reflected that the variation of indoor noise level was significantly due to domestic noise sources instead of outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 192

	Indoor Noise Level, dB(A)
L_D	55.2
L_E	52.9
L_N	48.4

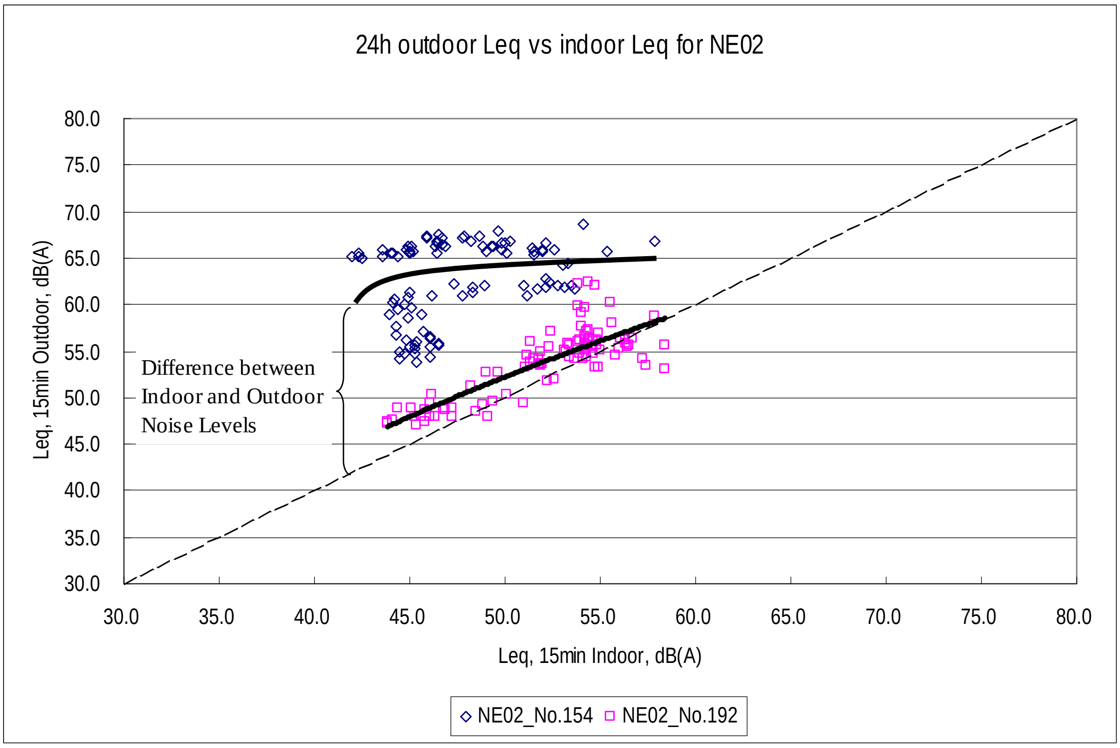
The 24-hour indoor time history of sample ID 192 is illustrated in Figure 3-3. The noise level during night time was low, as anticipated, compared to that recorded during day and evening time. The intensity of the peaks was not as sharp as those noted for sample ID 154 and they appeared constantly throughout the daytime as TV was continuously on during the day.

The highest level was L_D in which the nosiest combined event was TV watching and gentle conversation. Such combined event produced noise of up to 58 dB(A) and dominated the overall noise climate during daytime. Similar to sample ID 154, due mainly to the variation of living habits, noise level recorded at sample ID 154 was generally low compared to others.

For the purpose of comparison, concurrent outdoor measurement was conducted. As shown in the above figure, the outdoor noise climate was noted to range between 48 dB(A) to 63 dB(A). The indoor noise level was comparable to the outdoors with similar pattern of time history, indicating that they might have similar noise characteristics. However, as the outdoor noise peak at 1300 did not reflect on the indoor noise history, the variation of indoor noise level was mainly due to indoor noise sources instead of outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-4 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE02



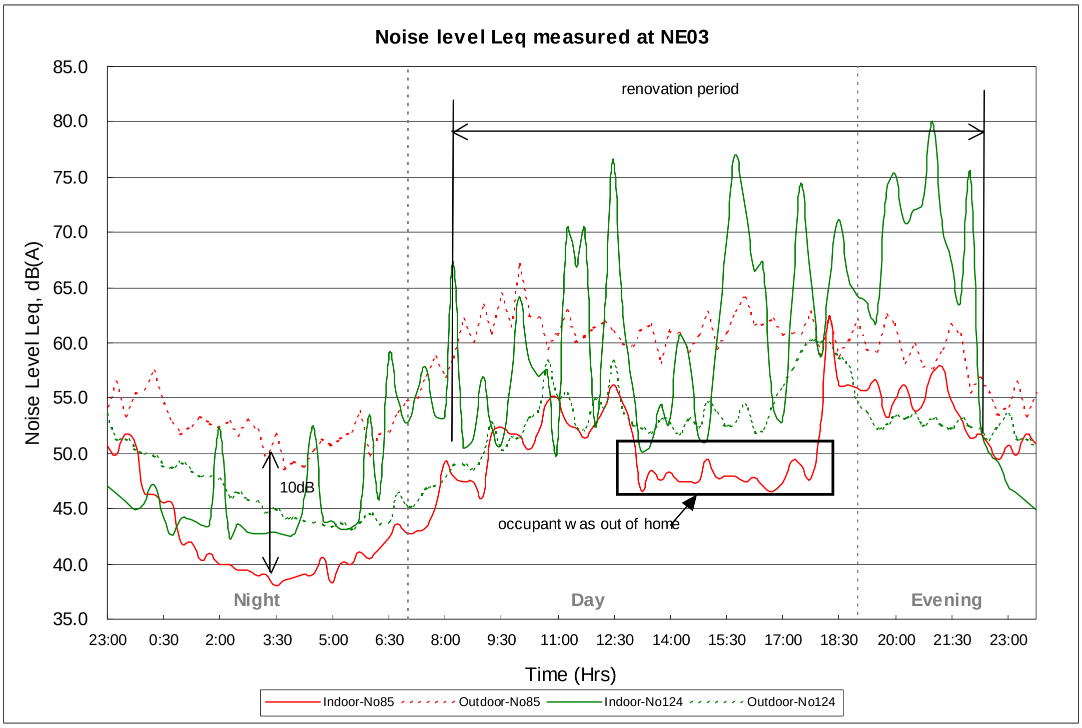
As illustrated in Figure 3-4, a fairly linear relationship was noted between the indoor and outdoor noise level and sample ID 154 experienced a noise climate that the outdoor noise environment was generally higher than that of the indoor. By noticing that domestic activities did not give rise to substantial increase in indoor noise level, the dominant effect could not be easily determined in this case. The difference between indoor and outdoor noise levels was noted to reach its minimum at about 1730. It was also the exact moment when the highest indoor noise peak of 58 dB(A) was recorded. This implied that the noise level difference between indoor and outdoor changed over the day and might not necessarily happen during a particular moment.

The noise monitoring data for sample ID 192 demonstrated a better fit to the linear relationship between indoor and outdoor noise level. It was noted that the more the data points follow a linear pattern, the more similar the time history between the indoor and outdoor noise levels. Furthermore, as revealed by the above figure, both sample Ids 154 and 192 experienced similar level of indoor noise at a range between 43 dB(A) to 57 dB(A) while the outdoor noise level at sample ID 154 was relatively higher. The minimum indoor and outdoor noise difference was noted in this case to occur at 0830 hours when indoor noise reached the same level as outdoors.

3.1.1.3 24-Hour Noise Monitoring at Residential Premises categorized as NE-03

Noise level arising from common noise generating activities is presented below.

Figure 3-5 24-hour Noise Monitoring for NE-03



24-hr monitoring of Sample ID 85

	Indoor Noise Level, dB(A)
L_D	52.0
L_E	54.8
L_N	44.5

The 24-hour indoor time history of sample ID 85 is depicted in Figure 3-5. The noise level at night time was low as expected when compared to that recorded during day and evening time. Majority of the noise peaks were noted during meal hours. These peaks were caused by indoor activities which led to an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of noise peaks representing domestic activities such as TV watching and gentle conversation.

L_E possessed the highest value of 54.8 dB(A) in which the nosiest combined event noted in the evening was TV watching and conversation. The presence of occupants and indoor activities produced noise of up to 63 dB(A) during day time which dominated the overall noise climate. In the absence of indoor noise activities between 1300 to 1750 hours, the noise level stayed steadily at approximately 48 dB(A).

For the purpose of comparison, concurrent outdoor measurement was conducted. As shown in the above figure, the outdoor noise climate was recorded to range between 48 dB(A) to 67 dB(A). The indoor noise level was generally lower than the outdoors with similar noise pattern, indicating that they might have similar noise characteristics. However, as the indoor noise at 1800 did not reflect on the outdoor noise level history, the variation of indoor noise was significantly due to indoor noise sources instead of outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 124

	Indoor Noise Level, dB(A)
L_D	66.9
L_E	72.2
L_N	48.8

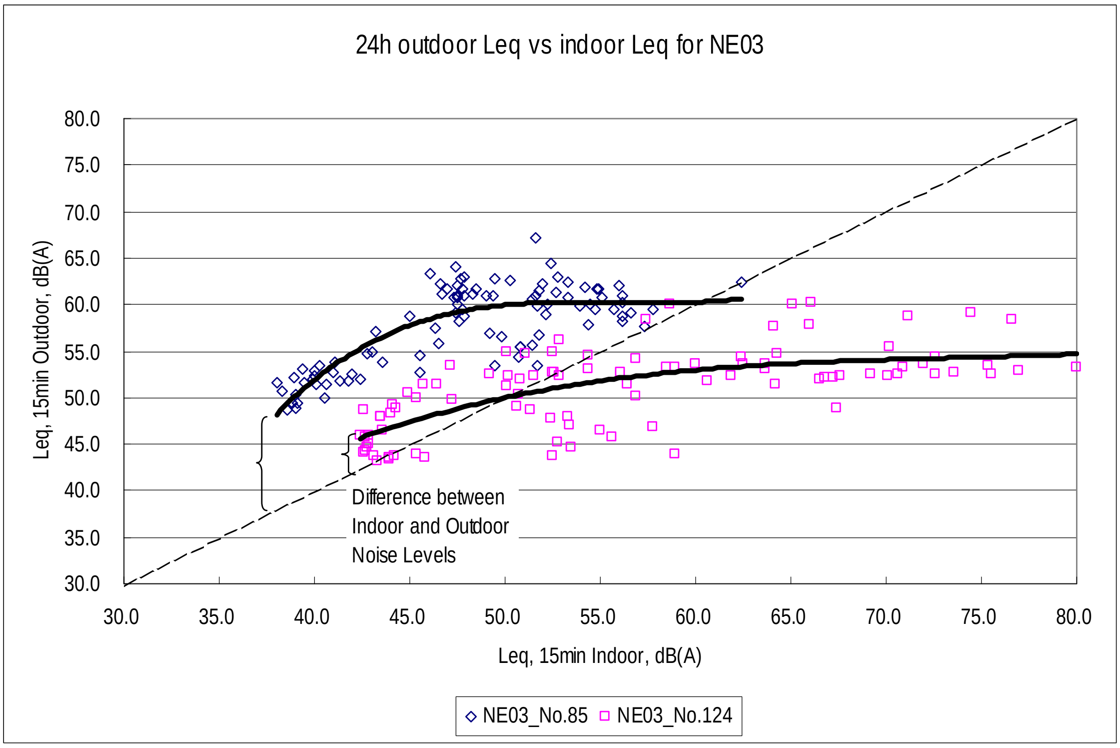
The 24-hour indoor time history of sample ID 124 is illustrated in Figure 3-5. The noise level at night time was relatively low as anticipated and possessed less indoor noise generating activities as opposed to daytime and evening time. Majority of the noise peaks were identified during daytime when in-house renovation works was taking place. Such indoor works boosted the ambient noise level by more than 20 dB(A). A substantial increase in the noise levels of evening time was due to the presence of domestic activities such as TV watching and conversation.

The highest value of 72.2 dB(A) was noted for L_E in which the nosiest combined event noted in the evening was TV watching and conversation. These activities produced noise of up to 80 dB(A) which dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 43 dB(A) and 60 dB(A) was noted. The indoor noise level was generally higher than the outdoors especially when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-6 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE03



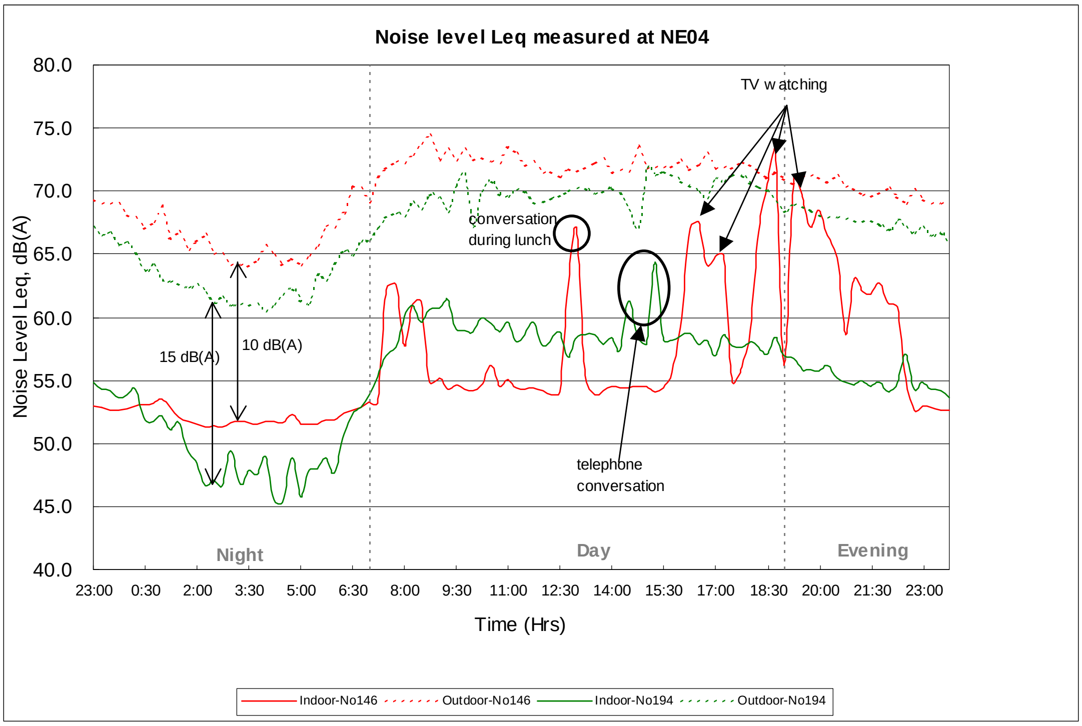
As shown in Figure 3-6, the noise monitoring result for sample ID 85 gave similar finding as that for sample ID 124. A positive linear relationship was noted between the indoor and outdoor noise level at low indoor noise regime of less than 47 dB(A). However, a more flatten trend line was observed later by increasing the indoor noise further to 63 dB(A). This implied that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. Furthermore, sample ID 85 experienced a higher outdoor noise climate that the indoors. Difference between the indoor and outdoor noise levels reached its minimum value at 1630 hours when an indoor noise peak was spotted.

The above figure also illustrated that sample ID 124 experienced a wide range of indoor noise level from 43 dB(A) to 80 dB(A) while the majority of the outdoor noise level was noted to range between 43 dB(A) to 55 dB(A). In other words, sample ID 124 was immersed in an environment where its indoor noise level was much higher than that of the outdoors. The drop in gradient of trend line indicated that the indoor noise climate was significantly contributed by domestic activities rather than outdoor noise level. Difference between the indoor and outdoor noise levels reached its minimum at 2230 hours, right after the renovation works stopped.

3.1.1.4 *24-Hour Noise Monitoring at Residential Premises categorized as NE-04*

Noise level arising from common noise generating activities is presented below.

Figure 3-7 24-hour Noise Monitoring for NE-04



24-hr monitoring of Sample ID 146

	Indoor Noise Level, dB(A)
L_D	62.2
L_E	65.2
L_N	52.2

The 24-hour indoor time history of sample ID 146 is depicted in Figure 3-7. Noise levels at night time was much lower than that measured during daytime and evening time. Majority of the noise peaks were identified during meal hours. These peaks denoted the occurrence of noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in noise levels of daytime and evening time was due to the presence of domestic activities such as TV watching and conversation.

The highest value of 65.2 dB(A) was noted for L_E in which the nosiest event in the evening was TV watching. This explained the occupants lived in and turned on TV which produced noise of up to 74 dB(A) during a particular time period of the day. These activities, including TV watching and conversation, dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was also conducted. From that, less peaky variation in outdoor noise climate which ranged between 64 dB(A) and 74 dB(A) was noted. The shape of the outdoor time history of sample ID 146 is similar to that of sample ID 194, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoors and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 194

	Indoor Noise Level, dB(A)
L_D	58.9
L_E	55.5
L_N	50.8

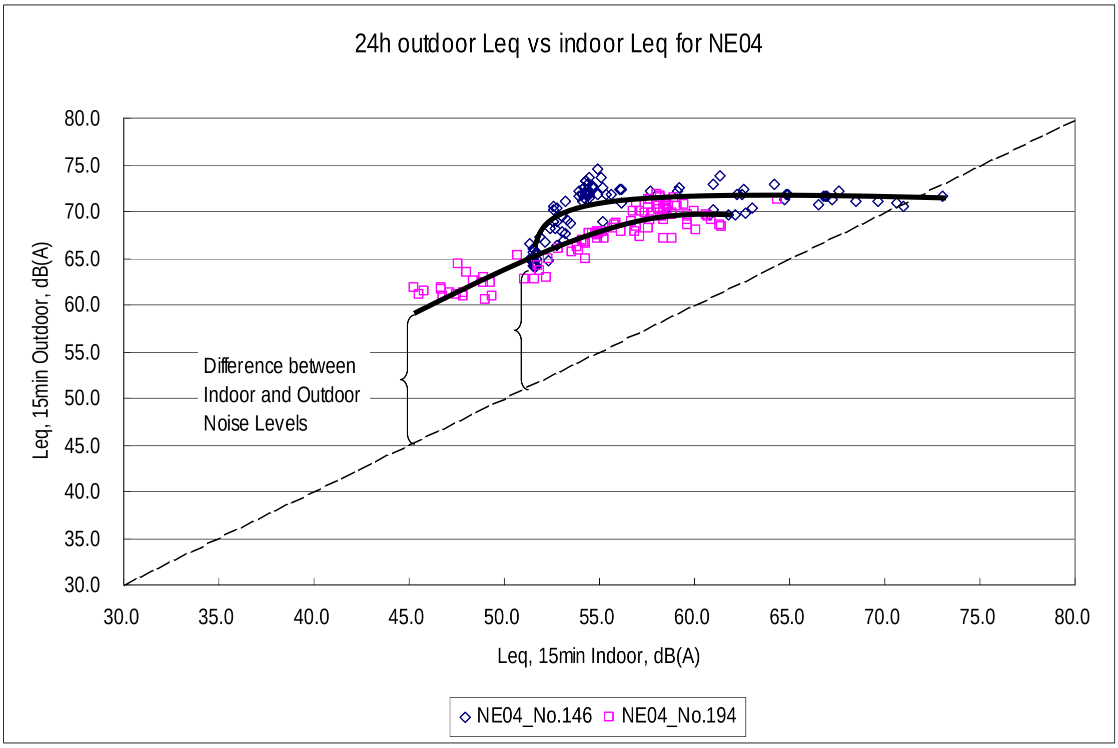
The 24-hour indoor time history of sample ID 194 is depicted in Figure 3-7. Similarly to previous findings, night time noise level was much lower than that recorded during day and evening time which showed the lack of noise generating activities. The intensity of the peaks was not as sharp as those noted for sample ID 146 and they appeared constantly throughout the daytime as TV was continuously on throughout daytime. An occasional telephone conversation caused an increased in the ambient noise level by approximately 5 dB(A).

The highest value of 58.9 dB(A) was noted for L_D in which the nosiest event was telephone conversation with TV watching. The combined event of TV watching and telephone conversation produced noise of up to 65 dB(A) which dominated the overall noise climate during daytime.

For the purpose of comparison, concurrent outdoor measurement was conducted. Similar to sample ID 146, less peaky variation in outdoor noise climate which ranged between 61 dB(A) to 72 dB(A) was noted. The shape of the outdoor time history of sample ID 194 is similar to that of sample ID 146, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoors and was considerably dominated by indoor noise sources when domestic activities were spotted.

Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors. Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-8 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE04



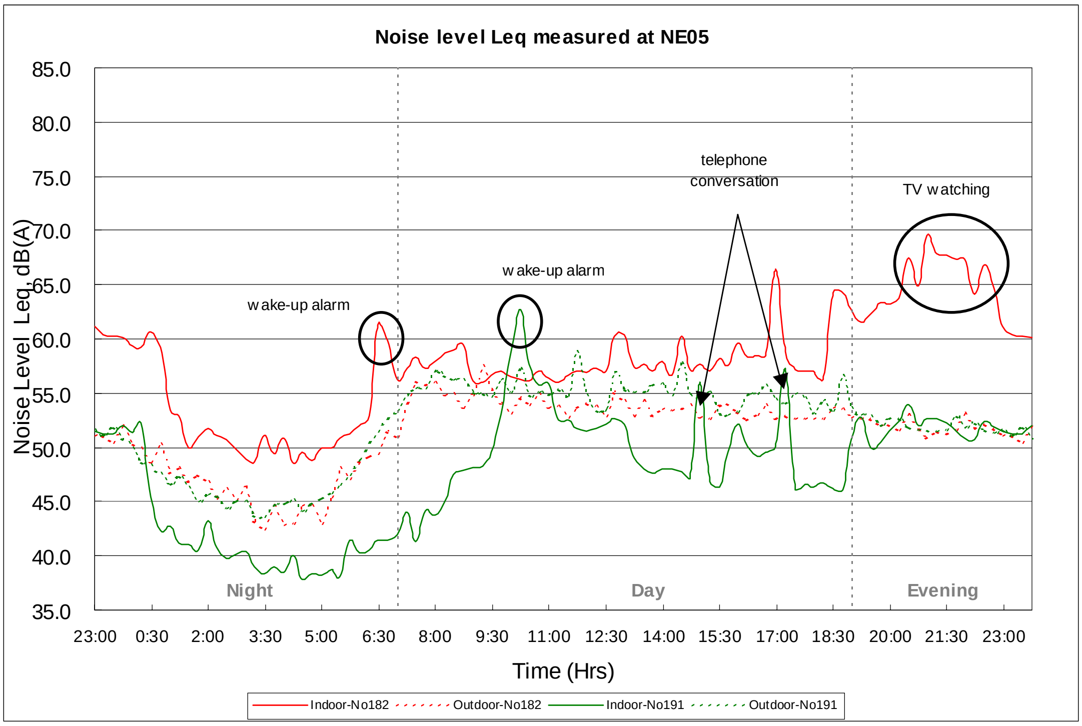
As shown in Figure 3-8, the monitoring results of sample ID146 depicted the linear correlation between the indoor and outdoor noise levels. The rate of change of indoor noise levels decreases when outdoor noise level reaches beyond 70 dB(A) and a flatten trend line is thus resulted. Sample ID 146 experienced a noise climate that the outdoor noise environment was generally higher than that of the indoors throughout the entire monitoring period. The minimum difference between the indoor-outdoor noise levels was spotted at 1830 hours when TV was on. The sharp noise peak arising from watching TV alone narrowed the gap between the indoor and outdoor noise level difference.

Similar observation was noted for sample ID 194. The indoor and outdoor noise level possessed a positive linear correlation at low noise level (below 70 dB(A)). However, when outdoor noise level became steady at 70 dB(A), a flatten trend line was also observed as for sample ID 146. A horizontal trend line indicates the indoor noise climate was significantly contributed by domestic activities instead of outdoors. The minimum difference between indoor-outdoor noise levels was noted respectively at 0900 and 1530 hours when domestic activities such as telephone conversation were spotted. In general, the indoor-outdoor noise level difference was determined to range between 8 – 14 dB(A) throughout the entire monitoring period.

3.1.1.5 24-Hour Noise Monitoring at Residential Premises categorized as NE-05

Noise level arising from common noise generating activities is presented below.

Figure 3-9 24-hour Noise Monitoring for NE-05



24-hr monitoring of Sample ID 182

	Indoor Noise Level, dB(A)
L_D	58.8
L_E	65.9
L_N	56.1

The 24-hour indoor time history of sample ID 182 is illustrated in Figure 3-9. The noise level at night time was relatively low as anticipated and possessed less indoor noise generating activities as opposed to daytime and evening time. Majority of the noise peaks were identified during meal hours. These peaks were caused by domestic activities which caused an increase in the ambient noise level of more than 8 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor domestic activities such as TV watching.

The highest level of 65.9 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained that occupants lived in and turned on TV producing noise of to 70 dB(A) during evening which dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 43 dB(A) and 58 dB(A) was noted. The shape of the outdoor time history of sample ID 182 is similar to that of sample ID 191, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general higher than the outdoors especially when domestic activities were spotted. Under such circumstances, the indoor noise did not follow that pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 191

	Indoor Noise Level, dB(A)
L_D	52.4
L_E	51.9
L_N	45.7

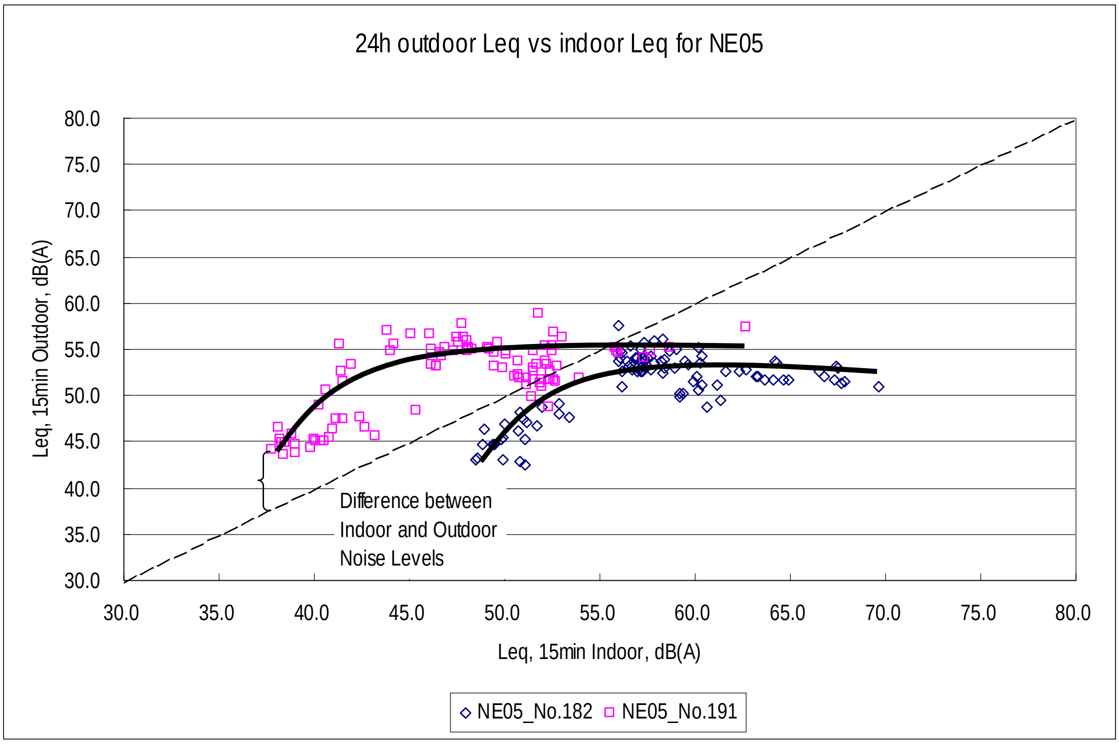
The 24-hour indoor time history of sample ID 191 is illustrated in Figure 3-9. The noise level at night time was relatively low as anticipated and possessed less indoor noise generating activities as opposed to daytime and evening time. A number of peaks were noted in daytime period indicated the presence of indoor noise generating activities. These domestic activities including telephone conversation and TV watching which caused an increase in the ambient noise level of more than 15 dB(A).

The highest level of 52.4 dB(A) was noted for L_D in which the nosiest combined event in the day was TV watching and conversation. These activities produced noise of up to 58 dB(A) which dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 38 dB(A) and 58 dB(A) was noted. The shape of the outdoor time history of sample ID 191 is similar to that of sample ID 182, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoors except when domestic activities were spotted. Under such circumstances, the indoor noise did not follow that pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-10 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE05



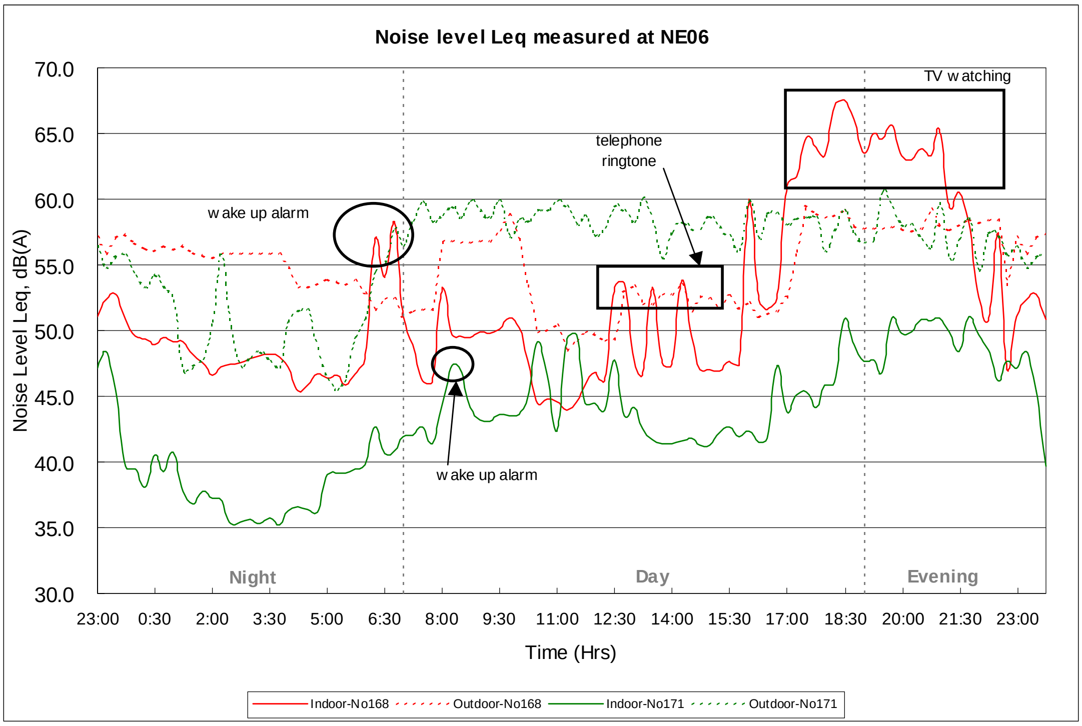
As shown in Figure 3-10, the indoor-outdoor noise levels of sample ID 182 possesses a positive linear correlation at low noise level. However, a flatten trend line was resulted when the outdoor noise level reached 54 dB(A) which implied that the indoor noise level was significantly contributed by domestic activities instead of outdoors. In view of the data points scattered below the dotted line, sample ID 182 was noted to immerse in an environment where indoor noise level was much higher than that of the outdoors. The minimum difference noted between the indoor and outdoor noise levels was noted to occur at 0800 hours when domestic activities were spotted.

A similar observation was noted for sample ID 191 compared to that of sample ID 182. A positive linear correlation was noted when the indoor noise level was less than 45 dB(A). The increase in indoor noise level decreases the gradient of the trend line and eventually a horizontal line was resulted. This implied that the indoor noise level was significantly contributed by domestic activities instead of outdoors. The minimum difference between the indoor and outdoor noise levels was noted to happen at 2300, 0020, 0930, 1100, 1430, 1700, 2000, 2130, and 2200 hours when noise peaks from domestic activities intersected with outdoors.

3.1.1.6 24-Hour Noise Monitoring at Residential Premises categorized as NE-06

Noise level arising from common noise generating activities is presented below.

Figure 3-11 24-hour Noise Monitoring for NE-06



24-hr monitoring of Sample ID 168

	Indoor Noise Level, dB(A)
L_D	57.9
L_E	62.4
L_N	50.4

The 24-hour indoor time history of sample ID 168 is depicted in Figure 3-11. The noise level recorded at night time was relatively low as expected and had less indoor activities as opposed to daytime and evening time. Majority of the noise peaks were identified during meal hours. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of peaks of noise representing events of indoor domestic activities such as TV watching and conversation.

The highest level of 62.4 dB(A) was determined for L_E in which the nosiest event in the evening was TV watching. This explained the occupants lived in and turned on TV which produced noise of up to 68 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 48 dB(A) and 60 dB(A) was noted. The indoor noise level was in general lower than the outdoor, except when domestic activities were spotted, and was considerably dominated by indoor noise sources. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 171

	Indoor Noise Level, dB(A)
L_D	45.1
L_E	49.5
L_N	40.5

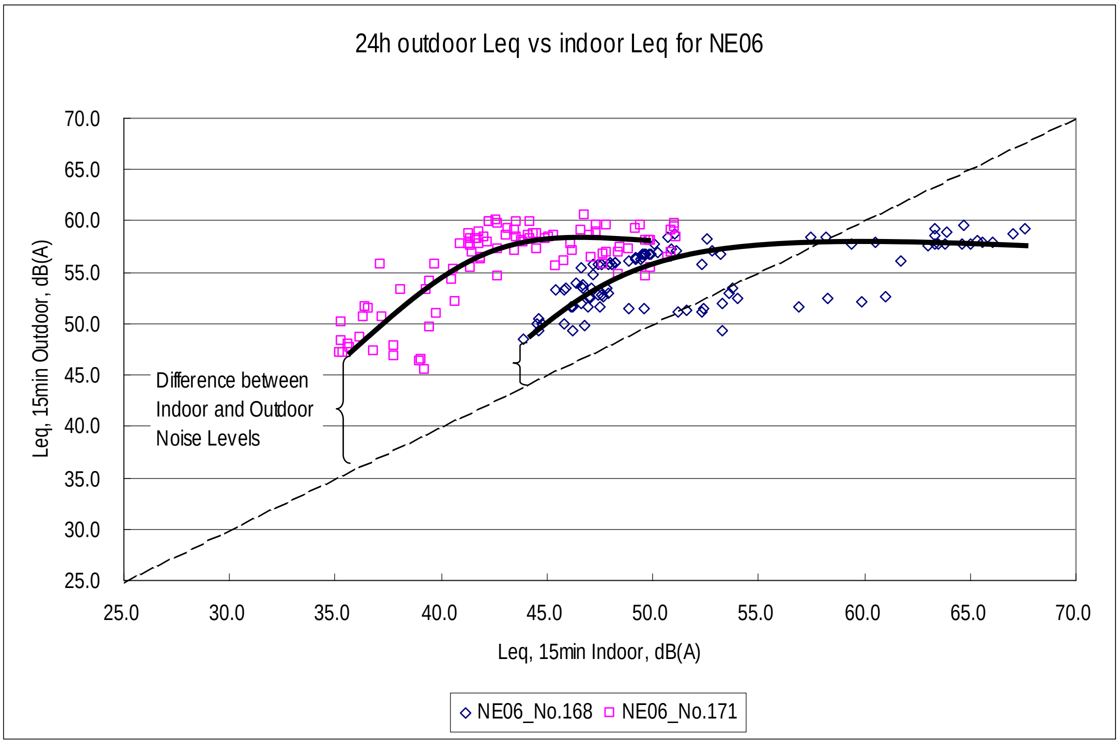
The 24-hour indoor time history of sample ID 171 is depicted in Figure 3-11. The noise level at night time was relatively low when compared to that recorded during day and evening time. In general, noise peaks appeared throughout the entire monitoring period were not as sharp as those noted for sample ID 168. A number of peaks at various time period of the day were caused by indoor activities which led to an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of noise peaks representing indoor domestic activities such as listening to music and gentle conversation.

The highest level of 49.5 dB(A) was noted for L_E in which the nosiest event in the evening was listening to music. This explained the occupants lived in and turned on the audio system which produced noise of up to 52 dB(A) at evening time. These activities, including listening to music and conversation, dominated the overall noise climate. Due mainly to the living pattern of the occupant, a generally low indoor noise climate was recorded for sample ID 171 compared to others.

For the purpose of comparison, concurrent outdoor measurement was conducted. As shown in the above figure, the outdoor noise climate was noted to range between 46 dB(A) to 60 dB(A). The indoor noise level was generally lower than the outdoors with similar pattern of time history, indicating that they might have similar noise characteristics. However, as the outdoor noise peak at 0230 did not reflect on the indoor noise history, it showed that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-12 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE06



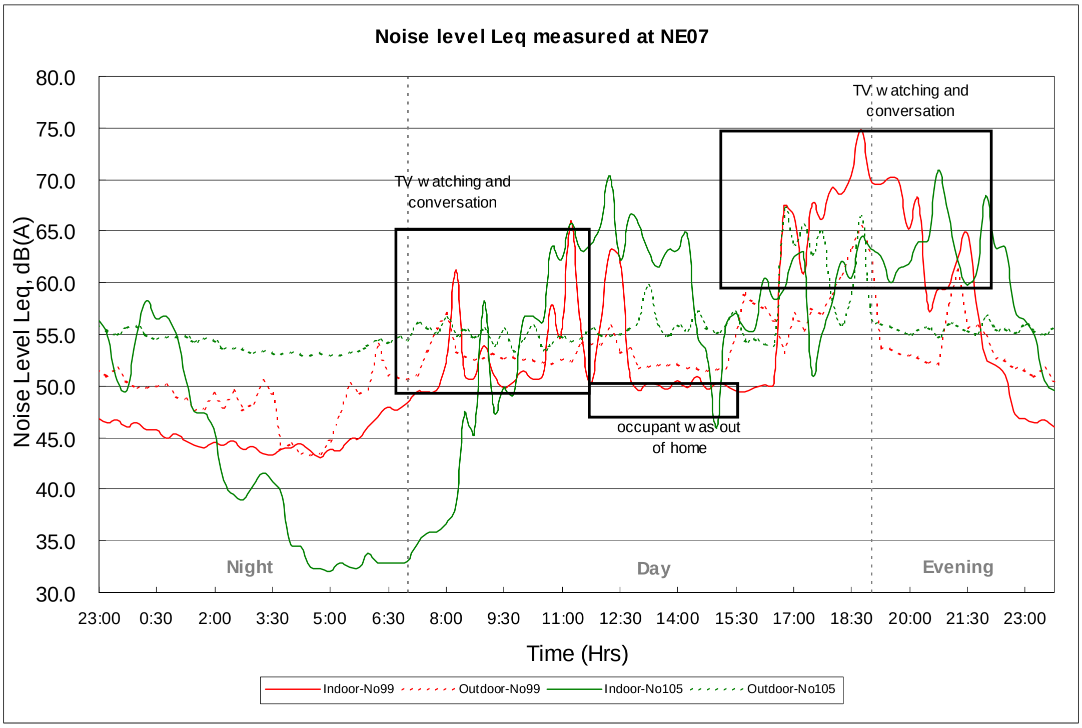
As shown in Figure 3-12, the indoor noise level of sample ID 168 was highly fluctuated from 45 dB(A) to 68 dB(A). Such variation of the indoor noise level might mainly contribute by indoor activities. Figure 3-12 also illustrated that the outdoor noise level possessed a maximum value of 59 dB(A). A positive linear correlation between the indoor and outdoor noise level was noted when indoor noise was less than 50 dB(A). The gradient of the trend line gradually decreased by increasing the indoor noise level, which implied the indoor noise climate was significantly contributed by domestic activities instead of outdoors. Difference between the indoor-outdoor noise levels reached its minimum at 2130 hours when noise peak arising from TV watching intersects with the outdoor noise level.

As illustrated in the above figure, the indoor noise value obtained for sample ID 171 was noted to range between 35 dB(A) to 50 dB(A). A positive linear correlation was noted between the indoor and outdoor noise level at the low indoor noise regime of 43 dB(A) or below. By increasing the indoor noise level, the gradient of the trend line decreased gradually and thus showing the independency of outdoor noise level. This implied that the indoor noise climate was significantly contributed by domestic activities rather than outdoor noise. Under the monitoring conditions, sample ID 171 was observed to immerse in an environment where indoor noise level was much higher than that of the outdoors. The minimum value of the noise level difference between the indoor and outdoor environment was noted to occur at 1830, 2100, and 2130 hours when there were indoor noise activities.

3.1.1.7 24-Hour Noise Monitoring at Residential Premises categorized as NE-07

Noise level arising from common noise generating activities is presented below.

Figure 3-13 24-hour Noise Monitoring for NE-07



24-hr monitoring of Sample ID 99

	Indoor Noise Level, dB(A)
L_D	62.8
L_E	65.5
L_N	45.2

The 24-hour indoor time history of sample ID 99 is depicted in Figure 3-13. As for many cases in this Study, the noise level measured at night time was relatively low as anticipated and had less indoor noise generating activities as opposed to daytime and evening time. Majority of the noise peaks were identified during meal hours. These peaks were led by domestic activities which caused an increase in the ambient noise level of more than 8 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of noise peaks arising from domestic activities such as TV watching and conversation.

The highest level of 65.5 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 75 dB(A) during evening. These activities, including TV watching and conversation, dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 43 dB(A) and 65 dB(A) was noted. The indoor noise level was in general lower than the outdoor, except when indoor noise activities were spotted, and was considerably dominated by indoor noise sources. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 105

	Indoor Noise Level, dB(A)
L_D	61.3
L_E	64.6
L_N	50.4

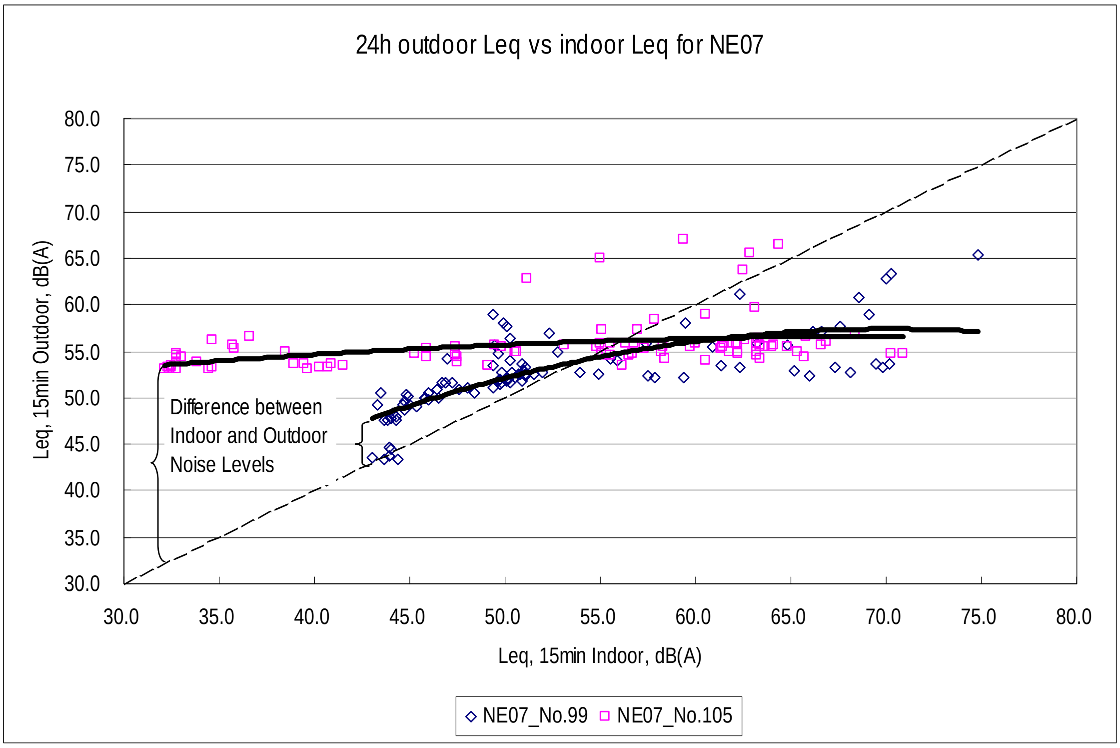
The 24-hour indoor time history of sample ID 105 is depicted in Figure 3-13. In general, the measured noise level at night time was relatively low due to less indoor activities as opposed to daytime and evening time. A number of noise peaks were found throughout the day and evening periods. These peaks represent the presence of noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence indoor activities such as TV watching and conversation.

The highest level of 64.6 dB(A) was noted for L_E in which the nosiest event in the evening was TV watching. This explained the occupants lived in and turned on TV which produced noise of up to 70 dB(A) during both day and evening. These activities, including TV watching and conversation, dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. As shown in the above figure, the outdoor noise climate was noted to range between 53 dB(A) to 68 dB(A). The indoor noise level was in general lower than the outdoor, except when domestic activities were spotted, and was considerably dominated by indoor noise. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-14 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE07



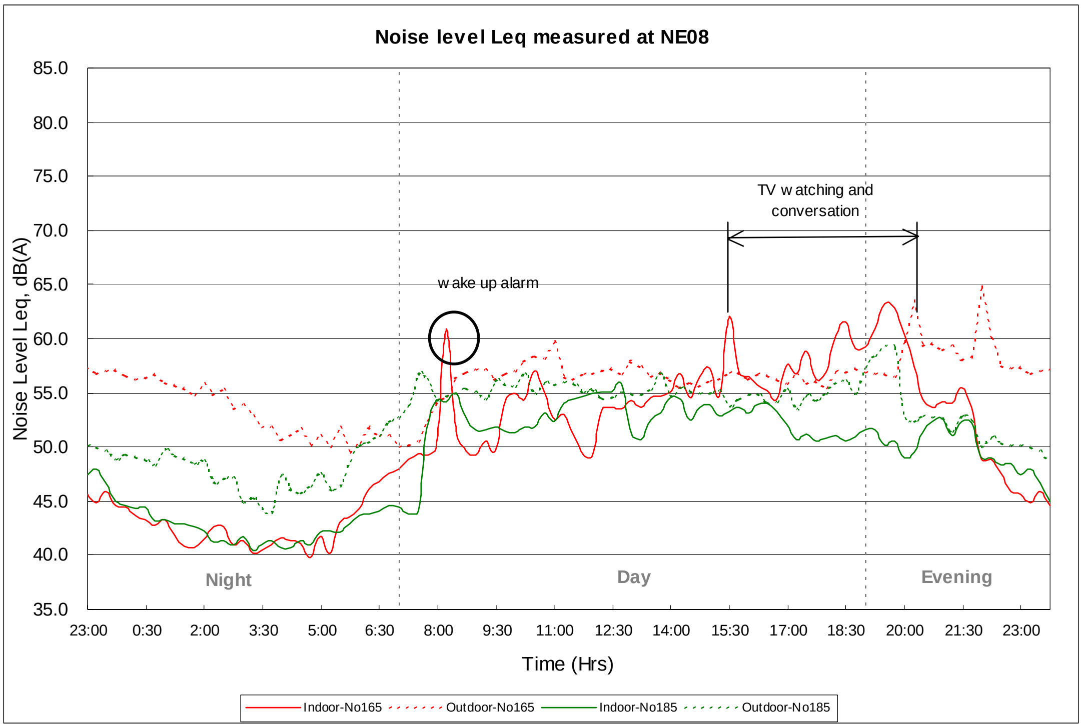
The indoor noise level of sample ID 99 was highly fluctuated from 43 dB(A) to 75 dB(A) while the outdoor noise was noted to range between 43 dB(A) to 65 dB(A). A gradual drop of gradient of the trend line indicated that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. The overall noise environment at sample ID 99 was dominated neither by indoor noise nor outdoor noise level as all the sampling points scattered evenly to the left- and right-hand portion of the dotted line. Where the trend line and dotted line intersected, the difference between the indoor and outdoor noise levels reached its minimum and this was noted to occur at 1130 and 1200 hours.

Figure 3-14 showed the correlation of indoor and outdoor noise level of noise sample ID 105. A wide range of indoor noise level, from 33 dB(A) to 70 dB(A), was noted while most the outdoor noise level was noted to range between 53 dB(A) to 60 dB(A). A flat linear correlation between the indoor and outdoor noise level implied that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. Similar to the findings for sample ID 99, neither the indoor nor the outdoor noise level dominated the overall noise environment of sample ID 105. Instead, the indoor noise level fluctuates with the presence of domestic activities which gives rise to the scattered pattern as noted above. The minimal difference between the indoor and outdoor noise level was noted at 0900, 1000, 1430, and 2300 hours when noise peaks arising from indoor activities intersect with the outdoors.

3.1.1.8 24-Hour Noise Monitoring at Residential Premises categorized as NE-08

Noise levels arising from common noise generating activities are presented as follows.

Figure 3-15 24-hour Noise Monitoring for NE-08



24-hr monitoring of Sample ID 165

	Indoor Noise Level, dB(A)
L_D	55.8
L_E	57.8
L_N	43.3

The 24-hour indoor time history of sample ID 165 is depicted in Figure 3-15. The measured noise level at night time was relatively low as anticipated and less indoor noise activities as opposed to daytime and evening time was observed. Majority of the noise peaks were identified during meal hours. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of peaks of noise representing events of indoor domestic activities such as TV watching and conversation.

The highest value of 57.8 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 64 dB(A) in the evening. These activities, including TV watching and conversation, dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 50 dB(A) and 65 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 185

	Indoor Noise Level, dB(A)
L_D	52.8
L_E	50.8
L_N	43.4

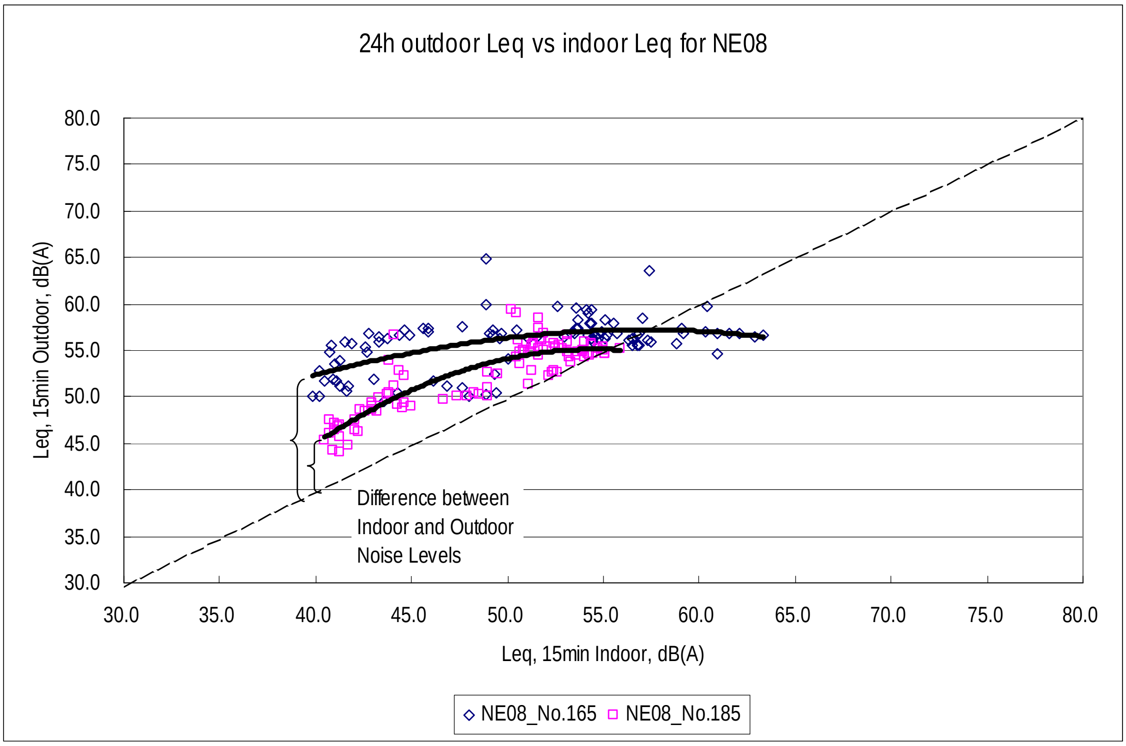
The 24-hour indoor time history of sample ID 185 is depicted in Figure 3-15. As previously, noise level at night time was relatively low due to less indoor noise activities as opposed to daytime and evening time. A number of noise peaks were found throughout the day and evening periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of approximately 5 dB(A). A gradual increase in noise levels of daytime and evening time was due to the presence noise peaks representing domestic activities such as conversation and reading.

The highest level of 52.8 dB(A) was noted for L_D in which the nosiest event in the day was gentle conversation. This explained the comparatively quite and steady indoor climate observed for sample ID 185 where the indoor noise level was noted to maintain steadily at 55 dB(A).

For the purpose of comparison, concurrent outdoor measurement was conducted. As shown in the above figures, the outdoor noise climate was noted to range between 44 dB(A) and 59 dB(A). The shape of the outdoor time history is similar to that of the indoor, indicating that both sites possessed similar outdoor noise characteristics. As the outdoor noise peak at 0730 did not reflect on the indoor noise history, the variation of indoor noise was significantly due to indoor noise sources instead of outdoors. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-16 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE08



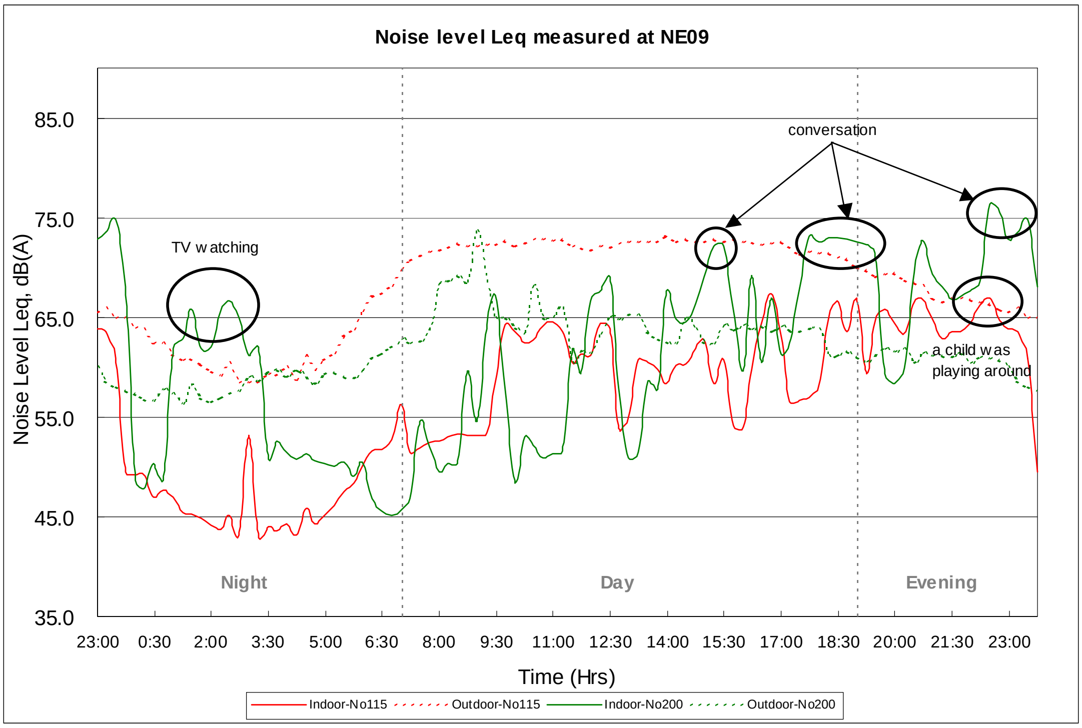
The indoor noise level of the sample ID 165 was fluctuated within the range from 40 to 65 dB(A). A positive correlation was noted between the indoor and outdoor noise level. The presence of domestic activities increased the indoor noise level up to 65 dB(A) while the outdoor noise level stayed relatively constant at approximately 58 dB(A), thus flattening the shape of the trend line. The shape of the trend line implied the indoor noise level was significantly contributed by domestic activities instead of outdoors. During the entire monitoring period, the outdoor noise level of sample ID 165 was significantly higher than that of the indoors. There were a number of occasions at approximately 0830, 1400, 1500, 1800 and 2000 hours when indoor noise peaks intersect with outdoor noise level and thus giving the minimum difference between the indoor-outdoor noise levels.

The outdoor noise level of the sample ID 185 was quite steady which ranged between 45 and 55 dB(A). Such variation of the outdoor noise level was mainly caused by the background noise of the outdoor environment. Figure 3-16 illustrated that the indoor noise level was highly fluctuated between 40 and 55 dB(A). Such wide range of indoor noise level reflected that the indoor noise activities dominated the indoor noise level. Furthermore, the outdoor noise environment of sample ID 165 was obviously higher than the indoor levels and the minimum indoor-outdoor noise levels differences were noted to occur at 0800, 1200, 1400, 1530, 1630, 2030 and 2130 hours respectively in the presence of indoor noise peaks.

3.1.1.9 24-Hour Noise Monitoring at Residential Premises categorized as NE-09

Noise level arising from common noise generating activities is presented below.

Figure 3-17 24-hour Noise Monitoring for NE-09



24-hr monitoring of Sample ID 115

	Indoor Noise Level, dB(A)
L_D	61.2
L_E	65.0
L_N	53.8

The 24-hour indoor time history of sample ID 115 is depicted in Figure 3-17. Noise level recorded at night time was relatively low and less indoor noise activities were spotted as opposed to daytime and evening time. A number of noise peaks were found throughout the day and evening periods. These peaks illustrated the presence of noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of noise representing events such as TV watching, conversation and a playing child.

The highest level of 65.0 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation in the presence of a playful child. This explained the why noise peaks of up to 67 dB(A) were spotted during both day and evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 59 dB(A) and 73 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 200

	Indoor Noise Level, dB(A)
L_D	66.5
L_E	70.8
L_N	65.2

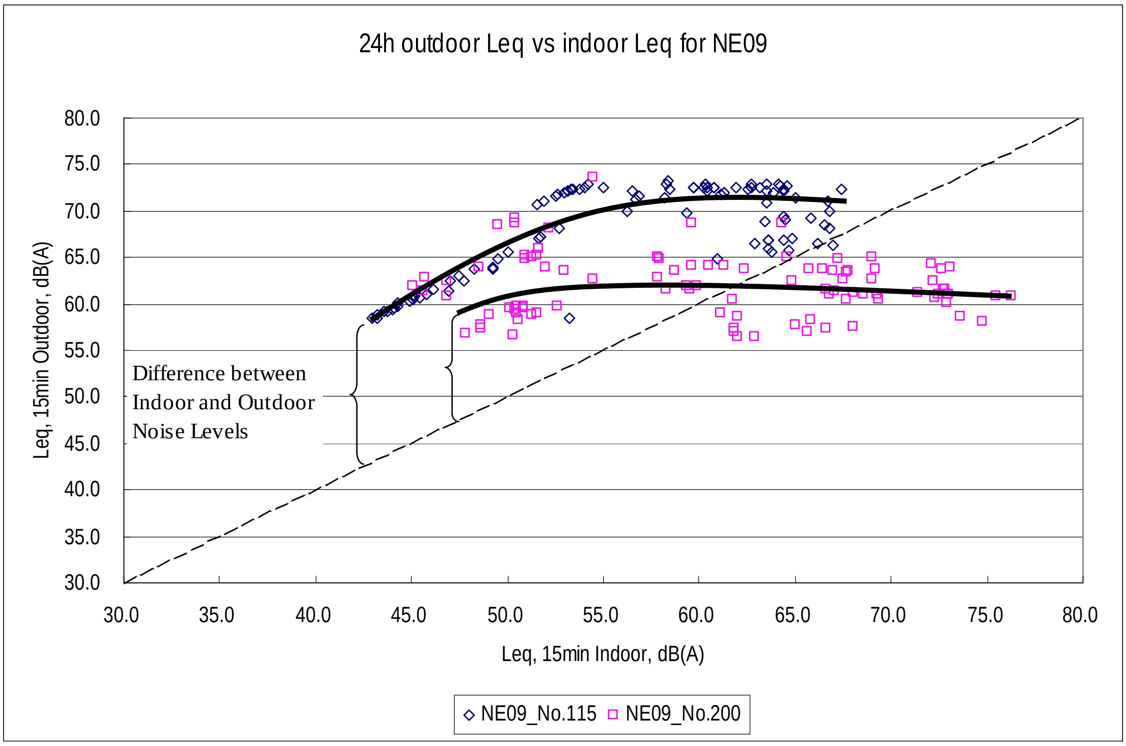
The 24-hour indoor time history of sample ID 200 is depicted in Figure 3-17. Again, noise level at night time was relatively low since less indoor activities were spotted as opposed to day and evening time. A number of noise peaks were found throughout the day and evening periods. These peaks reflected the presence of indoor noise generating activities such as people conversation which caused an increase in the ambient noise level of more than 10 dB(A).

The highest value of 70.8 dB(A) was recorded for L_E in which the nosiest event in the evening was conversation. This explained the occupants lived in and chatted with each other which produced noise of up to 67 dB(A) during day and evening time. These activities, such as conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 57 dB(A) and 74 dB(A) was noted. The indoor noise level was in general lower than the outdoor, except when domestic activities were spotted, and was considerably dominated by indoor noise sources. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-18 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE09



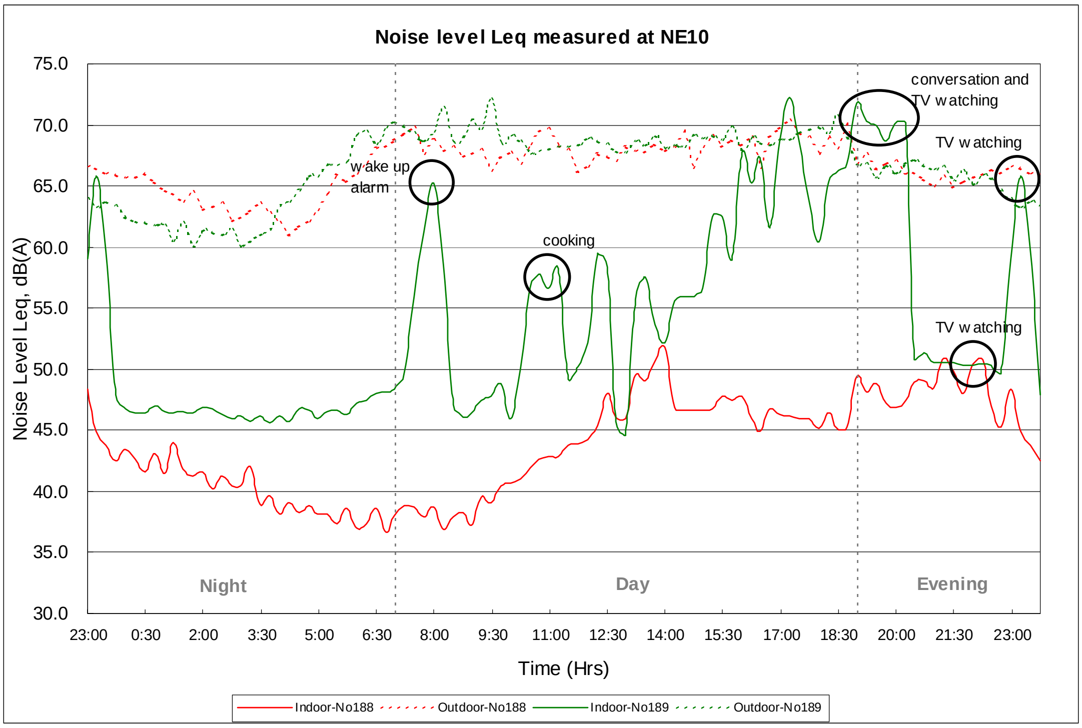
As illustrated in Figure 3-18, a positive linear correlation between the indoor and outdoor noise level was noted for sample ID 115 while indoor noise level was less than 55 dB(A). Similarly, by further increasing the indoor noise level, the gradient of the trend line decreased gradually and showed the independency between the indoor and outdoor noise levels. This further implied that the indoor noise level was significantly contributed by domestic activities instead of outdoors. It was obvious that the outdoor noise environment of sample ID 115 was higher than that of the indoors and the minimum indoor-outdoor noise difference was noted at 2200 hours while a child was playing at home.

The outdoor noise level of sample ID 200 fall within the range between 55 to 70 dB(A) while the indoor noise level fluctuated between 54 to 76 dB(A). Such wide range of indoor noise level reflected that the indoor noise activities dominated the indoor noise environment. Difference between the indoor and outdoor noise levels was noted to reach its minimum value at approximately 0030, 0300, 0900, 1130, 1230, 1330, 1400, 1530, 1600, 1630, 1700, 1930, and 2000 hours when there were intersections between indoor noise peaks and outdoor noise level.

3.1.1.10 24-Hour Noise Monitoring at Residential Premises categorized as NE-10

Noise level arising from common noise generating activities is presented below.

Figure 3-19 24-hour Noise Monitoring for NE-10



24-hr monitoring of Sample ID 188

	Indoor Noise Level, dB(A)
L_D	45.5
L_E	48.8
L_N	41.5

The 24-hour indoor time history of sample ID 188 is depicted in Figure 3-19. Noise level at night time was again relatively low and less indoor noise activities were noted as opposed to day and evening time. Majority of the noise peaks were identified during meal hours. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 3 dB(A). A gradual increase in the noise levels of day and evening time was due to the presence of noise peaks representing events of indoor activities such as conversation.

The highest value of 48.8 dB(A) was noted for L_E in which the nosiest event in the evening was conversation. This explained the occupants lived in and chatted with each other during meal hours which produced noise of up to 53 dB(A). These activities, such as conversation, were noted to dominate the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 61 dB(A) and 70 dB(A) was noted. The shape of the outdoor time history of sample ID 188 is similar to that of sample ID 189, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 189

	Indoor Noise Level, dB(A)
L_D	62.3
L_E	66.1
L_N	53.3

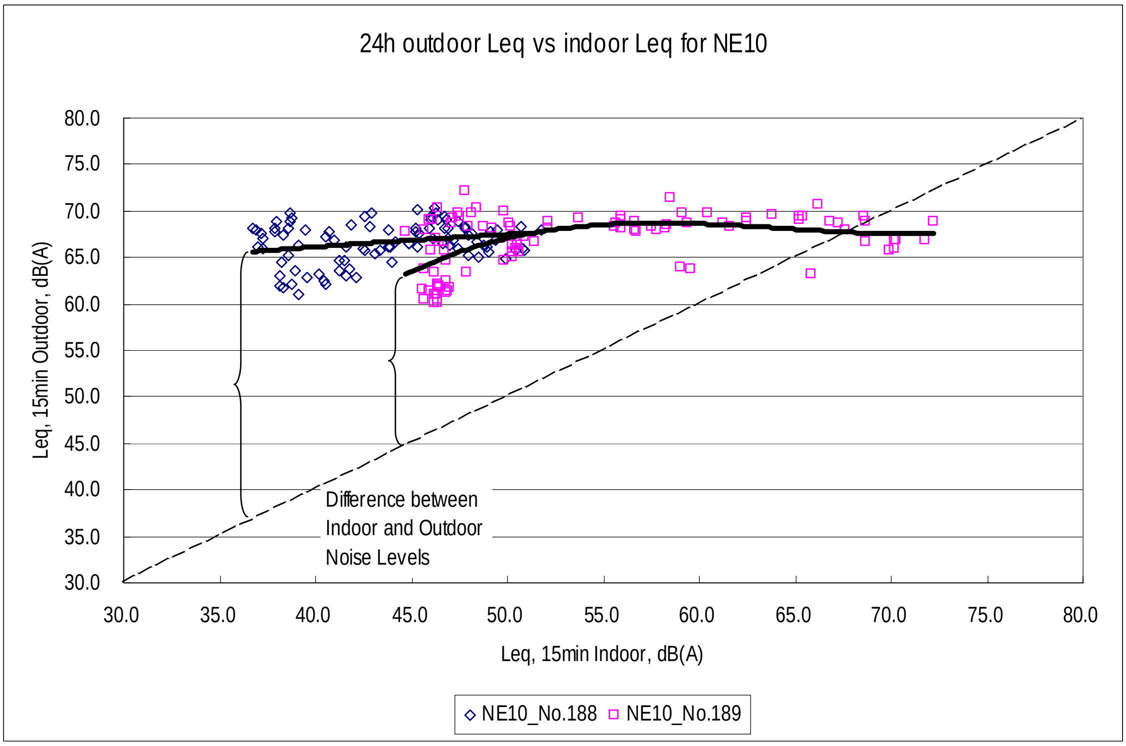
The 24-hour indoor time history of sample ID 189 is depicted in Figure 3-19. Noise level at night time was relatively low as anticipated and less indoor noise activities were spotted as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of day and evening time was due to the presence of domestic activities such as TV watching and conversation.

The highest value of 66.1 dB(A) was determined for L_E in which the nosiest event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 73 dB(A) during daytime and evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 60 dB(A) and 73 dB(A) was noted. The shape of the outdoor time history of sample ID 189 is similar to that of sample ID 188, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-20 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE10



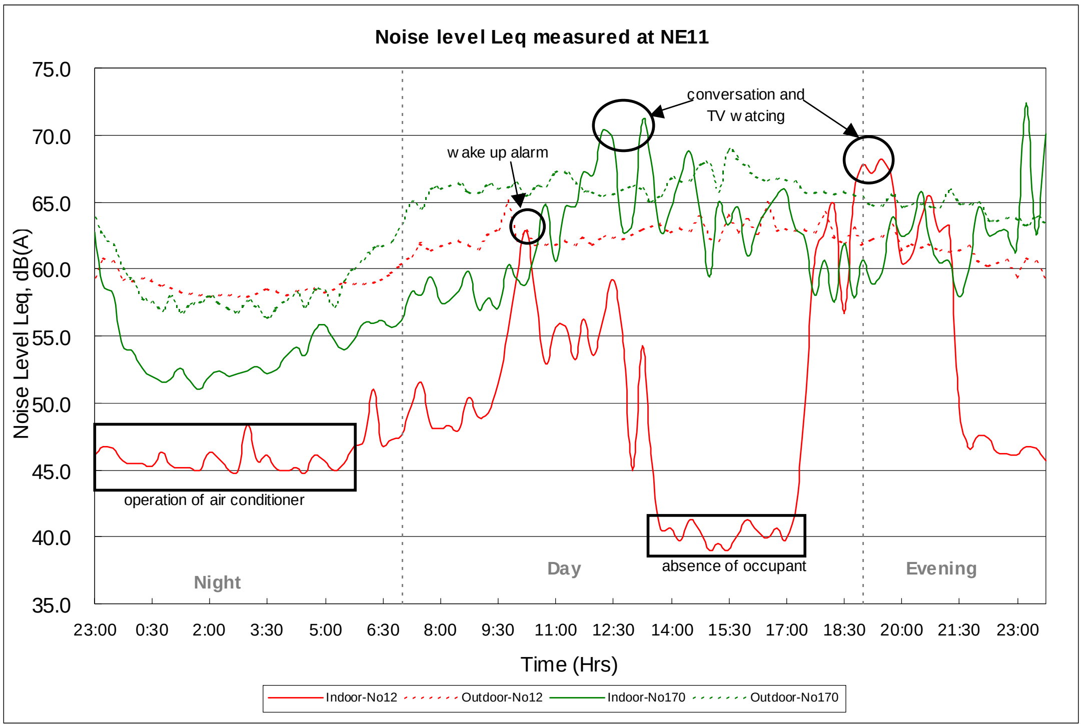
The range of the indoor and outdoor noise level of sample ID 188 was noted to fluctuate between 37 dB(A) and 53 dB(A) and from 61 dB(A) to 70 dB(A), respectively. A generally flat trend line was observed to indicate the correlation between the indoor and outdoor noise level. The independency noted between the indoor and outdoor noise level gave an indication that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. It was obvious that the indoor noise environment of sample ID 188 was much higher than the outdoors and the minimum difference between the indoor-outdoor noise levels of approximately 15 dB(A) was noted to happen at 1400 and 2230 hours respectively in the presence of indoor noise peaks.

As illustrated in the Figure 3-20, a wide range of indoor noise level from 45 dB(A) to 73 dB(A) was noted for sample ID 189. Besides, a positive linear correlation was found when indoor noise level was less than 53 dB(A). By increasing the indoor noise level further, a flat trend line was then noted. This implied that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. Furthermore, it was not difficult to note that the outdoor noise environment of sample ID 189 was comparable to that of sample ID 188 and the minimum difference between the indoor-outdoor noise levels was noted respectively at approximately 2330, 1630, 1700, 1900, 2000, and 2300 hours in the presence of sharp indoor noise peaks.

3.1.1.11 24-Hour Noise Monitoring at Residential Premises categorized as NE-11

Noise level arising from common noise generating activities is presented below.

Figure 3-21 24-hour Noise Monitoring for NE-11



24-hr monitoring of Sample ID 12

	Indoor Noise Level, dB(A)
L_D	55.9
L_E	63.4
L_N	46.2

The 24-hour indoor time history of sample ID 12 is depicted in Figure 3-21. Again, the measured noise level at night time was relatively low as anticipated and less indoor noise activities were spotted as opposed to day and evening time. Majority of the noise peaks were found during meal hours. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of day and evening time was due to the presence of indoor domestic activities such as TV watching and conversation.

The highest value of 63.4 dB(A) was noted for L_E in which the nosiest event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 68 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 58 dB(A) and 64 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources while domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 170

	Indoor Noise Level, dB(A)
L_D	64.2
L_E	62.2
L_N	55.0

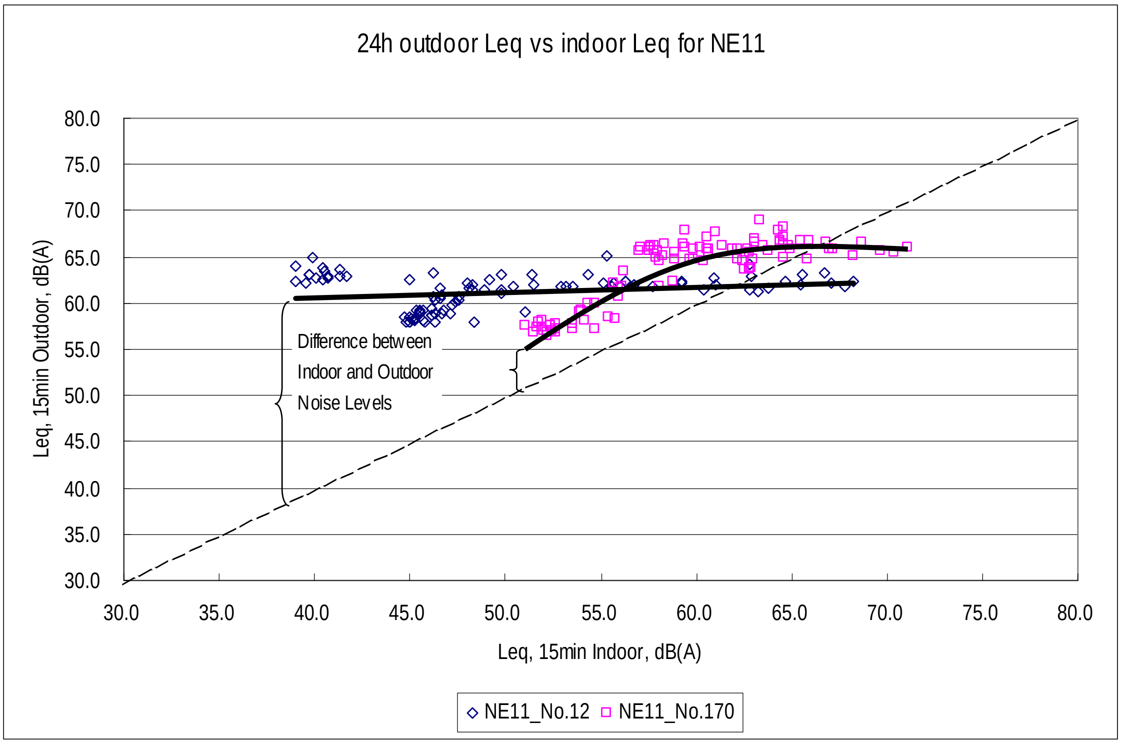
The 24-hour indoor time history of sample ID 170 is depicted in Figure 3-21. Noise level at night time was obviously to be the lowest due to less indoor activities as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of domestic activities such as TV watching and conversation.

The highest value of 64.2 dB(A) was noted for L_D in which the nosiest event in the day was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 72 dB(A) during daytime. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 57 dB(A) and 69 dB(A) was noted. The indoor noise level was in general lower than the outdoor, except when domestic activities were spotted, and was considerably dominated by indoor noise sources. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-22 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE11



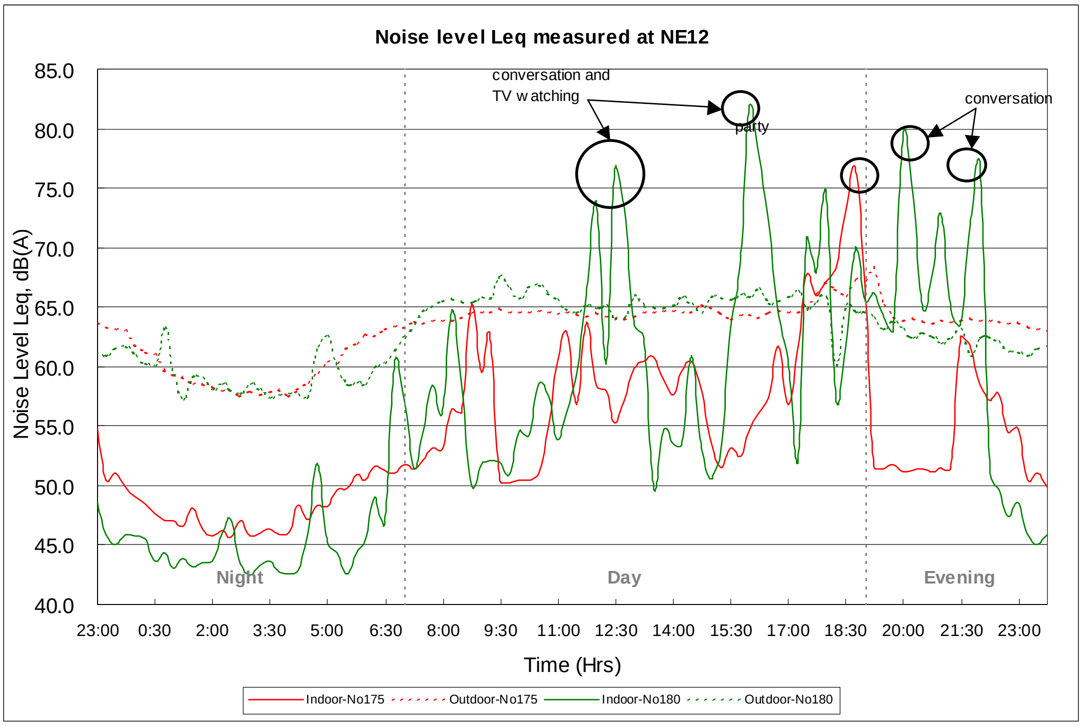
As revealed by the noise monitoring result, the outdoor noise level of sample ID 12 lied within a narrow range from 57 dB(A) to 65 dB(A). In the presence of domestic activities, the indoor noise level fluctuated greatly from 35dB(A) to 68 dB(A), thus giving a flat linear trend line. The independency noted between the indoor and outdoor noise levels served as a good indication that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. Difference between the indoor-outdoor noise levels reached its minimum at approximately 1000, 1800, 1830, 1930, 2000, and 2100 hours while sharp indoor noise peaks were noted in the time history plot.

Figure 3-22 showed that there was initially a positive linear correlation between the indoor and outdoor noise levels of sample ID 170 while indoor noise level was less than 57 dB(A). Increasing the indoor noise level would result in a horizontal trend line as depicted above. This implied that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. Similarly, minimum values were noted for the difference between indoor and outdoor noise levels at approximately 1100, 1200, 1230, 1300, 1330, 1400, 2000, 2230, and 2300 hours when sharp indoor noise peaks were spotted.

3.1.1.12 24-Hour Noise Monitoring at Residential Premises categorized as NE-12

Noise level arising from common noise generating activities is presented below.

Figure 3-23 24-hour Noise Monitoring for NE-12



24-hr monitoring of Sample ID 175

	Indoor Noise Level, dB(A)
L_D	63.9
L_E	58.4
L_N	49.0

The 24-hour indoor time history of sample ID 175 is depicted in Figure 3-23. It was obvious to note that noise levels at night time was relatively low as anticipated due to less indoor noise activities opposed to daytime and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor domestic activities during party time.

The highest value of 63.9 dB(A) was recorded for L_D while an indoor party was being held. This explained the conversation and music played during this occasion produced noise of up to 77 dB(A) at daytime. These activities, including conversation and listening to music, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 58 dB(A) and 65 dB(A) was noted. The shape of the outdoor time history of sample ID 175 is similar to that of sample ID 180, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor, except during party time, and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 180

	Indoor Noise Level, dB(A)
L_D	69.3
L_E	71.6
L_N	48.3

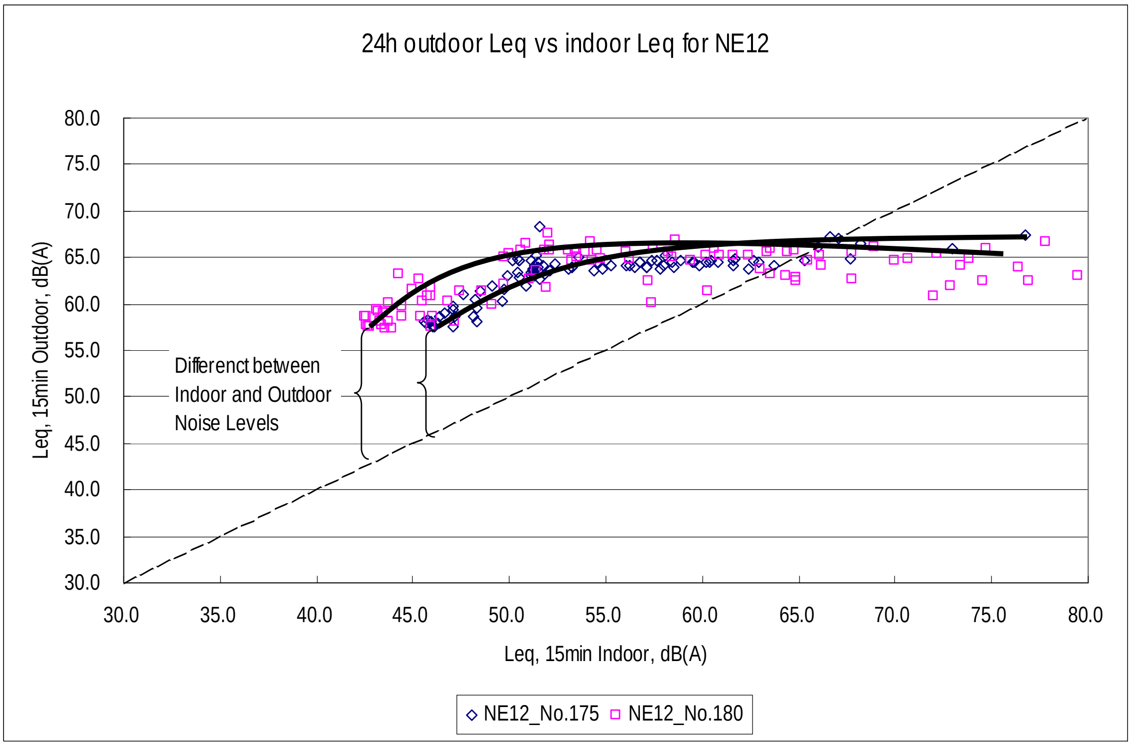
The 24-hour indoor time history of sample ID 180 is depicted in Figure 3-23. Noise levels at night time was noted to be relatively low due to less indoor noise as opposed to daytime and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of day and evening time was due to the presence of indoor domestic activities such as TV watching and conversation.

L_E was noted to possess the highest value of 71.6 dB(A) in which the nosiest event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 82 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 58 dB(A) and 65 dB(A) was noted. The shape of the outdoor time history of sample ID 180 is similar to that of sample ID 175, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor, except when domestic activities were spotted, and was considerably dominated by indoor noise sources. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-24 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE12



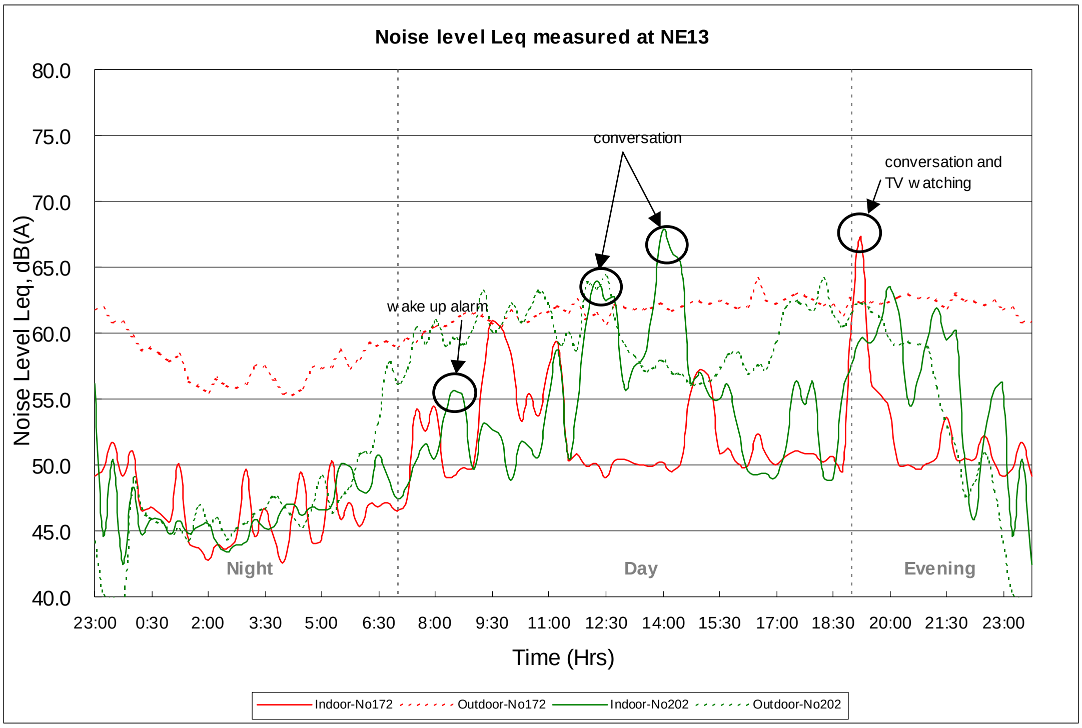
As shown in Figure 3-24, the monitoring results for sample ID 175 indicated a positive linear correlation at low indoor noise regime of less than 52 dB(A). The increase in indoor noise level to 68 dB(A) indicated the presence of domestic activities. The gradual drop in gradient of the trend line served as an indicator that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. Furthermore, as revealed by the above figure, comparable outdoor noise level was observed for sample IDs 175 and 180. Difference between the indoor-outdoor noise levels reached its minimum at about 0900, 1700 and 1900 hours when indoor noise peaks were noted.

Similar observation was noted for sample ID 180. A positive linear correlation was noted between the indoor and outdoor noise level when indoor noise level was less than 52 dB(A). The trend line gradually flattens while increasing the indoor noise level. This indicated that the indoor noise climate was significantly contributed by domestic activities instead of outdoors. The minimum value between the indoor and outdoor noise levels was noted to occur at approximately 1130, 1200, 1230, 1530, 1630, 1700, 1800, 1930, 2130, and 2200 hours when indoor noise peaks intersected with outdoor noise level in the time history plot.

3.1.1.13 24-Hour Noise Monitoring at Residential Premises categorized as NE-13

Noise level arising from common noise generating activities is presented below.

Figure 3-25 24-hour Noise Monitoring for NE-13



24-hr monitoring of Sample ID 172

	Indoor Noise Level, dB(A)
L_D	53.6
L_E	57.4
L_N	47.4

The 24-hour indoor time history of sample ID 172 is depicted in Figure 3-25. Noise levels at night time was relatively low as anticipated and less indoor noise-associated activities were spotted as opposed to daytime and evening time. Majority of the noise peaks were found during meal hours. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of day and evening time was due to the presence of indoor domestic activities such as TV watching and conversation.

The highest value of 57.4 dB(A) was noted for L_E in which the nosiest event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 68 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 55 dB(A) and 64 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 202

	Indoor Noise Level, dB(A)
L_D	58.2
L_E	59.1
L_N	47.8

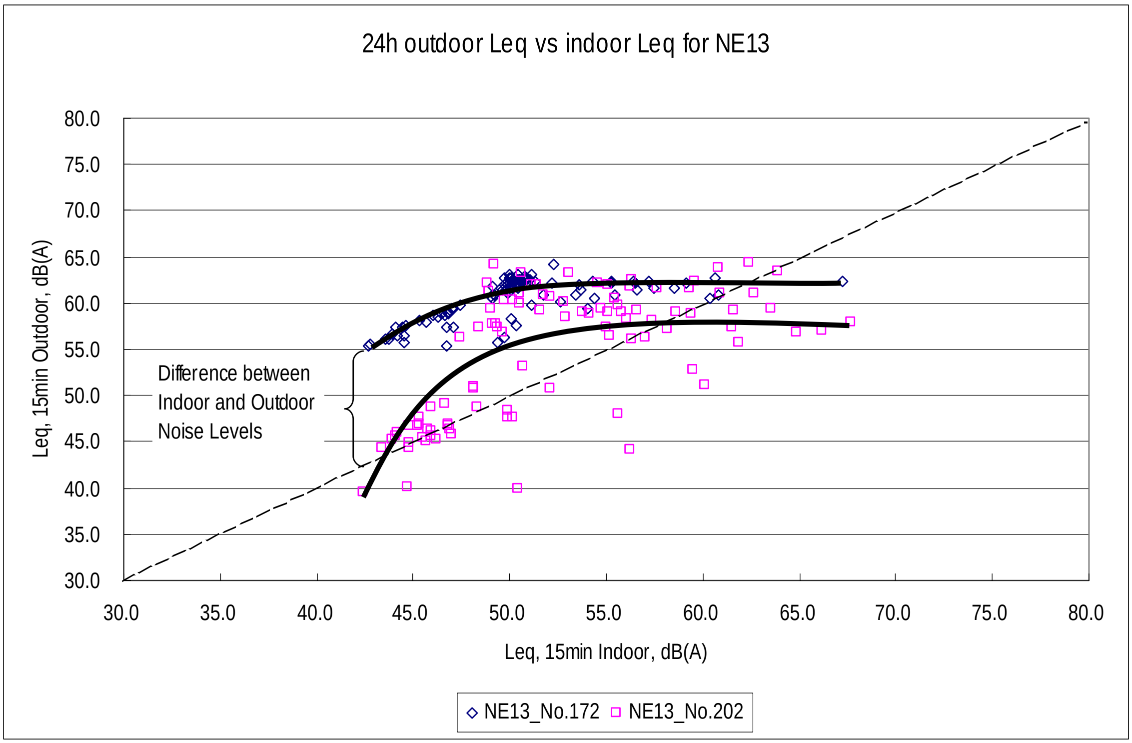
The 24-hour indoor time history of sample ID 202 is depicted in Figure 3-25. Noise level at night time was relatively low as anticipated and less indoor noise-associated activities were spotted as opposed to daytime and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of peaks of noise representing events of indoor domestic activities such as TV watching and conversation.

The highest value of 59.1 dB(A) was noted for L_E in which the nosiest event in the evening was conversation. This explained the occupants lived in and chatted with each other which produced noise of up to 68 dB(A) in the evening. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 45 dB(A) and 64 dB(A) was noted. The indoor noise level was in general lower than the outdoor, except when domestic activities were spotted, and was considerably dominated by indoor noise sources. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-26 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE13



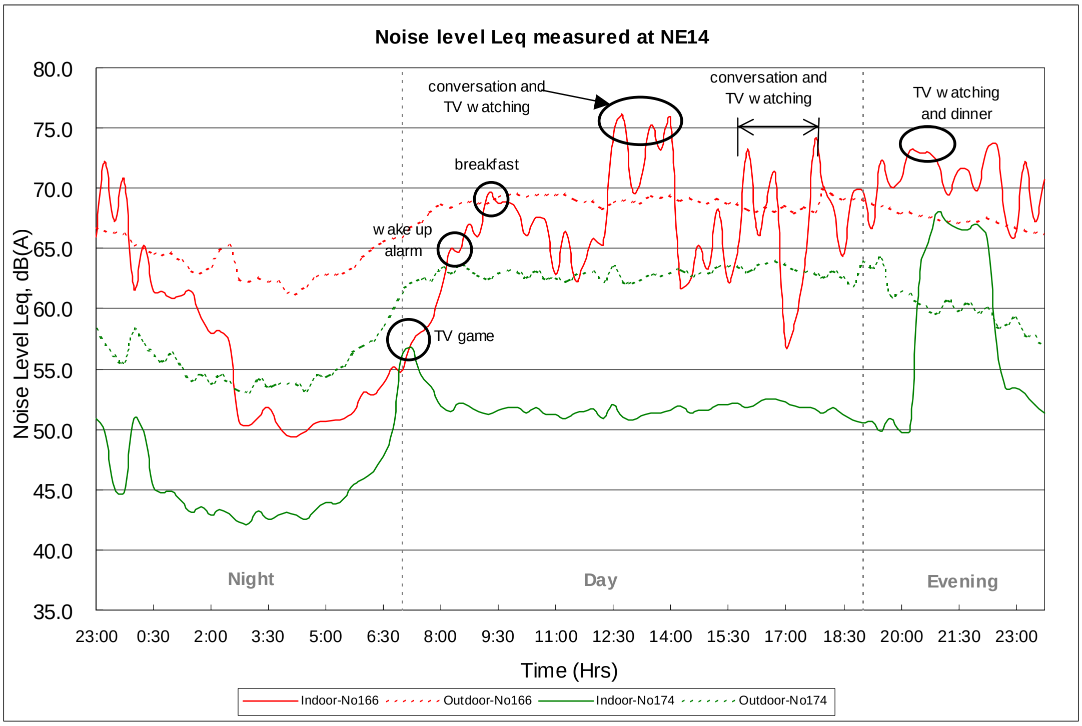
Noise monitoring result for sample ID 172 revealed that the indoor and outdoor noise levels possessed a positive linear correlation at low noise regime of less than 50 dB(A) while a horizontal trend line was noted once the indoor noise level increased further due to domestic activities. This was as a good indication to show that the indoor noise climate was dominated by domestic activities instead of outdoors. The above figure also revealed that the outdoor noise level was comparatively higher than that of sample ID 202. Difference between the indoor-outdoor noise levels was noted to reach its minimum value at 0900 and 1700 hours when sharp noise peaks arising from conversation and TV watching were observed at the time history plot.

As illustrated in Figure 3-26, the indoor noise level for sample ID 202 was highly fluctuated within the range of 43 dB(A) and 68 dB(A) which gave rise to the scattered points as demonstrated above. The gradient of the trend line decreased gradually by increasing the indoor noise level from 50 dB(A) which indicated that the indoor noise level was significantly contributed by domestic activities instead of outdoors. In view of the presence of many sharp noise peaks arising from indoor noise-associated activities during day and evening times, as well as the similarity level of indoor and outdoor noise at night-time, there were a number of minimum points for indoor-outdoor noise difference.

3.1.1.14 24-Hour Noise Monitoring at Residential Premises categorized as NE-14

Noise level arising from common noise generating activities is presented below.

Figure 3-27 24-hour Noise Monitoring for NE-14



24-hr monitoring of Sample ID 166

	Indoor Noise Level, dB(A)
L_D	69.0
L_E	71.5
L_N	62.3

The 24-hour indoor time history of sample ID 166 is depicted in Figure 3-27. Noise levels measured at night time was relatively low as anticipated and less indoor noise-associated activities were spotted as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of day and evening times was due to the presence of noise representing events such as TV watching and conversation.

The highest value of 71.5 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained the presence of occupants and indoor activities which produced noise of up to 76 dB(A) in the evening. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 62 dB(A) and 70 dB(A) was noted. The shape of the outdoor time history of sample ID 166 is similar to that of sample ID 174, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 174

	Indoor Noise Level, dB(A)
L_D	52.1
L_E	63.6
L_N	45.9

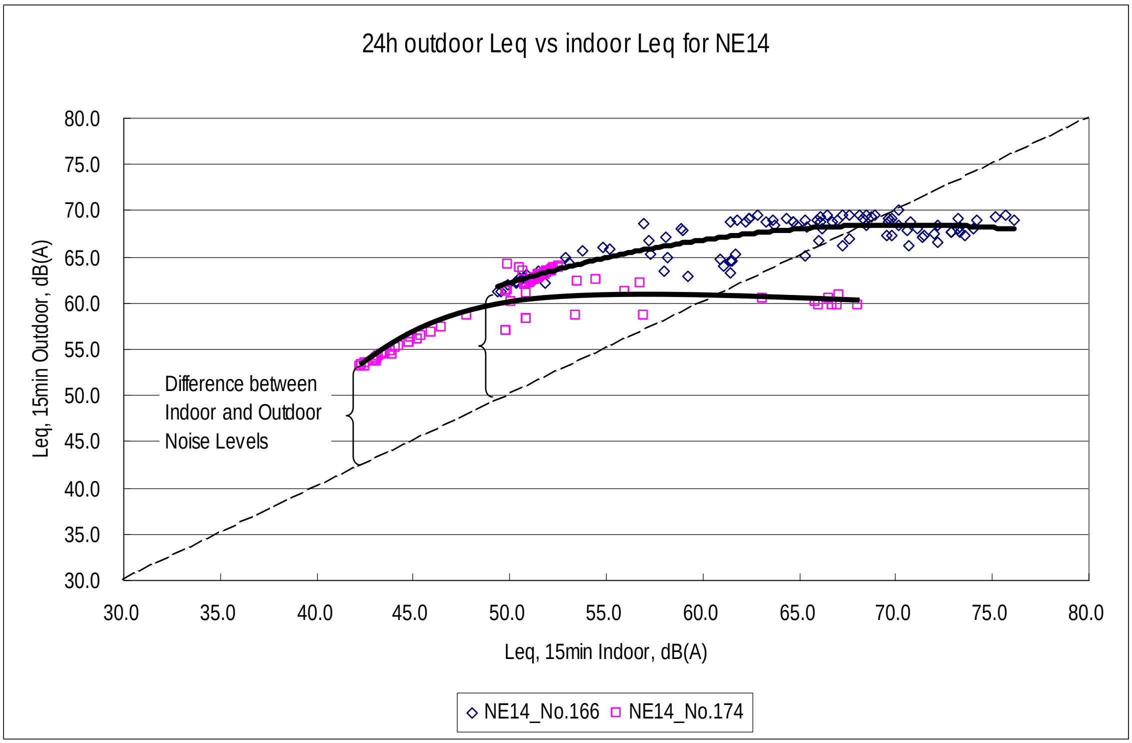
The 24-hour indoor time history of sample ID 174 is depicted in Figure 3-27. As previous, noise level at night time was relatively low due to less indoor noise-associated activities as opposed to day and evening time. A number of noise peaks were found at day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of peaks of noise representing events of indoor domestic activities such as playing TV games and conversation.

The highest value of 63.6 dB(A) was noted for L_E in which the nosiest combined event in the evening was playing TV games and conversation. This explained the presence of occupants and indoor activities which produced noise of up to 67 dB(A) in the evening. These activities dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 54 dB(A) and 64 dB(A) was noted. The shape of the outdoor time history of sample ID 174 is similar to that of sample ID 166, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-28 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE14



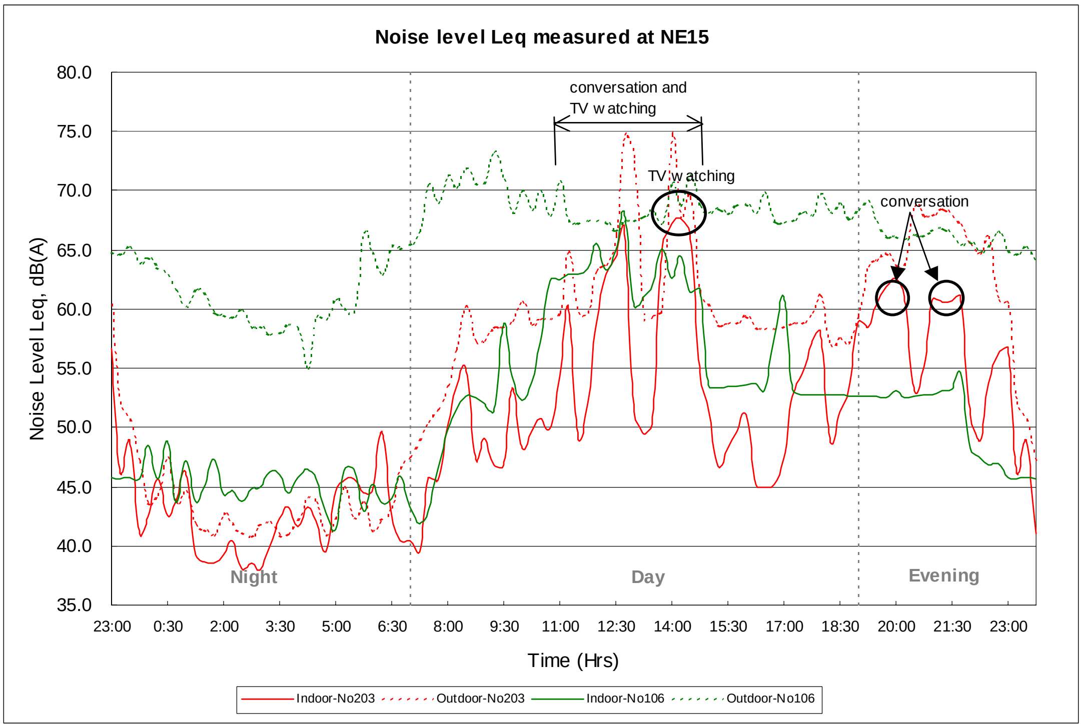
As illustrated in Figure 3-28, a positive linear relationship between the indoor and outdoor noise level was noted for sample ID 166. The gradient of the trend line decreased when the indoor noise level increased from 50 dB(A) to 75 dB(A), indicating the domination of domestic activities in contributing to the indoor noise climate. Generally, a higher level of outdoor noise was noted when compared to those obtained for sample ID 174. A number of minimum points were noted for the difference between indoor-outdoor noise levels while there were sharp noise peaks arising from indoor activities throughout the monitoring period.

The above figure also illustrated that the maximum outdoor noise level of sample ID 174 was noted to ranged between 53 dB(A) to 65 dB(A). Comparatively, such low outdoor level would not be the dominant contributor to the indoor noise level. Nevertheless, as no outdoor noise-associated activity was spotted during the monitoring period, a flat horizontal trend line was noted which further indicated the independency of indoor noise level with the outdoors. Difference between the indoor and outdoor noise levels reached its minimum value at approximately 2030 and 2200 hours while sharp noise peaks arising from playing TV game and conversion were noted.

3.1.1.15 24-Hour Noise Monitoring at Residential Premises categorized as NE-15

Noise level arising from common noise generating activities is presented below.

Figure 3-29 24-h Noise Monitoring for NE-15



24-hr monitoring of Sample ID 106

	Indoor Noise Level, dB(A)
L_D	58.7
L_E	59.2
L_N	45.7

The 24-hour indoor time history of sample ID 106 is depicted in Figure 3-29. Noise level at night time was relatively low as anticipated due to less indoor noise-associated activities as opposed to day and evening time. A number of noise peaks were found throughout the day and evening periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor activities such as TV watching and conversation.

The highest value of 59.2 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV while chatted with each other to produce noise of up to 68 dB(A) during evening. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. As illustrated in the above figure, the outdoor noise climate was noted to range between 55 dB(A) and 73 dB(A). The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 203

	Indoor Noise Level, dB(A)
L_D	59.9
L_E	52.1
L_N	45.6

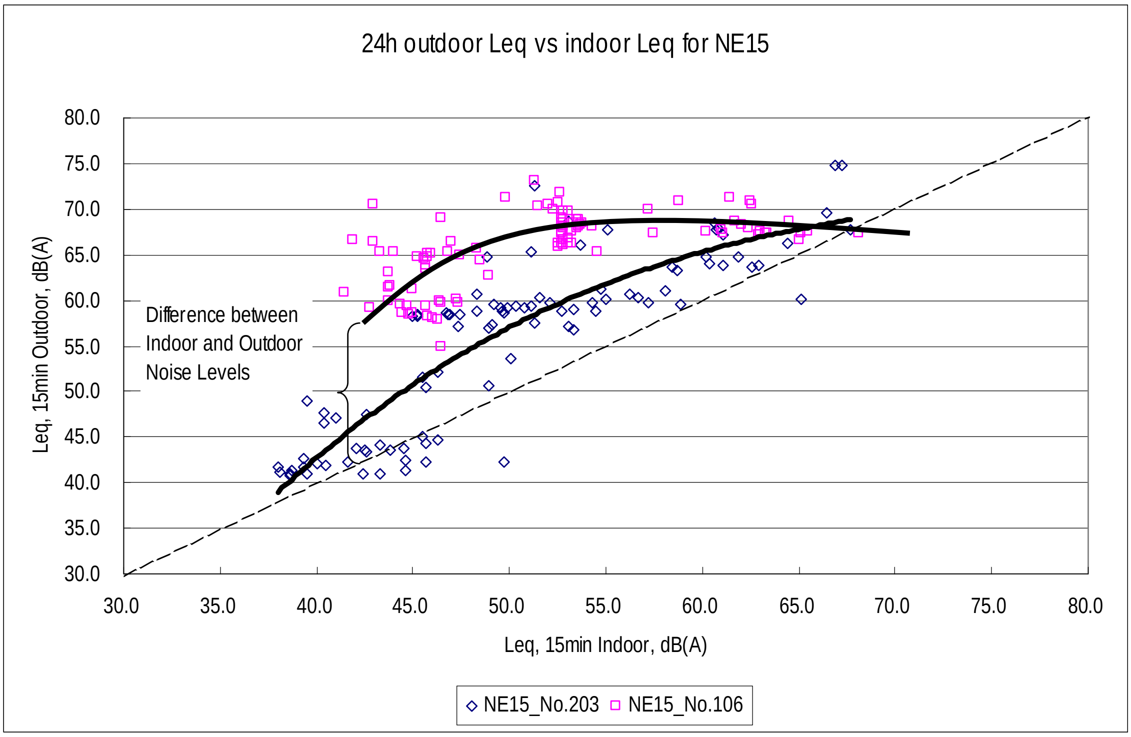
The 24-hour indoor time history of sample ID 203 is depicted in Figure 3-29. As previous, noise level at night time was relatively low and less indoor noise-associated activities were noted as opposed to daytime and evening time. Majority of the noise peaks were identified during meal hours. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of day and evening time was due to the presence of indoor activities such as TV watching and conversation.

The highest value of 59.9 dB(A) was determined for L_D in which the nosiest event in the day was TV watching. This explained the occupants lived in and turned on TV which produced noise of up to 68 dB(A) during daytime. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. As illustrated in the above figure, the outdoor noise climate was noted to range between 41 dB(A) and 75 dB(A). The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-30 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE15



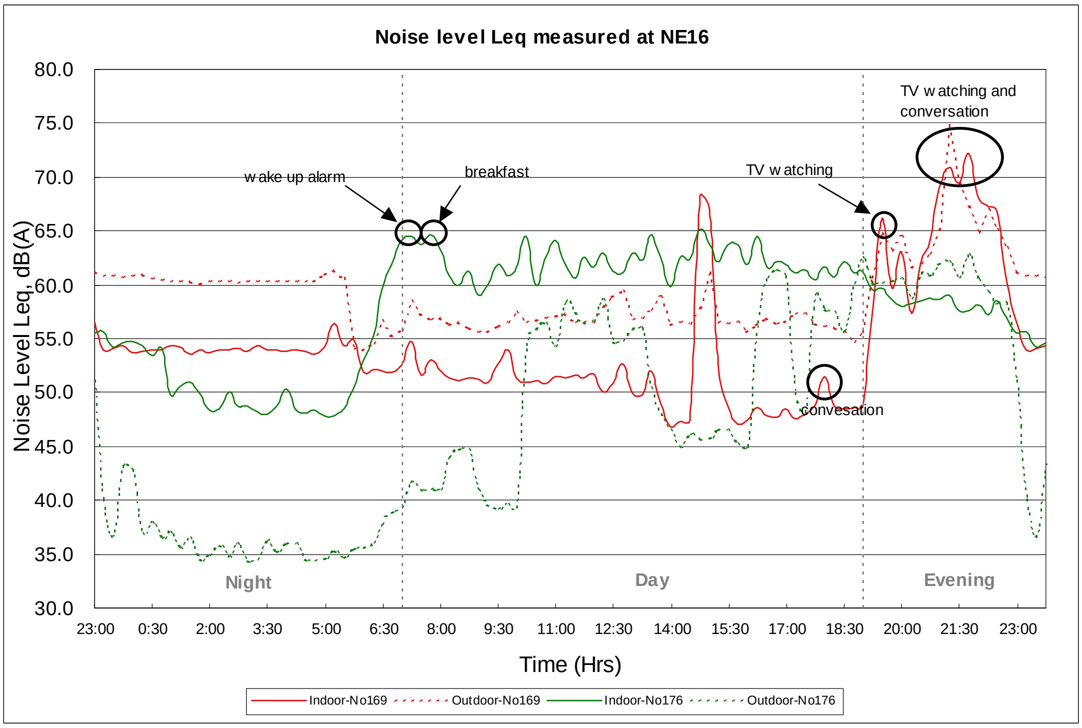
As shown in Figure 3-30, the monitoring results at sample ID 203 reflected that the indoor and outdoor noise level possessed a positive correlation. The slope of the trend line gradually decreased with increasing indoor noise level, which might suggest the domination of domestic activities in contributing to the indoor noise climate. A relatively higher outdoor noise was also noted from the above figure when compared to that of sample ID 106. In view of the similarity of indoor and outdoor noise levels throughout night time, there were a number of minimum points for indoor-outdoor noise levels difference while for day and evening time, minimum points were noted only occur when there were sharp noise peaks arising from watching TV and conversation at 1200, 1330 and 1900 hours.

The indoor noise level of sample ID 106 was highly fluctuated within the range from 42 to 68 dB(A). A positive linear correlation was noted between the indoor and outdoor noise levels. The relatively flat nature of the trend line gave an idea that the indoor noise environment was significantly dominated by domestic activities instead of outdoors. It was obvious that the outdoor noise environment of sample ID 106 was higher than the indoors and the minimum difference between the indoor-outdoor noise levels was noted to happen at 1230 hours while there was sharp peak arising from TV watching and conversation.

3.1.1.16 24-Hour Noise Monitoring at Residential Premises categorized as NE-16

Noise level arising from common noise generating activities is presented below.

Figure 3-31 24-hour Noise Monitoring for NE-16



24-hr monitoring of Sample ID 169

	Indoor Noise Level, dB(A)
L_D	55.5
L_E	66.8
L_N	54.0

The 24-hour indoor time history of sample ID 169 is depicted in Figure 3-31. Noise level at night time was relatively low as anticipated and less indoor noise-associated activities as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor activities such as TV watching and conversation.

The highest value of 66.8 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching. This explained the presence of occupants and indoor activities which produced noise of up to 68 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. As illustrated in the above figure, the outdoor noise climate was noted to range between 54 dB(A) and 75 dB(A). The shape of the outdoor time history is similar to that of the indoor, indicating the similarity of noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 176

	Indoor Noise Level, dB(A)
L_D	62.4
L_E	58.7
L_N	53.4

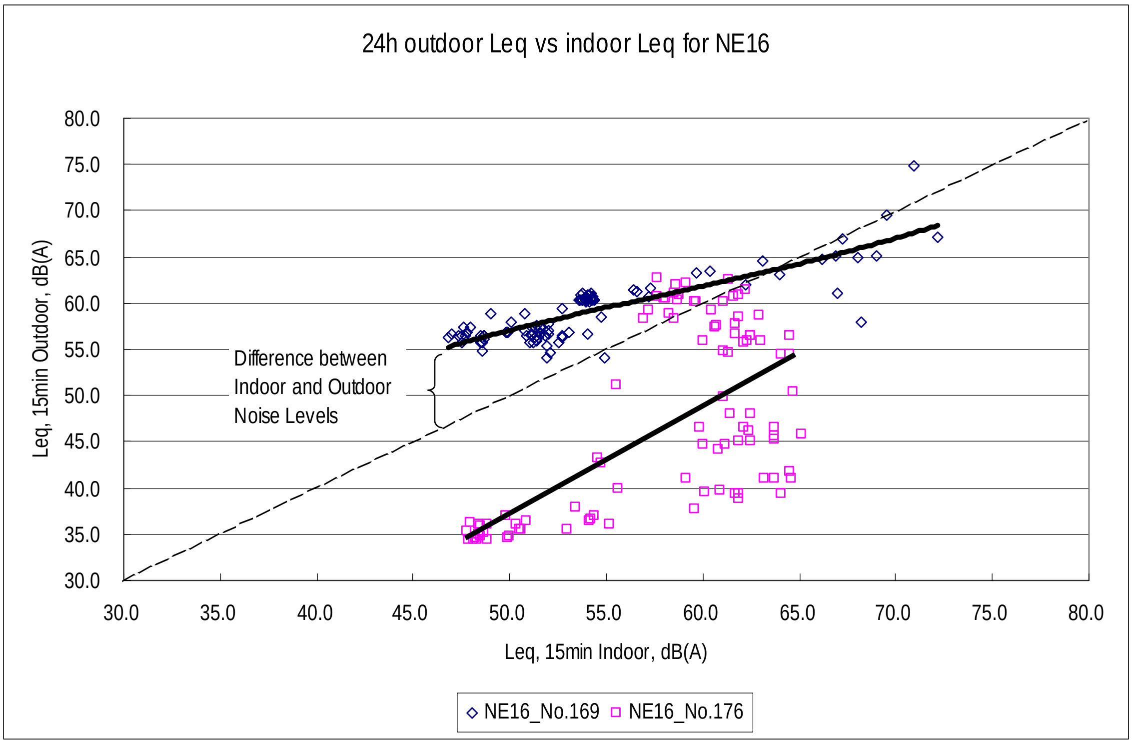
The 24-hour indoor time history of sample ID 176 is depicted in Figure 3-31. As previous, noise level recorded at night time was relatively low and less indoor noise-associated activities were spotted as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor domestic activities such as conversation.

The highest value of 62.4 dB(A) was noted for L_D in which the nosiest event in the day was observed during breakfast. This explained the presence of occupants and indoor activities which produced noise of up to 65 dB(A) during daytime. These activities dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 34 dB(A) and 63 dB(A) was noted. The indoor noise level was in general higher than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-32 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE16



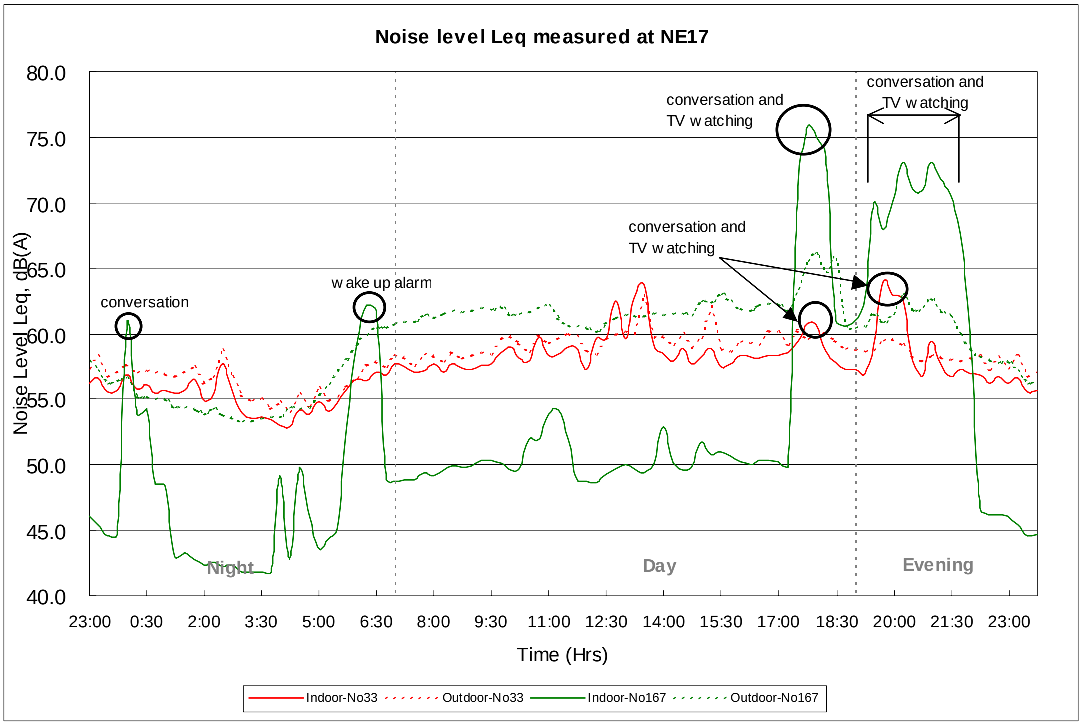
The outdoor noise level of sample ID 169 was quite steady which ranged between 55 dB(A) and 68 dB(A). Variation of the outdoor noise level was mainly caused by the background noise of the outdoor environment. Figure 3-32 illustrated that the indoor noise level was highly fluctuated from 48 dB(A) to 74 dB(A) which was believed to be dominated by indoor domestic activities. Difference between the indoor-outdoor noise levels reached its minimum value respectively at approximately 0530, 1430, 1500, 1930, 2100, 2130, and 2230 hours while there were sharp noise peaks arising from TV watching and conversation.

As illustrated in Figure 3-32, the monitoring results for sample ID 176 showed that the indoor and outdoor noise levels possessed a positive linear correlation at low indoor noise regime of less than 60 dB(A). When indoor noise highly fluctuated beyond and below the outdoor noise levels, scattered points would result as demonstrated above. Such fluctuation reflected that the indoor noise environmental was dominated by indoor activities instead of the outdoors. Nevertheless, it is still obvious to note that the indoor noise environment of sample ID 176 was higher than the outdoors and the minimum difference between the indoor-outdoor noise levels was noted to happen at 1830 and 2200 hours while there was sharp outdoor noise peaks.

3.1.1.17 24-Hour Noise Monitoring at Residential Premises categorized as NE-17

Noise level arising from common noise generating activities is presented below.

Figure 3-33 24-hour Noise Monitoring for NE-17



24-hr monitoring of Sample ID 33

	Indoor Noise Level, dB(A)
L_D	58.9
L_E	59.3
L_N	55.5

The 24-hour indoor time history of sample ID 33 is depicted in Figure 3-33. Noise level at night time was relatively low as anticipated and less indoor noise-associated activities were spotted as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor domestic activities such as TV watching and conversation.

The highest value of 59.3 dB(A) was noted for L_E in which the nosiest event in the evening was TV watching and conversation. This explained the presence of occupants and indoor activities which produced noise of up to 64 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. As illustrated in the above figure, the outdoor noise climate was noted to range between 54 dB(A) and 63 dB(A) was noted. The shape of the outdoor time history is similar to that of the indoor, indicating the similarity of noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. However, as the indoor noise peak at 1930 did not reflect on the outdoor noise history, variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 167

	Indoor Noise Level, dB(A)
L_D	63.7
L_E	69.1
L_N	53.3

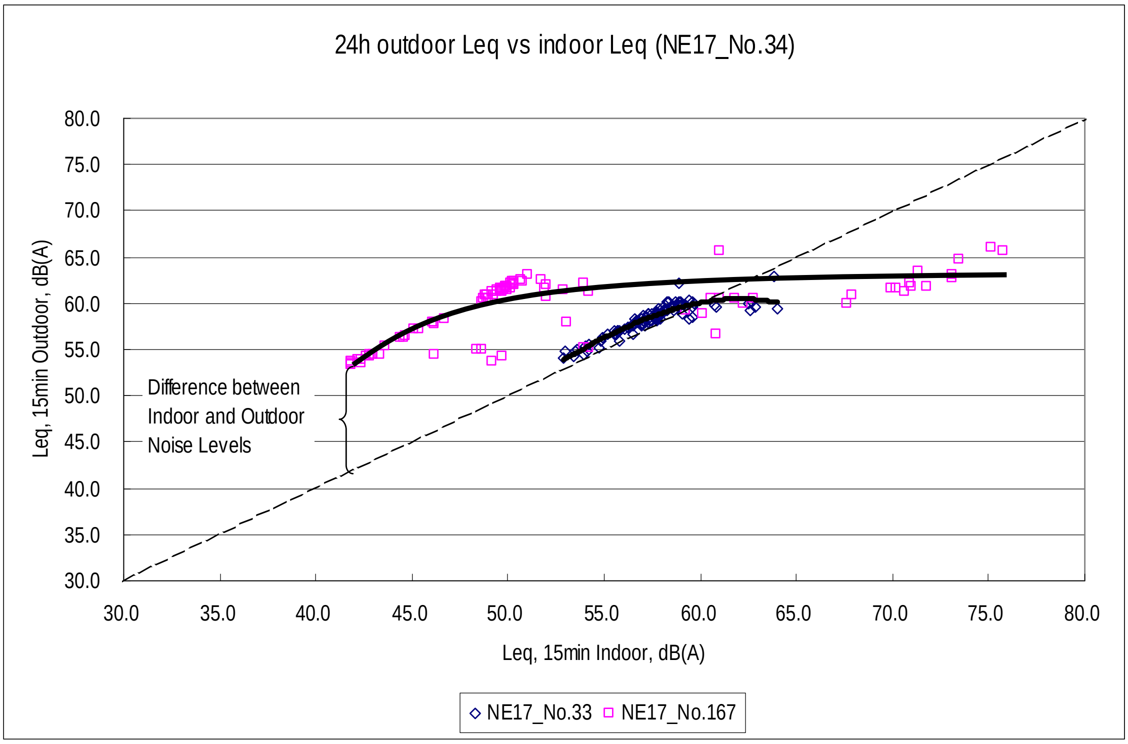
The 24-hour indoor time history of sample ID 167 is depicted in Figure 3-33. Noise level recorded at night time was relatively low as anticipated and less indoor noise-associated were spotted as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of peaks of noise representing events of indoor domestic activities such as conversation.

The highest value of 69.1 dB(A) was determined for L_E in which the nosiest combined event in the evening was observed during breakfast. This explained the presence of occupants and indoor activities which produced noise of up to 76 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 53 dB(A) and 66 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-34 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE17



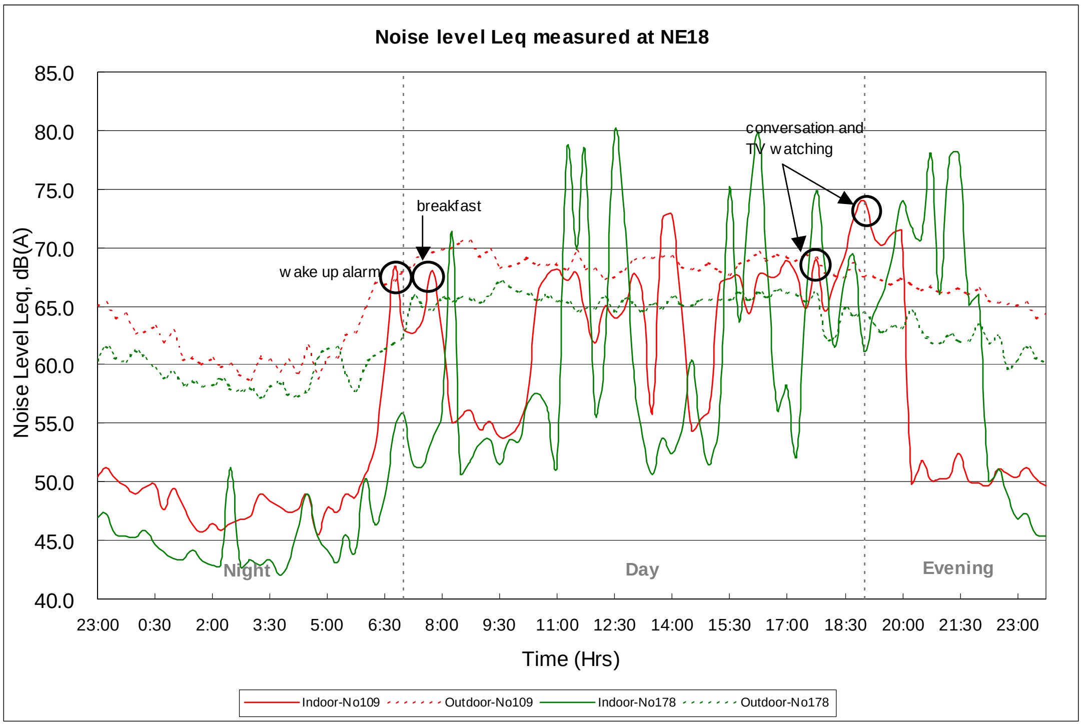
As shown in Figure 3-34, the indoor noise level recorded for sample ID 33 fluctuated from 53 dB(A) to 65 dB(A) while the outdoor noise level was noted to fall within 54 dB(A) to 61 dB(A). A positive linear correlation was spotted at low indoor noise regime (below 60 dB(A)). By increasing the indoor noise level of more than 60 dB(A), the trend line flatten which gave an indication that the indoor noise level was contributed significantly by domestic activities instead of outdoors. In view of the similarity of indoor and outdoor noise levels, difference between the indoor-outdoor noise levels reached its minimum value for a number of times while there were sharp indoor noise peaks.

Sample ID 167 experienced a wide range of indoor noise level from 42 dB(A) to 76 dB(A) which was contributed by a number of domestic activities, such as TV watching and conversation while the outdoor noise level was measured to range between 53 dB(A) to 66 dB(A). In the presence of domestic activities, the indoor noise level was contributed significantly by such activities instead of the outdoors. Difference between the indoor-outdoor noise levels reached its minimum value respectively at approximately 0000, 0530, 0600, 1730, 1830 and 2200 hours while sharp indoor noise peaks were noted.

3.1.1.18 24-Hour Noise Monitoring at Residential Premises categorized as NE-18

Noise level arising from common noise generating activities is presented below.

Figure 3-35 24-hour Noise Monitoring for NE-18



24-hr monitoring of Sample ID 109

	Indoor Noise Level, dB(A)
L_D	66.3
L_E	66.8
L_N	55.0

The 24-hour indoor time history of sample ID 109 is depicted in Figure 3-35. Noise level at night time was relatively low as anticipated and less indoor noise-associated activities were spotted as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor domestic activities such as TV watching and conversation.

The highest value of 66.8 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching. This explained the presence of occupants and indoor activities which produced noise of up to 74 dB(A) during evening. These activities, such as TV watching, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 58 dB(A) and 71 dB(A) was noted. The shape of the outdoor time history of sample ID 109 is similar to that of sample ID 178, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 178

	Indoor Noise Level, dB(A)
L_D	70.2
L_E	72.2
L_N	46.5

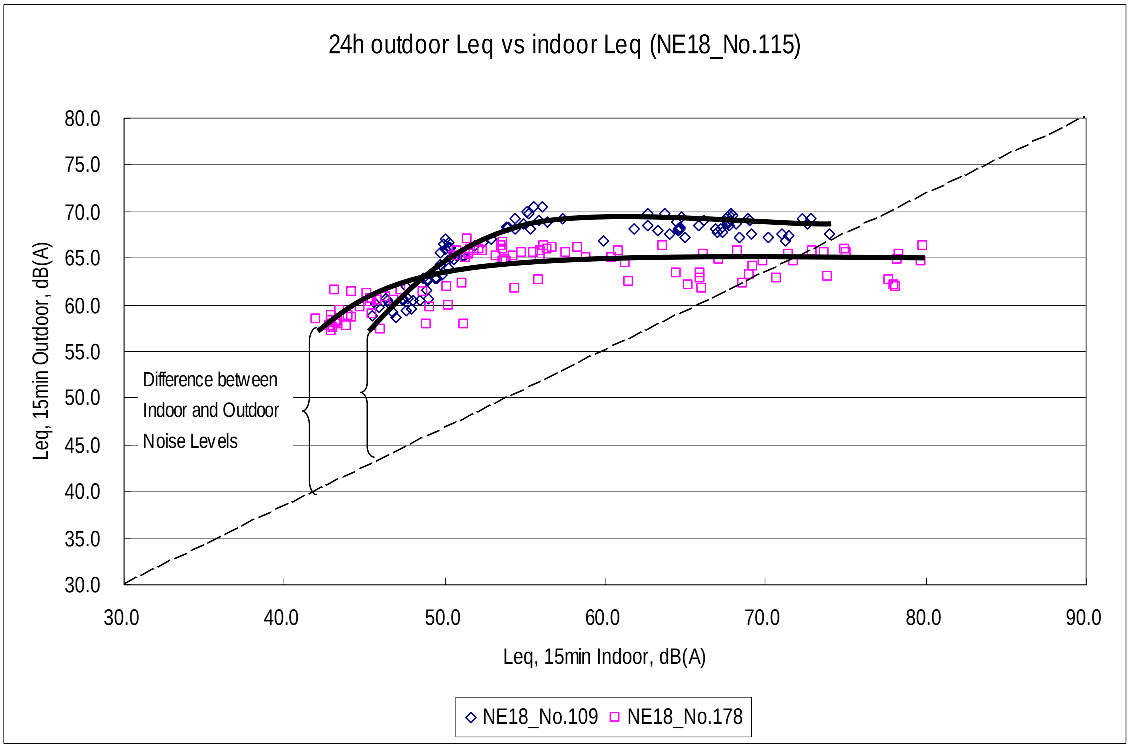
The 24-hour indoor time history of sample ID 178 is depicted in Figure 3-35. Again, noise level at night time was relatively low due to less indoor noise as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of day and evening time was due to the presence of representing events such as TV watching and conversation.

The highest value of 72.2 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV which produced noise of up to 80 dB(A) during evening time. These activities dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 57 dB(A) and 67 dB(A) was noted. The shape of the outdoor time history of sample ID 178 is similar to that of sample ID 109, indicating that both sites possessed similar outdoor noise characteristics. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-36 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE18



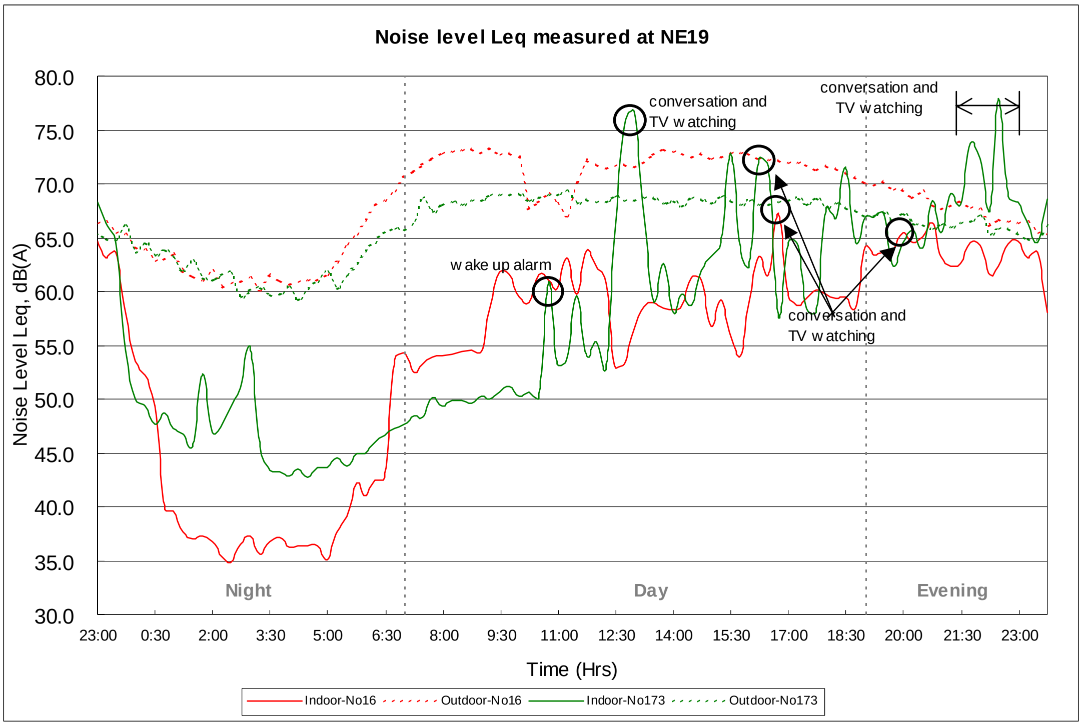
As shown in Figure 3-36, the monitoring results for sample ID 109 indicated that there was a positive linear correlation between the indoor and outdoor noise levels at low indoor noise regime (below 55 dB(A)). In the presence of domestic activities, the indoor noise level increased while the outdoor level remained constantly at 70 dB(A), thus giving a horizontal trend line which further demonstrated that the indoor noise climate was dominated by domestic noise-generating activities instead of the outdoors. It is obvious to note that the outdoor noise environment of sample ID 109 was higher than that of the indoors and the minimum difference between the indoor-outdoor noise levels occurred at 0700, 1800 and 2000 hours while sharp indoor noise peaks were noticeable in the time history plot.

Similar findings were noted for sample ID 178 as for sample ID 109. The indoor and outdoor noise level possessed a positive linear correlation at low indoor noise regime (below 55 dB(A)). By increasing the indoor noise level further, a horizontal trend line was resulted which indicates the domination of domestic activities in contributing to the indoor noise climate other than that from the outdoors. Difference between the indoor and outdoor noise levels reached its minimum a number of times throughout the entire monitoring period when sharp indoor noise peaks were noticeable.

3.1.1.19 24-Hour Noise Monitoring at Residential Premises categorized as NE-19

Noise level arising from common noise generating activities is presented below.

Figure 3-37 24-hour Noise Monitoring for NE-19



24-hr monitoring of Sample ID 16

	Indoor Noise Level, dB(A)
L_D	59.8
L_E	64.0
L_N	54.4

The 24-hour indoor time history of sample ID 16 is depicted in Figure 3-37. Noise level at night time was relatively low as anticipated and less indoor noise-associated activities were spotted as opposed to daytime and evening time. A number of noise peaks were found throughout the day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of day and evening time was due to the presence of indoor domestic activities such as TV watching and conversation.

The highest value of 64.0 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained the occupants lived in and turned on TV while chatting which produced noise of up to 67 dB(A) during evening time. These activities dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 61 dB(A) and 73 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 173

	Indoor Noise Level, dB(A)
L_D	66.1
L_E	70.2
L_N	57.0

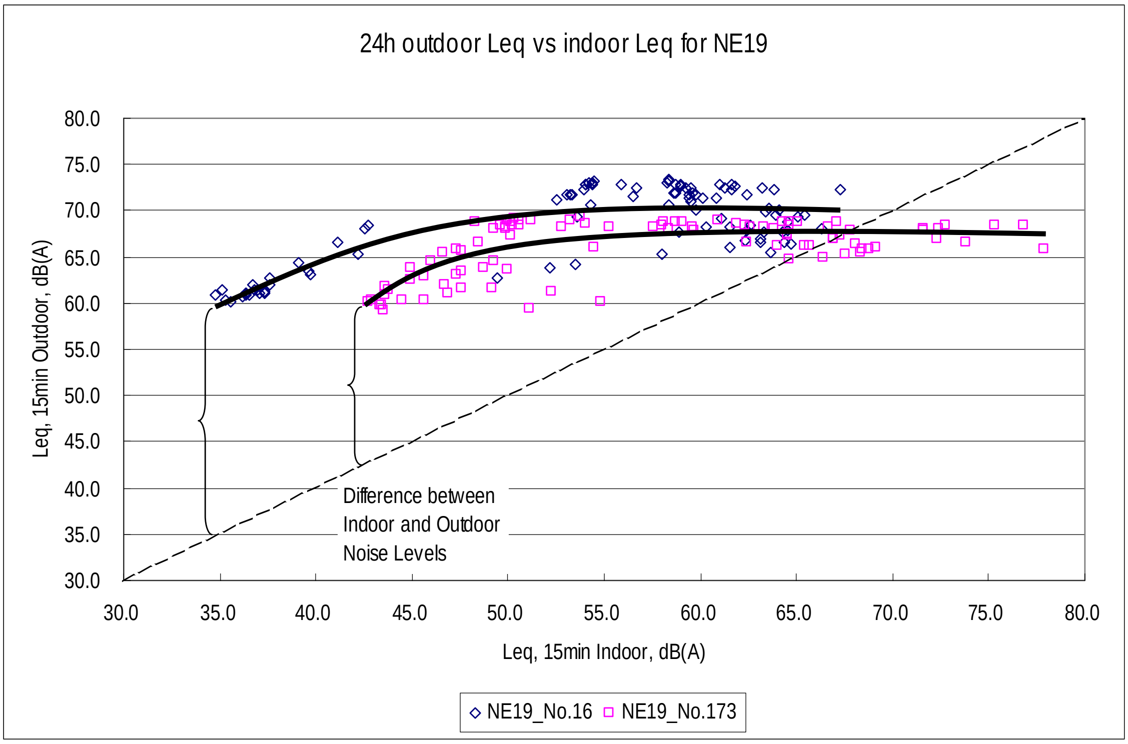
The 24-hour indoor time history of sample ID 173 is depicted in Figure 3-37. As previous, noise level measured at night time was relatively low due to less indoor noise-associated activities as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 5 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor domestic activities such as conversation.

The highest value of 70.2 dB(A) was noted for L_E in which the nosiest combined event in the evening was TV watching and conversation. This explained the presence of occupants and indoor activities which produced noise of up to 77 dB(A) during evening time. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 59 dB(A) and 69 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

Figure 3-38 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE19



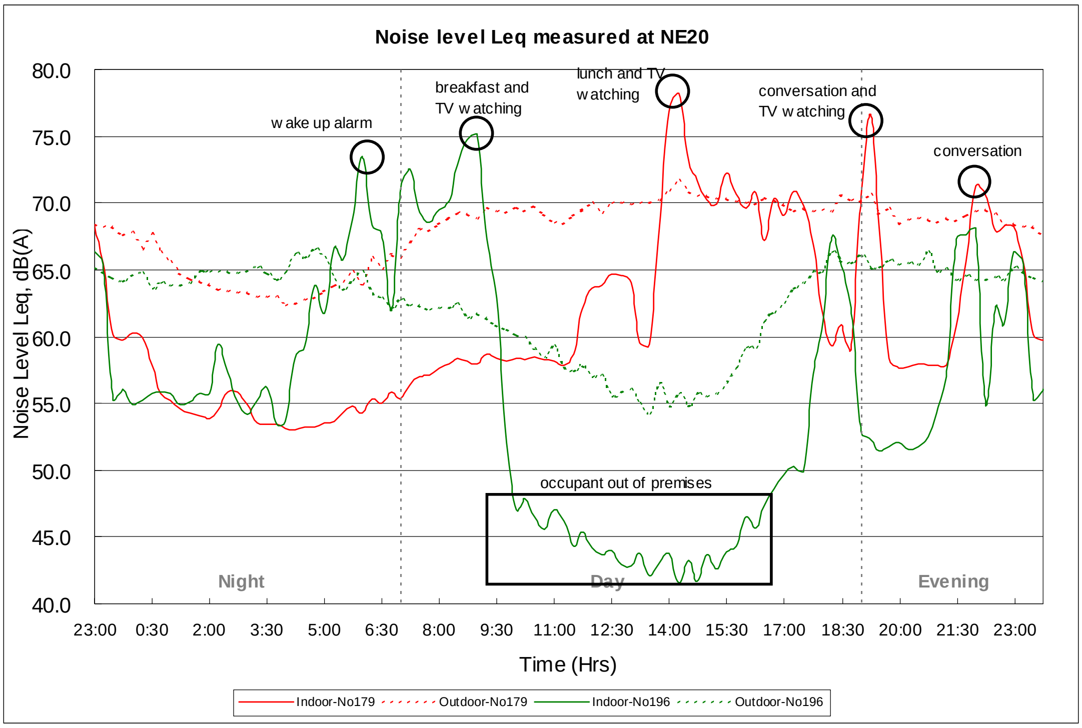
As illustrated in Figure 3-28, the indoor noise level of sample ID 16 was highly fluctuated within the range from 35 dB(A) to 68 dB(A). Such variation of the indoor noise level would be mainly contributed by indoor activities. On the contrary, a much narrow range between 60 dB(A) and 73 dB(A) was noted for outdoor noise level arising from road traffic noise. A positive linear correlation was first observed at low indoor noise regime (below 50 dB(A)). By increasing the indoor noise further, the trend line flattens thus indicating the independency of the indoor noise level from the outdoors. It further indicates that the indoor noise climate was dominantly contributed by domestic activities instead of the outdoors. Difference between the indoor-outdoor noise levels reached its minimum at 2030 hours.

A similar correlation was noted for sample ID 173 as for sample ID 16. The outdoor noise fell within the range between 60 dB(A) and 69 dB(A) while the indoor noise level fluctuated from 43 dB(A) to 78 dB(A). Such result indicated that the indoor noise level was independent of the outdoor noise environment and the indoor noise climate was dominated by indoor activities instead of outdoors. A number of minimum points were noted for the difference between indoor-outdoor noise levels due to the presence of sharp indoor noise peaks at various time periods.

3.1.1.20 24-Hour Noise Monitoring at Residential Premises categorized as NE-20

Noise level arising from common noise generating activities is presented below.

Figure 3-39 24-hour Noise Monitoring for NE-20



24-hr monitoring of Sample ID 179

	Indoor Noise Level, dB(A)
L_D	68.1
L_E	68.4
L_N	58.3

The 24-hour indoor time history of sample ID 179 is depicted in Figure 3-39. Noise level at night time was relatively low as anticipated and less indoor noise-associated activities were spotted as opposed to day and evening time. Majority of the noise peaks were found during meal hours. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 10 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of domestic activities such as TV watching and conversation.

The highest value of 68.4 dB(A) was noted for L_E and the nosiest combined event throughout the entire monitoring period was conversation and TV watching during day time. This explained the occupants lived in and watched TV while having meal which produced noise of up to 78 dB(A) during daytime. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 54 dB(A) and 67 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration as well as measurement locations are provided in Volume 2 of 2 of the Final Report.

24-hr monitoring of Sample ID 196

	Indoor Noise Level, dB(A)
L_D	65.4
L_E	61.5
L_N	63.6

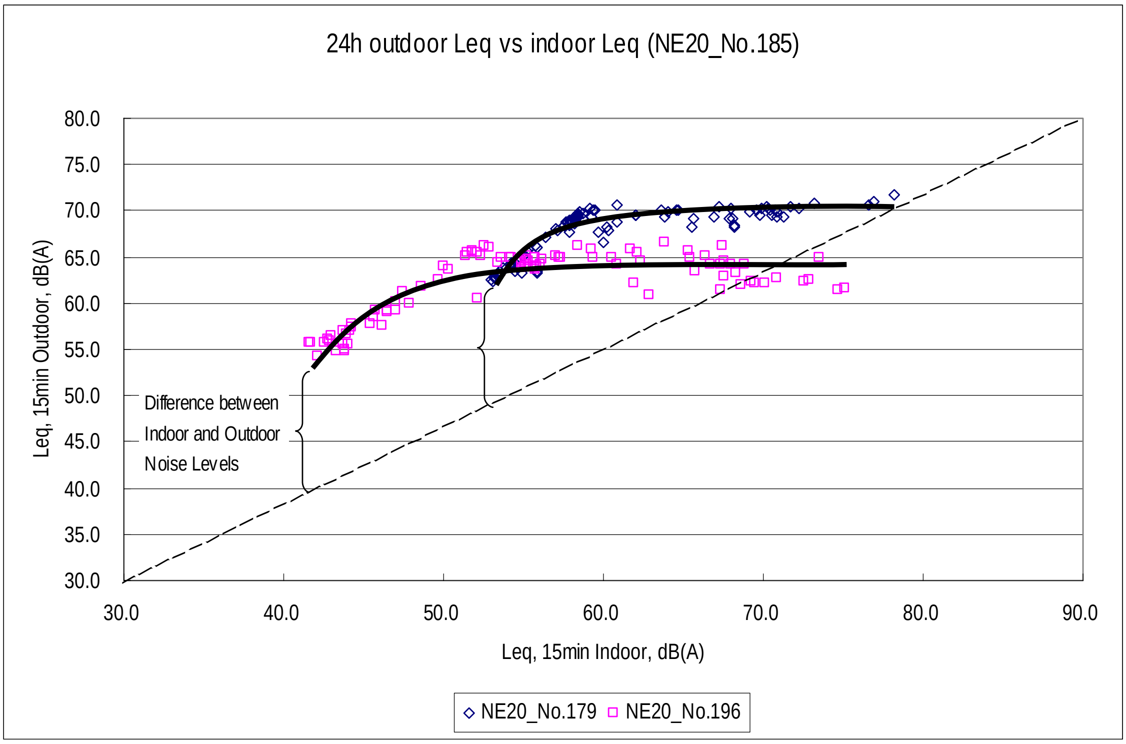
The 24-hour indoor time history of sample ID 196 is depicted in Figure 3-39. Noise levels recorded at night time was relatively low due to less indoor noise-associated activities as opposed to day and evening time. A number of noise peaks were found throughout day and evening time periods. These peaks were led by noise generating activities which caused an increase in the ambient noise level of more than 15 dB(A). A substantial increase in the noise levels of daytime and evening time was due to the presence of indoor activities such as TV watching and conversation.

The highest value of 65.4 dB(A) was determined for L_D in which the nosiest combined event in the day was observed during breakfast. This explained the occupants lived in and watched TV during breakfast which produced noise of up to 75 dB(A) during daytime. These activities, including TV watching and conversation, dominated the overall indoor noise climate.

For the purpose of comparison, concurrent outdoor measurement was conducted. From that, less peaky variation in outdoor noise climate which ranged between 54 dB(A) and 67 dB(A) was noted. The indoor noise level was in general lower than the outdoor and was considerably dominated by indoor noise sources when domestic activities were spotted. Under such circumstances, the indoor noise did not follow the pattern of the outdoor noise. This reflected that the variation of indoor noise was significantly due to indoor noise sources instead of the outdoors.

Details of the flat layout and window configuration are provided in Volume 2 of 2 of the Final Report.

Figure 3-40 24-hour Outdoor Noise Level Versus Indoor Noise Level for NE20



As illustrated in Figure 3-40, a positive linear correlation between the indoor and outdoor noise levels recorded at sample ID 179 was firstly noted at low indoor noise regime which lied between 42 dB(A) and 52 dB(A). By increasing the indoor noise level, a horizontal trend line was then resulted which indicates that the indoor noise climate was dominated by domestic activities. It is obvious to note that sample ID 179 immersed in an environment where the outdoor noise level was higher than the indoors. A number of minimum points were noted for the indoor-outdoor noise levels difference due to the presence of sharp indoor noise peaks at various time periods.

Similar findings were resulted for sample ID 196. As previous, a positive linear correlation was firstly noted at low indoor noise regime (below 50 dB(A)) while a horizontal trend line was then resulted by increasing the indoor noise level further. Such result indicated that the indoor noise level was independent of the outdoor noise environment and the indoor noise climate was dominated by indoor activities instead of outdoors. Difference between the indoor and outdoor noise level reached its minimum at approximately 0500, 0630, 0930, 1800, 2100, 2200, 2230 and 2300 hours when sharp indoor noise peaks were noticeable.

3.1.1.21 Summary of 24-hr monitoring

A total of 40 sets time history of 24-hour monitoring were conducted. As predicted, it was found that Leq at night were normally quieter and indoor environment of residential premises was generally lower than the outdoors. These explain that noisy domestic activities normally occur in day and evening time whereas most people rest at night.

Ordinary domestic activities such as watching TV, listening to music and conversation made peaky noise and had dominated the environment in the residential premises where people was lived in. These activities produced noise often louder than the outdoor levels. In assessment of indoor noise pattern of residential premises, it was found that individual behaviours and temporal factors played an important role in contributing to the overall indoor environment. Findings indicated that individual living patterns (such as mealtime, bedtime and window opening lifestyles) and time of live-in were very diverse. Such dissimilarities form particular characteristics to the indoor environments during the monitoring periods. In view of the above, no specific correlation was observed in relation to the effect of influencing factors and area types.

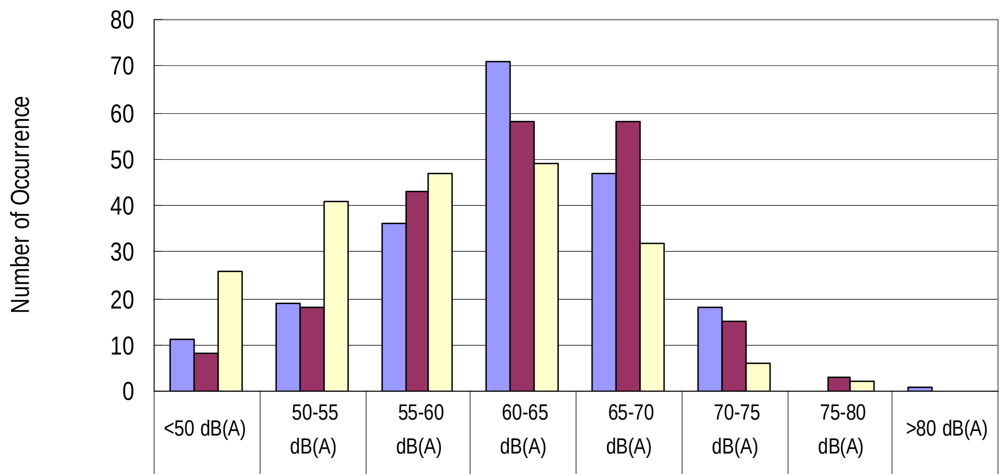
3.1.2 Normal Noise Monitoring at Residential Premises

Based on the preliminarily 24 hours round-the-clock monitoring at residential premises, it was obvious to note that dominant activities mainly occurred within the following two periods, 1800 – 1900 and 2300 – 2400 i.e. during meal hours and before bed-time, respectively.

To capture the representative noise levels associated with the household activities, normal noise monitoring at residential premises was intentionally scheduled to fall within the above mentioned time periods as far as possible. Noise levels recorded with respect to area types and influencing factors are presented in the following sections.

The range of noise levels (Leq15min) obtained during our Study period with respect to various time periods is depicted in Figure 3-41.

Figure 3-41 Relationship between Indoor Noise Levels vs Occurrence w.r.t. Monitoring Period



	<50 dB(A)	50-55 dB(A)	55-60 dB(A)	60-65 dB(A)	65-70 dB(A)	70-75 dB(A)	75-80 dB(A)	>80 dB(A)
Day	11	19	36	71	47	18	0	1
Evening	8	18	43	58	58	15	3	0
Night	26	41	47	49	32	6	2	0

Measured Indoor Noise Level (Average Leq_{15min}), dB(A)

Day Evening Night

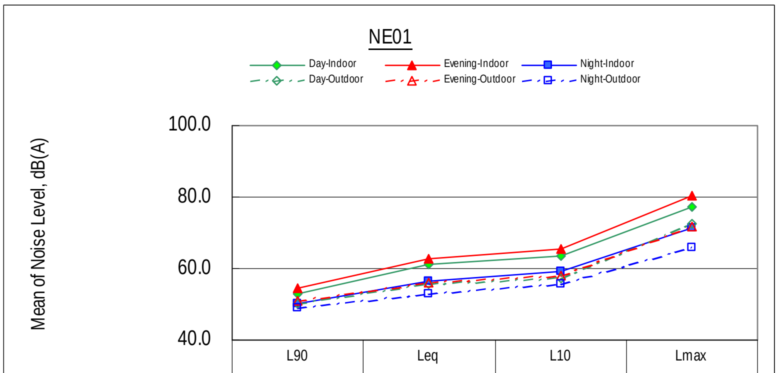
A preliminary analysis of the noise levels as obtained from the monitoring indicates that majority of the indoor noise level during daytime and night time fell between 60-65 dB(A) whereas noise level was noted to range between 60-70 dB(A) during evening.

The relatively low sound level recorded at daytime is due to the low occupancy during weekdays. It is common to note that most of the occupants were still at work or on their way to home while the noise monitoring was being carried out. A higher occupancy, and so did the noise level, was observed later when people returned home gradually after 7 pm for dinner. A wide range of noise generating activities, such as TV-watching and chatting, etc., were recorded during the evening measurement of which contributed significantly to the overall noise climate. The general trend of the noise level eventually fell within the range 55 – 60 dB(A) after 11:30 pm and it represented the general noise level experienced by the occupants before bed time. A further noise level reduction is anticipated arising from the occupancy drop in the living room and/or the change in noise generating activities. A general trend is observed, as expected, in this Study, for the overall noise level: the later the day, the quieter the place. Details will be discussed in the following paragraphs.

3.1.2.1 Normal Noise Monitoring at Residential Premises Categorized as NE-01

Residential premises located in rural area, including country parks or village type developments and not subject to any influencing factors fall into the NE01 category. The monitoring results L_{90}, L_{eq}, L_{10} and measured both indoor and outdoor are illustrated in Figure 3-42.

Figure 3-42 Measured Noise Level (NE-01)



	L90	Leq	L10	Lmax
Day-Indoor	53.0	61.1	63.6	77.4
Evening-Indoor	54.6	62.9	65.3	80.2
Night-Indoor	50.4	56.5	59.0	71.4
Day-Outdoor	50.3	55.6	57.4	72.5
Evening-Outdoor	51.1	56.0	58.0	71.7
Night-Outdoor	48.9	53.1	55.7	65.7

It is observed that residential premises fallen in this category are mainly low rise village type developments and typically are 3-storey high. These premises are usually located in remote areas. The previously outdoor noise levels, L_{90}, are found to be in range of 48.9 to 51.1 dB(A).

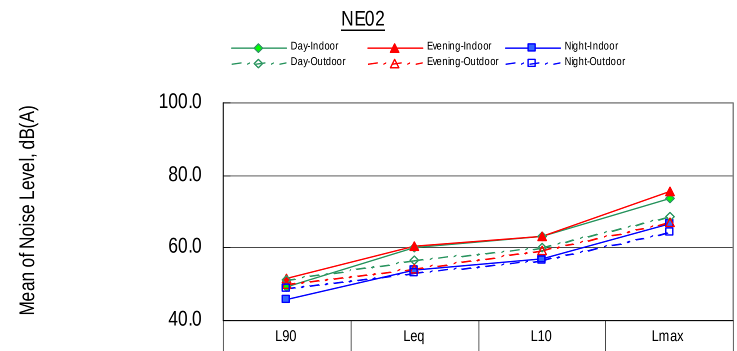
With the presence of in-house noise generating activities, the indoor noise climate was higher than that of the outdoor one as recorded during the three monitoring periods. It is found hat the common noise generating household activities include listening to music, TV, conversation, cooking and pet. Among these sources, a high L_{max} was resulted from occasional dog barking. In most events, the pet dogs were stayed indoor while only one case was reported for outdoor dog barking. All dogs belonged to the owners/ occupiers of the subject residential premises and they barked occasionally during the initial monitoring period for a few seconds when strangers (i.e. staffs who performed the noise measurement) were firstly spotted. According to the noise monitoring results, noise level arising from indoor dogs barking could reach 80.2 dB(A) which led to a high indoor $L_{max.}$.

The noise level at Evening time was generally higher than that at Day time and as expected, the lowest noise level was noted at Night time. This was due to an increase in occupancy and noise-generating activities noted at Evening time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.2 Normal Noise Monitoring at Residential Premises Categorized as NE-02

This category of residential premises is located in rural area, including country parks or village type developments and they are subject to indirect influence of major road. The acoustic monitoring results are illustrated in Figure 3-43.

Figure 3-43 Measured Noise Level (NE-02)



	L90	Leq	L10	Lmax
Day -Indoor	49.4	60.1	63.3	73.9
Evening-Indoor	51.6	60.3	63.3	75.5
Night-Indoor	45.8	53.8	57.1	66.9
Day -Outdoor	51.0	56.5	60.1	68.5
Evening-Outdoor	50.1	54.3	59.3	67.2
Night-Outdoor	48.9	53.2	56.6	64.4

Residential premises visited for this category mainly belonged to village type developments of 3-storey high. The ambient outdoor noise levels which ranged between 48.9 dB(A) and 51.0 dB(A) were comparable to that recorded at NE-01.

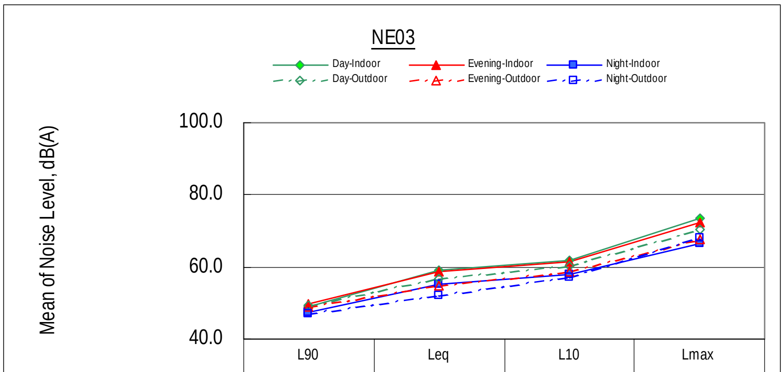
Various noises from music, TV, conversation as well as pet were observed during the entire monitoring period. Among these sources, a high Lmax at 90 dB(A) was resulted from occasional dog barking. All dogs belonged to the owners/occupants of the subject residential premises and they barked occasionally during the entire monitoring period for a few seconds when strangers (i.e. staffs who performed the noise measurement) were firstly spotted. Details of the noise level arising from various indoor noise activities will be discussed later in this chapter.

The noise level measured at both Day and Evening time periods was comparable while the lowest noise level was noted at night time. Without the influence of air conditioners, the indoor noise level finally dropped to a level similar to that recorded outdoor during night time when all the noise generating activities have ceased. The lack of occupancy as well as noise-generating activities noted at Night time monitoring reduced the indoor and outdoor noise level to 53.8 dB(A) and 53.2 dB(A), respectively.

3.1.2.3 Normal Noise Monitoring at Residential Premises Categorized as NE-03

This category of residential premises is located in rural area, including country parks or village type developments and they are subject to indirect influence of industrial area. The acoustic monitoring results are illustrated in Figure 3-44.

Figure 3-44 Measured Noise Level (NE-03)



	L90	Leq	L10	Lmax
Day-Indoor	48.9	59.3	62.0	73.7
Evening-Indoor	49.9	58.6	61.4	72.3
Night-Indoor	47.6	55.1	58.1	66.5
Day-Outdoor	49.2	56.7	60.3	70.2
Evening-Outdoor	49.1	54.9	58.8	67.6
Night-Outdoor	47.2	52.2	57.1	67.9

Residential premises visited for this category mainly belonged to village type developments of 3-storey high. The ambient outdoor noise levels which ranged between 47.2 to 49.2 dB(A) were comparable to that observed for NE01 and NE02. Due mainly to the enclosed nature of industrial buildings, noise propagated to the surrounding residential premises was not considered to be dominant. Furthermore, the absence of complex local roads and heavy vehicular flow in rural area led to the similarity in the ambient outdoor noise level.

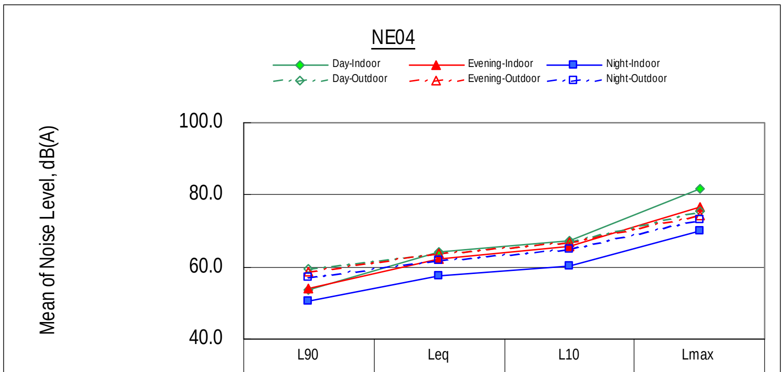
Various noises from TV, conversation, and pet were observed during the entire monitoring period. Other activity such as reading was also noted. Among these sources, noise level from occasional dog barking was recorded to be the highest reaching nearly 73.7 dB(A). With the presence of indoor noise generating activities, the indoor noise climate was generally higher than that of the outdoor noise level during the three monitoring periods.

The noise level at Evening time was comparable to that measured at Day time and as expected, the lowest indoor noise level was noted at Night time. This was strongly related to the household occupancy as well as the type and combination of the noise-generating activities. Details of the noise level arising from various indoor noise activities will be discussed later in this chapter.

3.1.2.4 Normal Noise Monitoring at Residential Premises Categorized as NE-04

This category of residential premises is located in rural area, including country parks or village type developments and they are subject to direct influence of major road. The acoustic monitoring results are illustrated in Figure 3-45.

Figure 3-45 Noise Level observed at NE-04



	L90	Leq	L10	Lmax
Day-Indoor	53.5	64.1	67.3	81.5
Evening-Indoor	53.9	62.1	65.6	76.4
Night-Indoor	50.6	57.4	60.3	69.9
Day-Outdoor	59.3	63.7	66.9	75.4
Evening-Outdoor	58.8	63.9	66.8	74.1
Night-Outdoor	57.3	61.7	65.0	73.3

Residential premises visited for this category mainly belonged to village type developments of 3-storey high. Under the direct influencing of major roads, a comparatively higher ambient outdoor noise level at 57.3 dB(A) and 59.3 dB(A) was resulted respectively for Night time and Day time monitoring.

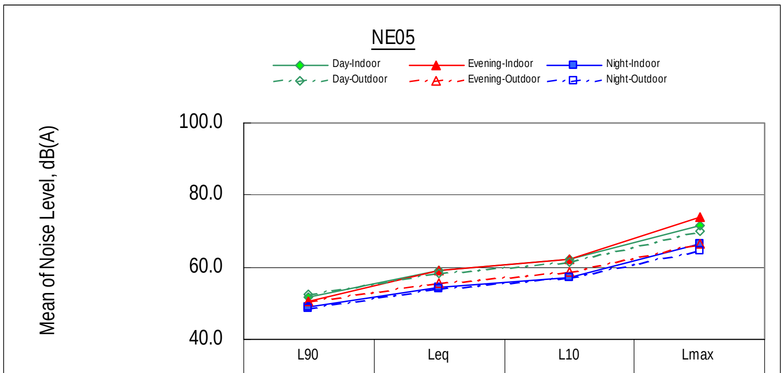
Various noises from TV, conversation, pet and cooking were observed during the entire monitoring period. Other activity such as reading was also noted. Among these noise sources, a high Lmax at 81.5 dB(A) was resulted for outdoor dog barking. All dogs noticed belong to the owners/occupants of the subject residential premises and they barked occasionally during the initial monitoring period consecutively for a few seconds when strangers (i.e. staffs who performed the noise measurement) were firstly spotted.

Under the direct influence of major road, the outdoor Lmax contributed by road noise could reach up to 75.4 dB(A) as determined from a premises located in proximity to Hiram's Highway in Sai Kung. Considering that a higher occupancy was noted during Day time, a higher indoor noise level was recorded. In response to the drop of traffic flow and household activities during Night time, the overall (Leq) outdoor and indoor noise levels were reduced to 61.7 and 57.4 dB(A) respectively.

3.1.2.5 Normal Noise Monitoring at Residential Premises Categorized as NE-05

This category of residential premises is located in rural area, including country parks or village type developments and they are subject to direct influence of industrial area. The acoustic monitoring results are illustrated in Figure 3-46.

Figure 3-46 Noise Level observed at NE-05



	L90	Leq	L10	Lmax
Day-Indoor	51.8	59.1	62.4	71.5
Evening-Indoor	50.4	59.0	62.0	73.8
Night-Indoor	48.9	54.3	57.1	66.6
Day-Outdoor	52.5	58.2	61.5	70.1
Evening-Outdoor	50.4	55.5	58.7	66.5
Night-Outdoor	48.4	53.9	57.0	64.7

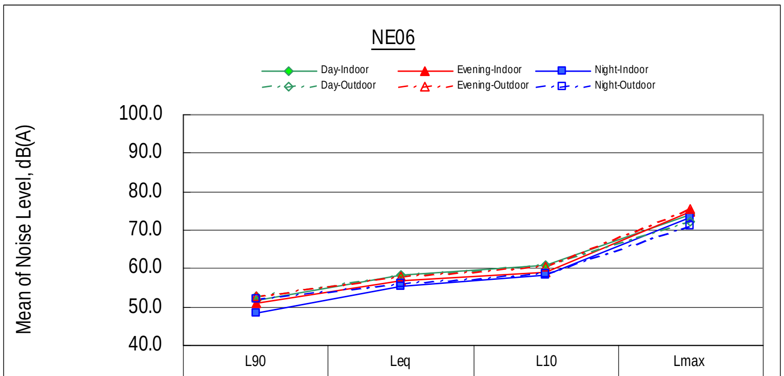
Residential premises visited for this category mainly belonged to village type developments of 3-storey high. The ambient outdoor noise levels which ranged between 48.5 and 52.5 dB(A) were comparable to that observed for NE01 and NE03. In view of this, no noticeable noise from the influencing factor was noted in the sampling sites.

Various noise sources arising from conversation, TV, pet and cooking were observed during the entire monitoring period. Other activity such as reading was also noted. For this area category, dog was the only pet type involved. As they were noticed to be distant away from the noise monitoring points, noise contribution from occasional dog barking was considered to be insignificant. Among the above noise sources mentioned, noise level from TV was recorded to be the highest reaching nearly 73.8 dB(A).

3.1.2.6 Normal Noise Monitoring at Residential Premises Categorized as NE-06

This category of residential premises is located in low density residential area consisting of low-rise or isolated high rise developments which is not subject to any influencing factors. The acoustic monitoring results are illustrated in Figure 3-47.

Figure 3-47 Noise Level observed at NE-06



	L90	Leq	L10	Lmax
Day-Indoor	51.9	58.2	60.7	74.1
Evening-Indoor	51.1	56.9	59.1	74.8
Night-Indoor	48.3	55.5	58.4	73.4
Day-Outdoor	52.8	58.3	60.9	72.1
Evening-Outdoor	52.7	57.8	60.5	75.4
Night-Outdoor	52.1	56.2	58.6	71.1

Residential premises visited for this category were mainly low-rise developments. The ambient outdoor noise level was recorded to range between 52.1 and 52.8 dB(A) which was comparatively higher than that noted in NE01.

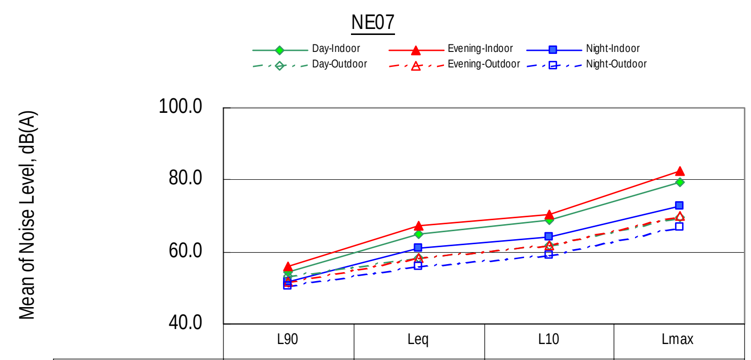
Various noises from conversation, TV, music, pet and radio were noted during the monitoring period. For this category, dog was the only pet type involved. Among the above noise sources mentioned, the highest Lmax of 74.8 dB(A) was resulted from occasional indoor dog barking consecutively for a few seconds.

For the concerned premises, the indoor noise level at Night time was approximately 1 dB(A) lower than that recorded at both Day and Evening times. This was due mainly to the stoppage of noise generating activities at Night time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.7 Normal Noise Monitoring at Residential Premises Categorized as NE-07

This category of residential premises is located in low density residential area consisting of low-rise or isolated high rise developments which is subject to indirect influence of major road. The acoustic monitoring results are illustrated in Figure 3-48.

Figure 3-48 Noise Level observed at NE-07



	L90	Leq	L10	Lmax
Day-Indoor	54.6	64.9	68.8	79.5
Evening-Indoor	55.9	67.3	70.6	82.3
Night-Indoor	51.8	61.0	64.1	72.7
Day-Outdoor	53.1	58.1	61.7	69.7
Evening-Outdoor	51.5	58.5	61.8	70.0
Night-Outdoor	50.5	56.1	59.0	67.0

Residential premises visited for this category were mainly low-rise developments. The ambient outdoor noise level was recorded to range between 50.5 and 53.1 dB(A) which was comparatively higher than the results recorded at NE06.

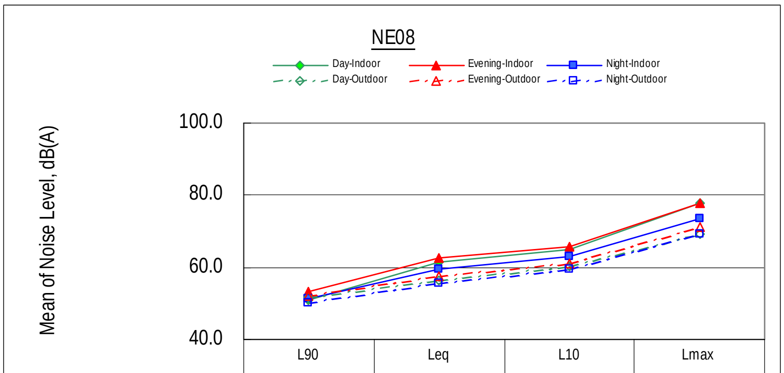
With the presence of in-house noise generating activities, the indoor noise climate was higher than the outdoor noise level during the entire three monitoring periods. Various noise sources including mahjong playing, conversion, TV and Pet were observed during the entire monitoring period. Other non-noise generating activity such as reading was also noted. For this category, dog was the only pet type involved. Among noise sources mentioned above, instantaneous noise level from playing mahjong was recorded to be the highest which reached up to 82.3 dB(A).

The noise level at Evening time was comparatively highly than that recorded at Day time and as expected, the lowest noise level was noted at Night time. This was due to the increased in occupancy as well as the involvement of mahjong playing at Evening time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.8 Normal Noise Monitoring at Residential Premises Categorized as NE-08

This category of residential premises is located in low density residential area consisting of low-rise or isolated high-rise developments and which is subject to indirect influence of industrial area. The acoustic monitoring results area illustrated in Figure 3-49.

Figure 3-49 Noise Level observed at NE-08



	L90	Leq	L10	Lmax
Day-Indoor	51.1	61.4	65.0	77.9
Evening-Indoor	53.4	62.7	65.5	77.8
Night-Indoor	51.2	59.3	62.9	73.3
Day-Outdoor	51.7	56.2	60.4	69.4
Evening-Outdoor	52.0	57.7	61.2	71.3
Night-Outdoor	50.3	55.7	59.7	69.3

Residential premises visited for this category were mainly low-rise developments. The ambient outdoor noise level was recorded to range between 50.3 and 52.0 dB(A) which was comparable to those measured at NE06 and NE07.

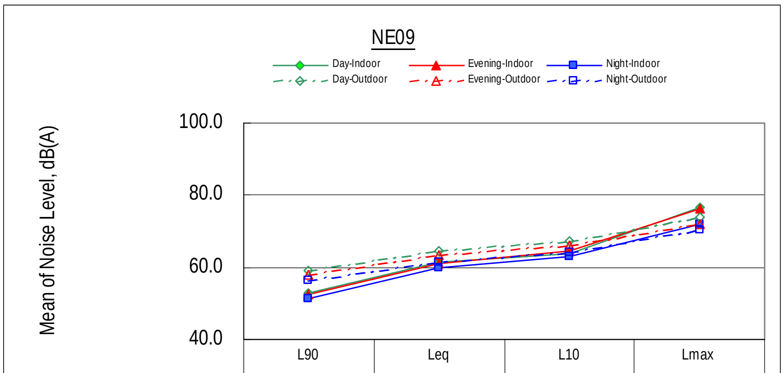
With the presence of in-house noise generating activities, the indoor noise climate was higher than the outdoor noise level during the entire three monitoring periods. Various noises from conversion, TV, mahjong, pet and BBQ were observed during the monitoring period. Other non-noise generating activity such as reading was also noted. For this category, dog and goldfish were the pet types involved. Amongst the above noise sources, noise level from mahjong was noticed to be the highest in terms of Leq, reaching 77.9 dB(A).

The noise level at Evening time was comparatively highly than that recorded at Day time and as expected, the lowest noise level was noted at Night time. This was due to the increased in occupancy as well as the involvement of mahjong playing at Evening time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.9 Normal Noise Monitoring at Residential Premises Categorized as NE-09

This category of residential premises is located in low density residential area consisting of low-rise or isolated high rise developments which is subject to direct influence of major road. The acoustic monitoring results are illustrated in Figure 3-50.

Figure 3-50 Noise Level observed at NE-09



	L90	Leq	L10	Lmax
Day-Indoor	52.8	61.2	63.9	76.6
Evening-Indoor	52.3	61.1	64.6	76.1
Night-Indoor	51.4	59.7	62.9	72.1
Day-Outdoor	59.0	64.6	67.5	73.9
Evening-Outdoor	57.8	63.5	66.0	72.1
Night-Outdoor	56.3	61.5	64.2	70.2

Residential premises visited for this category were mainly low-rise developments. The ambient outdoor noise level ranged between 56.3 and 59.0 dB(A) which was comparatively higher than that measured at NE06 and NE09.

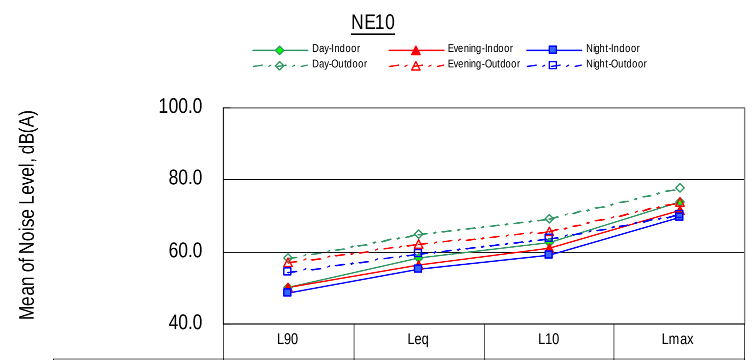
Various noises from conversation, TV and pet were noted during the monitoring period. For this category, dog was the only pet type involved. Among the above noise sources noted, noise level from occasional indoor dog barking was recorded to be the highest in terms of Lmax, reaching up to 76.6 dB(A). The dog belonged to the owners/occupants of the subject residential premises and it barked occasionally during the initial monitoring period for a few seconds when strangers (i.e. staffs who performed the noise measurement) were firstly spotted.

For the concerned premises, the indoor noise level at Night time was generally 1 dB(A) lower than that recorded at both Day and Evening times. This was due mainly to the stoppage of noise generating activities at Night time. Under the direct influence of major road, a comparatively higher outdoor noise was noted at day and evening time. The highest outdoor noise level was observed at Day time due mainly to the high usage rate and it eventually decreased with time which led to the drop in outdoor noise level at Night time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.10 Normal Noise Monitoring at Residential Premises Categorized as NE-10

This category of residential premises is located in low density residential area consisting of low-rise or isolated high rise developments which is subject to direct influence of industrial area. The acoustic monitoring results are illustrated in Figure 3-51.

Figure 3-51 Noise Level observed at NE-10



	L90	Leq	L10	Lmax
Day-Indoor	50.3	58.5	62.5	74.0
Evening-Indoor	50.2	56.6	60.9	71.7
Night-Indoor	48.5	55.1	59.2	69.5
Day-Outdoor	58.5	65.0	69.1	77.7
Evening-Outdoor	57.0	62.1	65.6	73.8
Night-Outdoor	54.4	59.5	63.6	70.5

Residential premises visited for this category were mainly low-rise developments. Under the direct influence of Industrial area, a higher ambient outdoor noise levels between 54.4 and 58.5 dB(A) was noted when compared to those recorded at NE06 and NE08.

With the presence of industrial area as well as local roads, the outdoor noise climate was higher than the indoor noise level. As revealed by the noise monitoring results, local traffics played a major role in contributing to the overall outdoor noise level after the industrial-induced activities have ceased during both Evening and Night time.

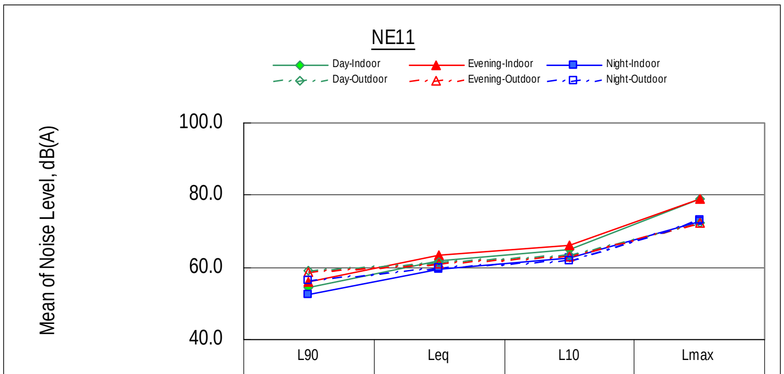
Various noises from conversation, TV, pets and cooking were noted during the monitoring period. Other non-noise generating activity such as reading was also noted. For this category of category, cat and dog were the pet types involved. Amongst the above mentioned noise sources, noise from TV was recorded to produce the highest Lmax value of 77 dB(A).

For the concerned premises, the indoor noise level at Night time was generally 1 to 2 dB(A) lower than that recorded at both Day and Evening times. This was due mainly to the stoppage of noise generating activities at Night time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.11 Normal Noise Monitoring at Residential Premises Categorized as NE-11

This category of residential premises is located in urban area subject to no impact from any influencing factor. The acoustic monitoring results are illustrated in Figure 3-52.

Figure 3-52 Noise Level observed at NE-11



	L90	Leq	L10	Lmax
Day-Indoor	54.3	61.9	65.1	78.9
Evening-Indoor	56.0	63.4	66.3	78.9
Night-Indoor	52.4	59.5	62.6	72.9
Day-Outdoor	59.1	61.6	63.6	72.4
Evening-Outdoor	58.6	61.2	63.1	72.5
Night-Outdoor	56.4	59.9	61.9	73.0

Residential premises visited for this category mainly belonged to high-rise building. The ambient outdoor noise level as recorded to range between 56.4 and 59.1 dB(A) which was higher than that noted in both NE01 and NE06.

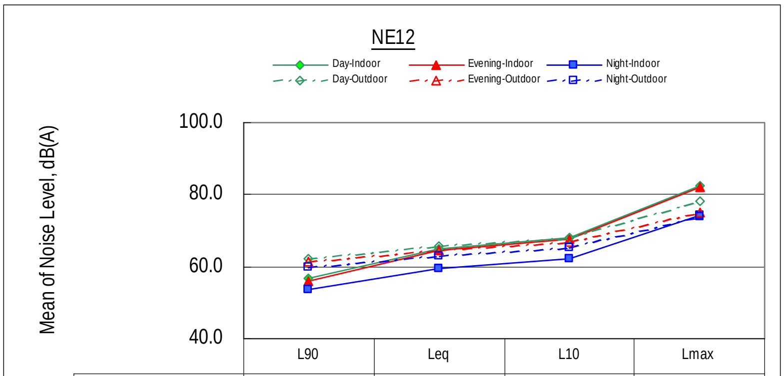
With the presence of in-house noise generating activities, the indoor noise climate was generally higher than that of the outdoor one, particularly during the Evening time period. Various noise sources including conversation, TV, pet and cooking were noted during the monitoring periods. For this category, dog was the only pet type involved. The pet dogs were kept indoor for all cases studied. They were all belonged to the owners/occupants of the subject residential premises. Occasional dog barking was heard continuously for a few seconds during the initial monitoring period when strangers (i.e. staffs who performed the noise measurement) were firstly spotted. Amongst all the above mentioned noise source, the noise level arising from both TV and conversation was recorded to produce the highest Lmax of 78.9 dB(A).

The noise level at Evening time was generally higher than that at Day time and as expected, the lowest noise level was noted at Night time. This was due to the increased occupancy noted at Evening time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.12 Normal Noise Monitoring at Residential Premises Categorized as NE-12

This category of residential premises is located in urban area subject to indirect influence of major road. The acoustic monitoring results are illustrated in Figure 3-53.

Figure 3-53 Noise Level observed at NE-12



	L90	Leq	L10	Lmax
Day-Indoor	56.7	64.8	68.2	82.4
Evening-Indoor	56.1	64.5	67.7	82.1
Night-Indoor	53.6	59.5	62.1	74.2
Day-Outdoor	62.2	65.9	67.9	78.3
Evening-Outdoor	61.3	64.5	66.7	75.0
Night-Outdoor	59.7	63.0	65.2	74.1

Residential premises visited for this category were mainly high-rise developments. The ambient outdoor noise level ranged between 59.7 and 62.2 dB(A) which was 2 dB(A) higher than that recorded at NE11.

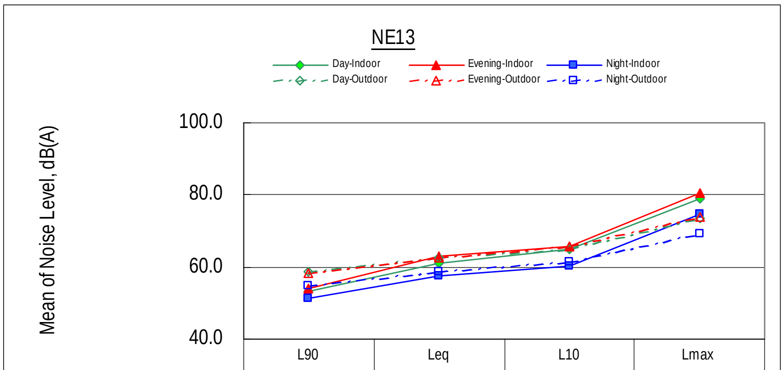
Various noises from conversation, TV and pet were noted during the monitoring period. Other non-noise generating activity such as reading was also noted. For this category, bird was the only pet type involved and was noted to have insignificant impact on the acoustic measurement. Amongst the above mentioned noise sources, TV produced the highest Lmax value of 82.4 dB(A).

For the concerned premises, the indoor noise level at Night time was generally 5 dB(A) lower than that recorded at both Day and Evening times. This was due mainly to the eventual stoppage of noise generating activities at night. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.13 Normal Noise Monitoring at Residential Premises Categorized as NE-13

This category of residential premises is located in urban area subject to indirect influence of industrial area. The acoustic monitoring results are illustrated in Figure 3-54.

Figure 3-54 Noise Level observed at NE-13



	L90	Leq	L10	Lmax
Day-Indoor	53.2	61.1	65.0	78.8
Evening-Indoor	54.2	62.8	65.8	80.4
Night-Indoor	51.3	57.6	60.4	74.5
Day-Outdoor	58.7	62.5	65.1	73.5
Evening-Outdoor	58.4	62.5	65.8	73.8
Night-Outdoor	55.0	58.5	61.5	69.4

Residential premises visited for this category were mainly high-rise buildings. The ambient outdoor noise level was recorded to range between 55.0 and 58.7 dB(A) which was comparable to that recorded at NE11.

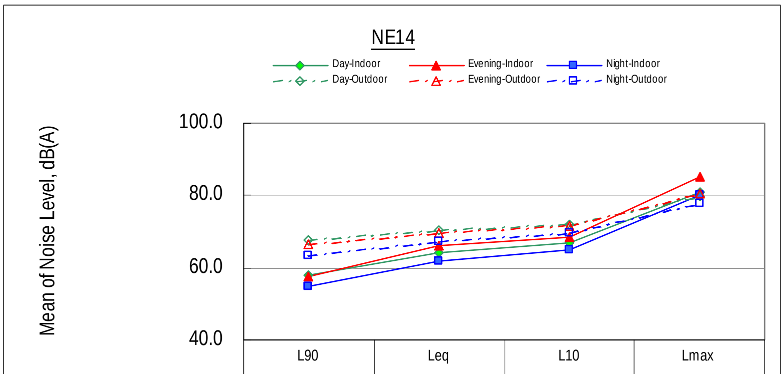
Various noise sources including conversation and TV were noted during the monitoring period. Amongst these two noise sources, TV watching was observed to be the dominant noise source leading to a high Lmax of 80.4 dB(A).

For the concerned premises, the indoor noise level at Night time was generally 3 to 5 dB(A) lower than that recorded at both Day and Evening times. This might arise from the stoppage of noise generating activities at Night time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.14 Normal Noise Monitoring at Residential Premises Categorized as NE-14

This category of residential premises is located in urban area subject to direct influence of major road. The acoustic monitoring results are illustrated in Figure 3-55.

Figure 3-55 Noise Level observed at NE-14



	L90	Leq	L10	Lmax
Day-Indoor	57.7	64.2	66.8	81.0
Evening-Indoor	57.6	65.9	68.5	85.4
Night-Indoor	54.9	61.9	64.9	80.3
Day-Outdoor	67.8	70.4	72.1	79.5
Evening-Outdoor	66.6	69.8	71.7	80.7
Night-Outdoor	63.2	67.2	69.5	77.8

Residential premises visited for this category were mainly high-rise buildings. The ambient outdoor noise level was recorded to range between 63.2 and 67.8 dB(A) which was comparatively higher than that noted at NE11 and NE12.

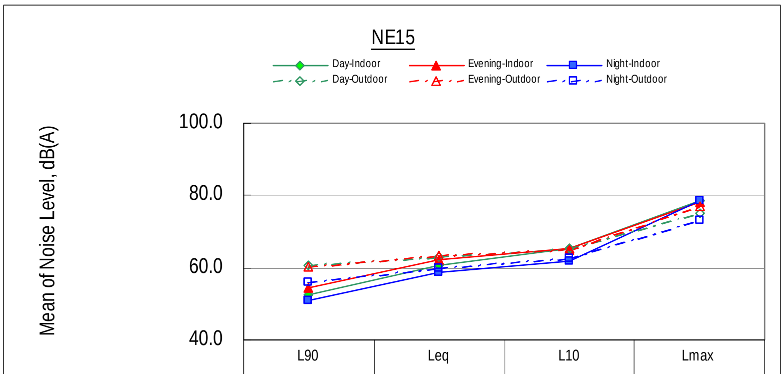
Under the direct influence of major road, a comparatively higher outdoor noise level which ranged between 67.2 and 70.4 dB(A) was resulted. The highest outdoor noise level was observed at Day time due mainly to the high usage rate and it eventually decreased with time which led to the drop in outdoor noise level at Night time.

Various noises from conversation and TV were noted. Amongst these two noise sources, TV watching was observed to be the dominant indoor noise source contributing to a high Lmax value of 85.4 dB(A). The noise level at Evening time was generally higher than that at Day time and as expected, the lowest noise level was noted at Night time. This was due to an increase in occupancy as well as the involvement of noise-generating activities at Evening time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.15 Normal Noise Monitoring at Residential Premises Categorized as NE-15

This category of residential premises is located in urban area subject to direct influence of industrial area. The acoustic monitoring results are illustrated in Figure 3-56.

Figure 3-56 Noise Level observed at NE-15



	L90	Leq	L10	Lmax
Day-Indoor	52.6	60.6	65.3	78.7
Evening-Indoor	54.3	62.3	65.1	78.0
Night-Indoor	50.8	58.5	61.7	78.4
Day-Outdoor	60.7	63.0	65.2	75.0
Evening-Outdoor	60.4	63.2	65.1	76.9
Night-Outdoor	56.0	59.7	62.4	73.0

Residential premises visited for this category were mainly high-rise buildings. The ambient outdoor noise level was recorded to range between 56.0 and 60.7 dB(A) which was comparatively higher than that noted for NE11 and NE13.

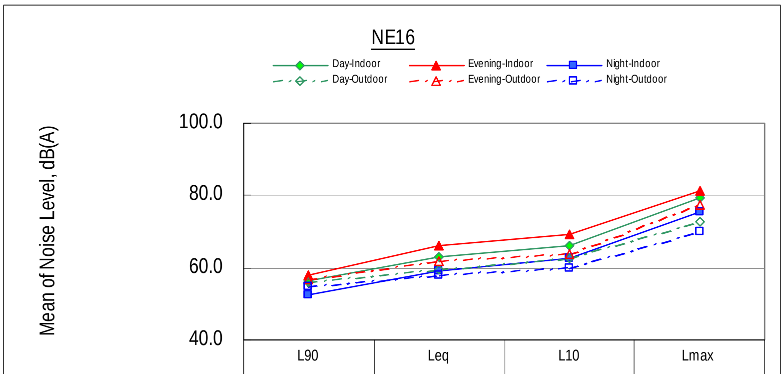
Various noises from conversation, TV, pet, cooking and music listening were noted during the monitoring period. For this category, gold fish was the only pet type involved. In accordance with the acoustic monitoring record, the noise arising from the peripheral equipment for keeping gold fish did not contribute significantly to the overall noise level. Among the above mentioned noise sources, noise produced from TV watching contributed to a high Lmax value of 78.7 dB(A).

The noise level at Evening time was generally higher than that at Day time and as expected, the lowest noise level was noted at Night time. This might due to the increased in occupancy as well as the involvement of noise-generating activities as listed above at Evening time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.16 Normal Noise Monitoring at Residential Premises Categorized as NE-16

This category of residential premises is located in other area and not subject to any influencing factors. The acoustic monitoring results are illustrated in Figure 3-57.

Figure 3-57 Noise Level observed at NE-16



	L90	Leq	L10	Lmax
Day-Indoor	56.2	63.1	66.3	79.3
Evening-Indoor	58.0	66.1	69.3	81.2
Night-Indoor	52.4	59.0	62.4	75.5
Day-Outdoor	55.8	59.4	62.6	72.8
Evening-Outdoor	56.7	62.0	63.9	77.3
Night-Outdoor	54.7	58.0	60.0	70.2

Residential premises visited for this category comprised of village type development as well as high-rise residential developments. As reveal by the above, the ambient outdoor noise level was noted to range between 54.7 and 56.7 dB(A) which was comparatively higher than that recorded at NE01 and NE06.

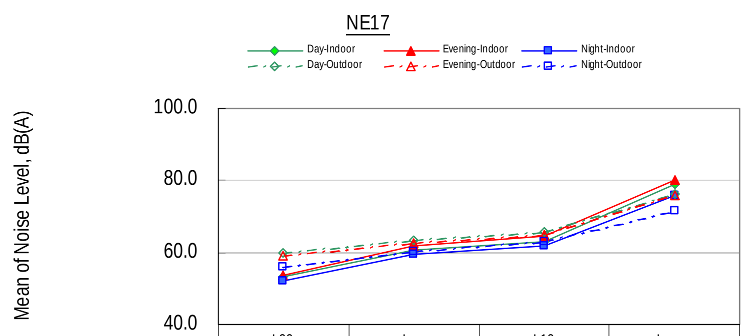
With the presence of dominant indoor noise generating activities, the indoor noise climate was higher than the outdoor noise level during the entire three monitoring periods. Various noise sources including conversation, TV, TV games, music and pet were noted. Occasional crying noises from infant were also noted in one of the monitoring sites, giving a Lmax value of 81.2 dB(A). For this category, gold fish was the only pet type involved. Amongst these noise sources mentioned above, TV watching was again observed to be the dominant noise source given a high Lmax value of 75.5 dB(A) at night time.

The noise level at Evening time was comparatively highly than that recorded at Day time and as expected, the lowest noise level was noted at Night time. This was due to the increased in occupancy as well as the involvement of indoor noise-generating activities during Evening time. Details of the noise level arising from various indoor noise-generating activities will be discussed later in this chapter.

3.1.2.17 Normal Noise Monitoring at Residential Premises Categorized as NE-17

This category of residential premises is located in other area which is subject to indirect influence of major road. The acoustic monitoring results are illustrated in Figure 3-58.

Figure 3-58 Noise Level observed at NE-17



	L90	Leq	L10	Lmax
Day-Indoor	53.3	60.6	63.0	79.0
Evening-Indoor	53.5	61.7	64.4	80.0
Night-Indoor	52.1	59.3	61.6	75.7
Day-Outdoor	59.7	63.4	65.5	76.1
Evening-Outdoor	58.9	62.7	64.9	75.7
Night-Outdoor	56.1	60.4	63.0	71.7

Residential premises visited for this category comprised of village type and high-rise developments. The ambient outdoor noise level was noted to range between 56.1 and 59.7 dB(A) which was comparatively higher than that obtained for NE16.

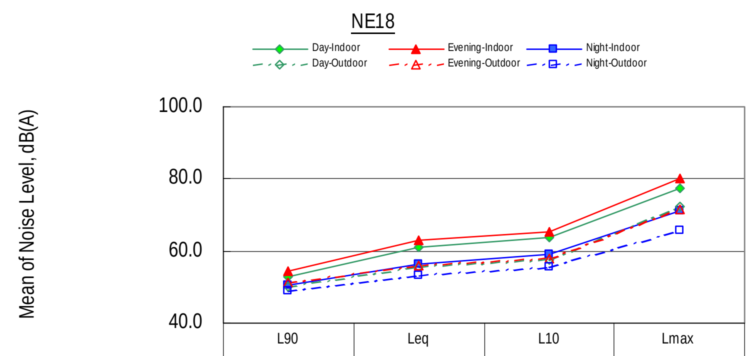
Various noises from conversation, TV and Pet were observed during the monitoring period. For this category, gold fish was the only pet type involved. Amongst these noise sources mentioned above, TV watching was again observed to be the dominant indoor noise source contributing a high Lmax value of 80.0 dB(A).

The indoor noise level at Evening time was comparatively highly than that recorded at Day time and as expected, the lowest noise level was noted at Night time. This was due to the increased in occupancy as well as the involvement of noise-generating activities at Evening time. Details of the noise level arising from various indoor noise-generating activities will be discussed later in this chapter.

3.1.2.18 Normal Noise Monitoring at Residential Premises Categorized as NE-18

This category of residential premises is located in other area which is subject to indirect influence of industrial area. The acoustic monitoring results are illustrated in Figure 3-59.

Figure 3-59 Noise Level observed at NE-18



	L90	Leq	L10	Lmax
Day-Indoor	53.0	61.1	63.6	77.4
Evening-Indoor	54.6	62.9	65.3	80.2
Night-Indoor	50.4	56.5	59.0	71.4
Day-Outdoor	50.3	55.6	57.4	72.5
Evening-Outdoor	51.1	56.0	58.0	71.7
Night-Outdoor	48.9	53.1	55.7	65.7

Residential premises visited for this category comprised of village type and high-rise developments. The ambient outdoor noise level was noted to range between 48.9 and 51.1 dB(A).

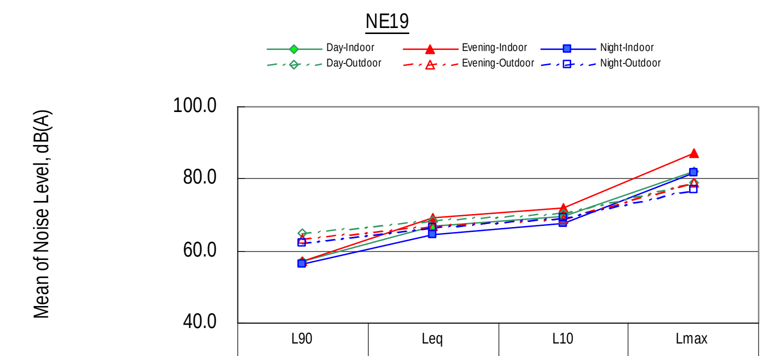
Various noises from conversation and TV were noted during the monitoring period. Other non-noise generating activity such as reading was also noted. Amongst these noise sources mentioned above, TV watching was again observed to be the dominant noise source contributing to a high Lmax value of 80.2 dB(A).

The indoor noise level at Evening time was comparatively highly than that recorded at Day time and as expected, the lowest noise level was noted at Night time. This was due to the increased in occupancy as well as the involvement of noise-generating activities as mentioned above at Evening time. Details of the noise level arising from various indoor noise-generating activities will be discussed later in this chapter.

3.1.2.19 Normal Noise Monitoring at Residential Premises Categorized as NE-19

This category of residential premises is located in other area which is subject to direct influence of major road. The acoustic monitoring results are illustrated in Figure 3-60.

Figure 3-60 Noise Level observed at NE-19



	L90	Leq	L10	Lmax
Day-Indoor	57.1	66.8	69.5	82.2
Evening-Indoor	57.3	69.3	71.8	87.3
Night-Indoor	56.4	64.7	67.5	81.8
Day-Outdoor	64.8	68.4	70.3	78.9
Evening-Outdoor	63.6	66.9	68.8	78.8
Night-Outdoor	62.1	66.4	69.1	77.0

Residential premises visited for this category comprised of village type and high-rise developments. The ambient outdoor noise level was noted to range between 62.1 and 64.8 dB(A) which was comparatively higher than that obtained at NE16 and NE18.

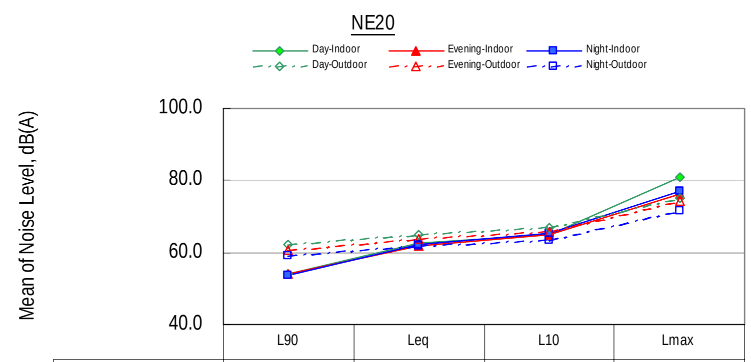
With the presence of indoor noise-generating activities, the indoor noise climate was generally higher than the outdoor noise level during Evening time. Various noises from conversation and TV were noted during the monitoring period. Amongst these noise sources mentioned above, TV watching was again observed to be the dominant noise source contributing to a high Lmax value of 87.3 dB(A).

The noise level at Evening time was comparatively highly than that recorded at Day time and as expected, the lowest noise level was noted at Night time. This was due to the increased in occupancy as well as the involvement of noise-generating activities at Evening time. Details of the noise level arising from various indoor noise generating activities will be discussed later in this chapter.

3.1.2.20 Normal Noise Monitoring at Residential Premises Categorized as NE-20

This category of residential premises is located in other area which is subject to direct influence of industrial area. The acoustic monitoring results are illustrated in Figure 3-61.

Figure 3-61 Noise Level observed at NE-20



	L90	Leq	L10	Lmax
Day-Indoor	54.1	62.7	64.8	80.9
Evening-Indoor	53.9	61.7	65.0	76.1
Night-Indoor	53.5	62.3	65.3	76.9
Day-Outdoor	62.2	65.1	66.9	74.9
Evening-Outdoor	60.5	63.8	65.7	74.3
Night-Outdoor	59.0	61.6	63.6	71.5

Residential premises visited for this category comprised of village type and high-rise developments. The ambient outdoor noise level was noted to range between 59.0 and 62.2 dB(A) which was comparatively higher than that obtained for NE16 and NE18.

Various noises from conversation, TV and pet were noticed during the monitoring period. For this category, dog was the only pet type involved. The dog belonged to the owners/occupants of the subject residential premises and they barked occasionally during the initial monitoring period for a few seconds when strangers (i.e. staffs who performed the noise measurement) were firstly spotted. Amongst all the above mentioned noise source, noise level from both TV and conversation was recorded to contribute to a high Lmax value of 80.9 dB(A). Details of the noise level arising from various indoor noise generating activities are discussed in the following sections.

3.1.3 Indoor Noise Level with respect to Indoor Noise Generating Activities

3.1.3.1 Noise Generating Sources

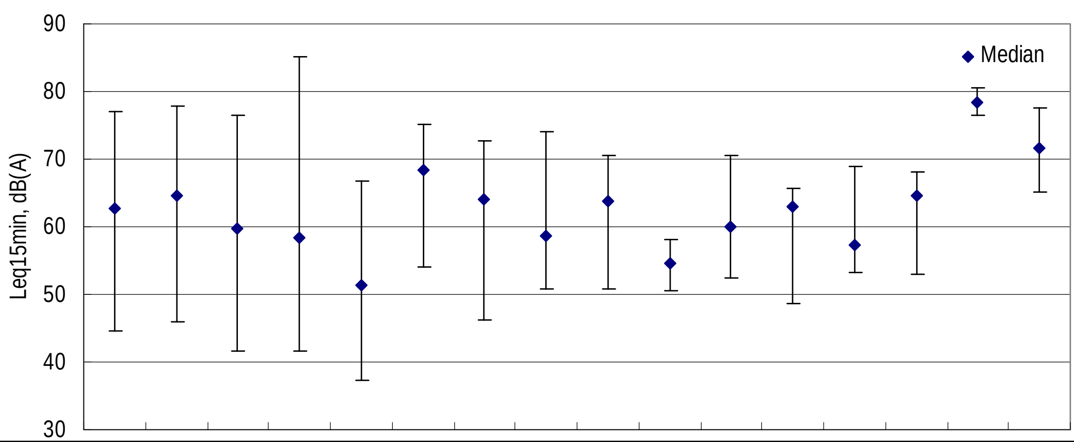
Based on the noise monitoring results, household activities and indoor noise contributors observed during the noise measurement at residential premises including the followings:-

(a) Mahjong playing;
(b) Party;
(c) TV including real-time broadcast, and video-playing;
(d) Conversation between people;
(e) Audio system including radio, Hi-Fi, and CD player;
(f) Cooking; and
(g) Pet.

In this Study, both face-to-face conversation and telephone conversation fall into the noise source type (a) as mentioned above. Pet is a broad term defining noise arising either from pet, e.g. dog barking, or from pet's associated noise. Noise generates from a fish tank filtering system is a common example in this Study.

To consider the effect of each and a combination of household activities on indoor noise levels, the results are discussed in the following sections in descending order of occurrence. The noise level recorded for the commonly spotted events, or combined events, is illustrated in Figure 3-62.

Figure 3-62 Noise Levels (Leq,15min) Generated from Various Domestic Activities



Activities																
TV	✓	✓				✓	✓	✓						✓		✓
Conversation	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓
Music									✓	✓						
Pet		✓		✓									✓	✓	✓	
Majong															✓	
Party																✓
Reading					✓			✓						✓		
Cooking							✓				✓					
Renovation												✓				
Noise Level, dB(A)																
Max	77.0	77.9	76.6	85.1	66.7	75.1	72.6	74.1	70.6	58.0	70.6	65.8	68.8	68.2	80.6	77.6
Median	62.8	64.5	59.6	58.4	51.3	68.5	64.1	58.6	63.9	54.6	60.0	62.9	57.4	64.6	78.4	71.8
Min	44.7	45.9	41.5	41.7	37.2	54.1	46.2	50.8	50.9	50.5	52.4	48.6	53.2	53.1	76.4	65.2
Frequency	293.0	83.0	77.0	34.0	20.0	15.0	15.0	12.0	12.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0

TV-watching and Conversation

The combined event of TV-watching and conversation is the most popular domestic activities noted in this study and it possessed the highest occurrence of 293 of which 102 cases happened during evening and 92 at night.

The noise level, Leq15min, arising from TV watching and conversation was noted to range between 44.7 dB(A) and 77.0 dB(A) with median value at 68.5 dB(A). By comparing with TV watching alone, multiple-activities contribute differently to the indoor noise climate. For example, when TV is on, people tend to voice up and hence the maximum Leq15min increased from 75.1 dB(A) to 76.6 dB(A) when compared to watching TV alone.

TV-watching, Conversation and Pet

The combined event of TV-watching and conversation in the presence of pet ranked second in terms of number of occurrence. A total of 83 cases were noted in this study of which 29 of them happened during evening and 20 at night.

The noise level, Leq15min, arising from this combined activity was noted to range between 45.9 dB(A) to 77.9 dB(A) with the median value of 64.5 dB(A). By comparing with the noise recorded in the presence of pet only, a higher level was resulted as expected when TV-watching and conversation occurred simultaneously.

Conversation

Conversation is the most comment single event spotted in this study. Depending on the number of occupants and individual habit, a wide range of noise level ranging from 41.5 dB(A) to 76.6 dB(A) and a median value of 59.6 dB(A) were resulted. Even in the absence of other significant noise sources, such as TV , the noise level arising from conversation alone is still comparable to noise level from TV watching and conversation.

Conversation and Pet

The combined event of conversation in the presence of pet ranked fourth in terms of occurrence. A total of 34 cases were noted in this study. Amongst these cases, nearly half of them (15 cases) happened at night. Similarly, depending on the number of occupants and types of pet involved, a wide range of noise level ranging between 41.7 dB(A) and 85.1 dB(A) with a median value of 58.4 dB(A) was noted.

A high noise level from continuous indoor dog barking was noted to contribute significantly to the indoor noise level up to 89.0 dB(A). This gives rise to the wide data range.

Conversation and Reading

A total of 20 cases were spotted for this combined event of conversation and reading. Most of the occupants prefer reading at night (9 cases) then at daytime (5 cases) and evening (6 cases).

The noise level Leq15min arising from both conservation and reading was noted to be the lowest compared to other domestic activities with occurrence of 10 or more. It ranged from 37.2 dB(A) to 66.7 dB(A) with median value at 51.3 dB(A).

TV watching

The noise level, Leq15min, arising from watching television alone was observed to be the highest amongst other single activity which ranged from 54.1 dB(A) to 75.1 dB(A) with median value at 68.5 dB(A). A total of

15 occurrences were spotted for this single event and 6 of them happened during night time before bedtime.

In the presence of multiple events, the noise levels increased dramatically. By comparing with TV watching alone, multiple-activities contribute differently to the indoor noise climate. For example, when TV is on, people tend to voice up and hence the maximum Leq15min increased from 75.1 to 76.6 dB(A). The popularity of this combined event of TV watching and conversation was quite popular as a total of 77 occurrences were noted in this study.

<u>TV watching, Conversation and Cooking</u>

This combined event is as popular as the single event of TV watching. The noise level, Leq15min, for this events ranged between 46.2 dB(A) and 72.6 dB(A) with median value at 64.1 dB(A).

Depending of the individual habit and the number of occupants, the noise level might vary which gave rise to the wide range of noise level. The similarity of median value between this combined event and that without cooking (62.8 dB(A)) indicated that cooking might not be a significant noise contributor when TV was on.

<u>TV watching, Conversation and Reading</u>

A total of 12 occurrences were noted for the combined event of TV watching, conversation and reading of which half of them happened at night while only 3 cases were spotted during daytime and evening.

The noise level, Leq15min, was noted to range between 50.8 dB(A) to 74.1 dB(A) with median value of 58.6 dB(A). As it was a common practise to turn the volume down while someone was reading, a relatively low median value was resulted.

<u>Conversation, Pet and Mahjong</u>

This combined event possessed the highest median noise level when compared with other domestic activities, though it had a low occurrence of 2. The noise level, Leq15min, was noted to range between 76.4 dB(A) and 80.6 dB(A) with median value of 78.4 dB(A). It was observed that the noise from mahjong playing dominated the overall noise climate.

<u>TV, Conversation and Party</u>

Similar to the nature of mahjong playing, party involved a group of people. Due mainly to the celebration nature of the domestic activities, and the excitement involved in a party, this combined event possessed the second-highest median noise level at 71.8 dB(A). The measured Leq15min was noted to range from 65.2 dB(A) to 77.6 dB(A).

3.1.4 Comparison of Outdoor Noise Level with respect to Premises Categorisation

To depict a clearer picture on how the noise levels differ from each of the 20 categories of receivers, results are further compared with respect to (i) Area Type and (ii) Influencing Factor. Normal monitoring data set for each category may vary from 8 to 10, as additional monitoring was available for some of the monitoring sites.

3.1.4.1 Outdoor Noise Level with respect to Area Type

For this Study, the entire area of Hong Kong is generally divided into four types, namely, (a) Rural Area; (b) Low Density; (c) Urban Area; and (d) Other Area. Outdoor noise level recorded at daytime would be representative for data comparison since the influencing factors were considered to be active during this time period. Monitored results with respect to area type are depicted in Figure 3-63.

<u>Absence of Influencing Factors (NE01, NE06, NE11 and NE16)</u>

Under the absence of any influencing factors, the median outdoor noise levels (Leq) measured in various areas at day time were determined to be 53.3 dB(A), 58.7 dB(A), 60.4 dB(A) and 62.8 dB(A) for NE01, NE06, NE11 and NE16 accordingly.

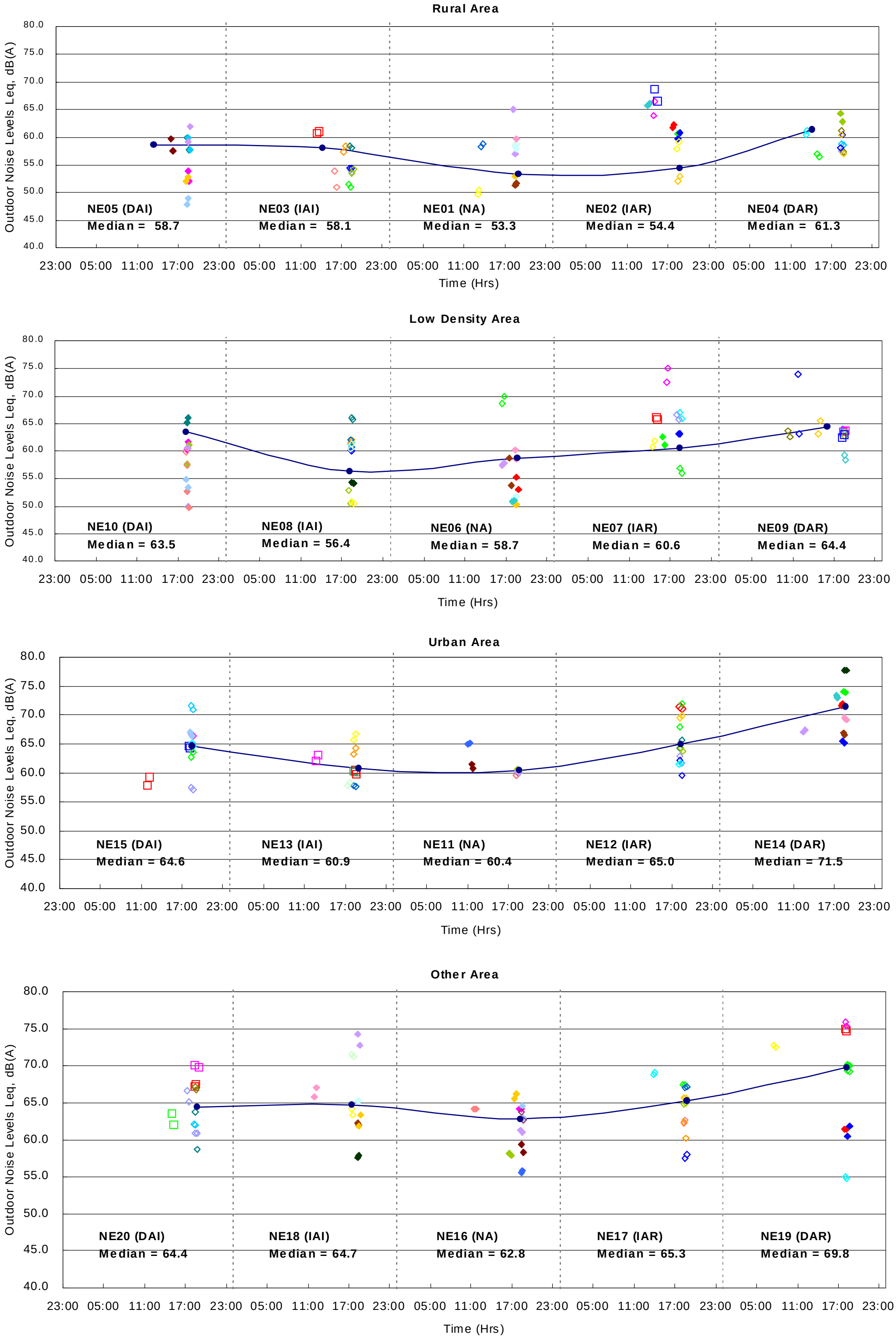
The lowest noise level was noted at Rural Area (NE01) where only sparsely developed village houses could be found. In view of the remoteness of the subject sites as well as the lack of continuous noise-generating activities, a low outdoor noise level was expected compared to the noise levels recorded at other area types.

The second lowest outdoor noise level was recorded at Low Density Residential Area (NE06) comprising of low-rise or isolated high-rise developments. With the presence of minor commercial or retail centres, minor transport facilities, it is expected to have a relatively higher noise level compared to NE01 but lower than that recorded at NE11.

Area that is rather close to the urban area, and with small-scale shops/stores or limited commercial elements was demonstrated to possess comparable outdoor noise level with NE11. As revealed by acoustic data as shown above, NE11 and NE16 possessed comparable ambient outdoor noise level at approximately 58.0 dB(A) and only a minor difference of 2 dB(A) was noted for L10. The presence of noise source other than an influencing factor, e.g. local traffics, is common at these two Area Types which played a significant role in determining the outdoor noise environment.

In general, the outdoor noise level (Leq) trend observed for premises located in rural area is much lower than that in low density residential area where it is quieter than urban area.

Figure 3-63 Outdoor Noise Level (Leq,15min) at Premises Affected by Area Types



Indirectly Affected by Major Road (NE02, NE07, NE12 and NE17)

Under the indirect influence of major road, the median outdoor noise levels (Leq) measured in various area at day time were determined to be 54.4 dB(A), 60.6 dB(A), 65.0 dB(A) and 65.3 dB(A) for NE02, NE07, NE12 and NE17 accordingly.

The lowest noise level was noted at Rural Area (NE02) where only sparsely developed village houses could be found. In view of the remoteness of the subject sites as well as the lack of continuous noise-generating activities other than the influencing factor, a low outdoor noise level was expected compared to the noise levels recorded at other area types.

The second lowest outdoor noise level was recorded at Low Density Residential Area (NE07) comprising of low-rise or isolated high-rise developments. With the presence of minor commercial or retail centres, minor transport facilities, it is expected to have a relatively higher noise level compared to NE02 but lower than that recorded at NE12.

Area that is rather close to the urban area, and with small-scale shops/stores or limited commercial elements was demonstrated to possess comparable outdoor noise level with NE12. As revealed by acoustic data as shown above, NE12 and NE17 possessed comparable ambient outdoor noise level at approximately 65.0 dB(A) and only a minor difference of 1 dB(A) was noted for L10. The presence of noise source other than an influencing factor, e.g. local traffics, is common at these two Area Types which played a significant role in determining the outdoor noise environment.

The peak traffic noise measured at area NE07, NE12 and NE17 was noted to range between 64.9 dB(A) and 67.3 dB(A). They were comparably higher than that recorded in rural area where major traffic route with heavy flow is absent. Similarly, in view of the remoteness of NE02, it possessed the lowest ambient outdoor noise at 49.4 dB(A) compared to Urban and Other Area of which the noise level was recorded to be 60.6 dB(A) and 62.9 dB(A) respectively. The presence of shops and stores, as well as traffic interchange in area NE12 and NE17 did contribute significantly to the outdoor ambient noise level by up to 10 dB(A).

Under the indirect influence of major road, the outdoor noise level (Leq) observed for premises located at various area is ordered in the following ascending order: rural area, low density area, urban area and other area.

Indirectly Affected by Industrial Area (NE03, NE08, NE13, NE18)

Under the indirect influence of industrial area, the median outdoor noise levels (Leq) measured in various area at day time were determined to be 58.1 dB(A), 56.4 dB(A), 60.9 dB(A) and 64.7 dB(A) for NE03, NE08, NE13 and NE18 accordingly.

Premises in rural area as well as low density residential area experienced the lowest outdoor noise level at 58 dB(A) when compared to those located in urban and other area. A majority of industrial estates/buildings would normally locate at places adjacent to urban area, i.e. at other area, so as to save expenditure such as rent payment. In this connection, a relatively higher density of industrial activities was resulted in other area than that in urban area. Together with the occurrence of industrial-induced noise generating activities as well as the presence of local traffics, a comparatively high ambient noise was thus resulted in industrial area.

The general outdoor noise level (Leq) trend observed for premises located at various Area Types under the indirect influence of industrial area is presented in the following ascending order: rural area, low density area, urban area and other area.

Directly Affected by Major Road (NE04, NE09, NE14, NE19)

Under the direct influence of major roads, the median outdoor noise levels (Leq) measured in various area at day time were determined to be 61.3 dB(A), 64.4 dB(A), 71.5 dB(A) and 69.8 dB(A) for NE04, NE09, NE14 and NE19 accordingly.

The lowest noise level was noted at Rural Area (NE04) where only sparsely developed village houses could be found. In view of the remoteness of the subject sites as well as the lack of continuous noise-generating activities, a low outdoor noise level was expected compared to the noise levels recorded at other area types.

The second lowest outdoor noise level was recorded at Low Density Residential Area (NE06) comprising of low-rise or isolated high-rise developments. With the presence of minor commercial or retail centres, minor transport facilities, it is expected to have a relatively higher noise level compared to NE04 but lower than that recorded at NE14.

Area that is rather close to the urban area, and with small-scale shops/stores or limited commercial elements was demonstrated to possess comparable outdoor noise level with NE14. As revealed by acoustic data as shown above, NE14 and NE19 possessed comparable ambient outdoor noise level at approximately 68.0 dB(A) and only a minor difference of 1.8 dB(A) was noted for L10. The presence of noise source other than an influencing factor, e.g. local traffics, is common at these two Area Types which played a significant role in determining the outdoor noise environment.

In general, the outdoor noise level (Leq) observed for premises located in various area types under the direct influence of major road is presented in the following ascending order: rural area, low density area, other area and urban area.

Directly Affected by Industrial Area (NE05, NE10, NE15, NE20)

Under the direct influence of industrial area, the median outdoor noise levels (Leq) measured in various area at day time were determined to be 58.7 dB(A), 63.5 dB(A), 64.6 dB(A) and 64.4 dB(A) for NE05, NE10, NE15 and NE20 accordingly.

The lowest noise level was noted at Rural Area (NE05) where only sparsely developed village houses could be found. In view of the remoteness of the subject sites as well as the lack of complex transportation network, a low outdoor noise level was expected compared to the noise levels recorded at other area types.

The second lowest outdoor noise level was recorded at Low Density Residential Area (NE06) comprising of low-rise or isolated high-rise developments. With the presence of minor commercial or retail centres, minor transport facilities, it is expected to have a relatively higher noise level compared to NE05 but lower than that recorded at NE15.

Area that is rather close to the urban area, and with small-scale shops/stores or limited commercial elements was demonstrated to possess comparable outdoor noise level with NE15. As revealed by acoustic data as shown above, NE15 and NE20 possessed comparable ambient outdoor noise level at approximately 61.0 dB(A) and only a minor difference of less than 1 dB(A) was noted for L10. The presence of noise source other than an influencing factor, e.g. local traffics, is common at these two area types which played a significant role in determining the outdoor noise environment. The fully enclosed-type of industrial activities within an industrial building did not possess a dominant effect in contributing the overall outdoor noise environment at the subject premises, it was the industrial-related activities instead.

The general outdoor noise level (Leq) observed for premises located in various area types under the direct influence of industrial area is presented in the following ascending order: rural area, low density area, urban area and other area.

3.1.4.2 Outdoor Noise Level with respect to Influencing Factors

For this Study, there are a total of five categories of influencing factors namely, (a) Not Affected; (b) Indirectly Affected by Major Road; (c) Indirectly Affected by Industrial Area; (d) Directly Affected by Major Road; and (e) Directly Affected by Industrial Area. Outdoor noise level recorded at day time would be representative for comparison purpose since the influencing factors were considered to be active during this time period. Data comparison was completed for each Area Type under the influence of various influencing factors and the results are presented in Figure 3-64.

Rural Area (NE01, NE02, NE03, NE04, NE05)

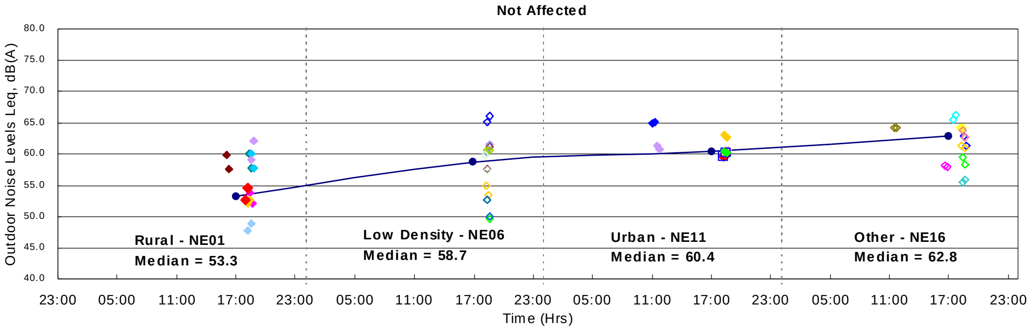
For premises located in rural area, subject to the influence of various influencing factors, the median outdoor noise levels (Leq) measured at day time were determined to be 53.3 dB(A), 54.4 dB(A), 58.1 dB(A), 61.3 dB(A) and 58.7 dB(A) for NE01, NE02, NE03, NE04 and NE05 accordingly.

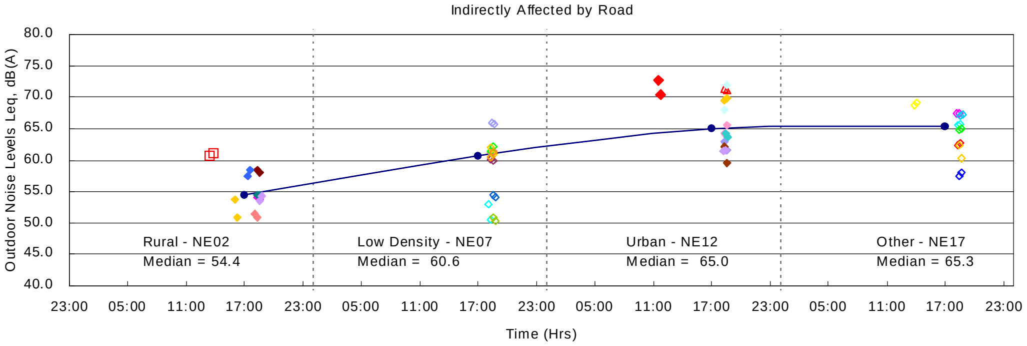
Under the absence of any influencing factor, premises located in rural area possessed the lowest outdoor noise level. As revealed by the acoustic measurement at NE02 and NE04, the higher the influence of major road to the residential premises, the higher the outdoor noise level would result. A 6 dB(A) increased in Leq was noted when the premises were exposed to the direct effect of major road when compared with those subject to the effect indirectly.

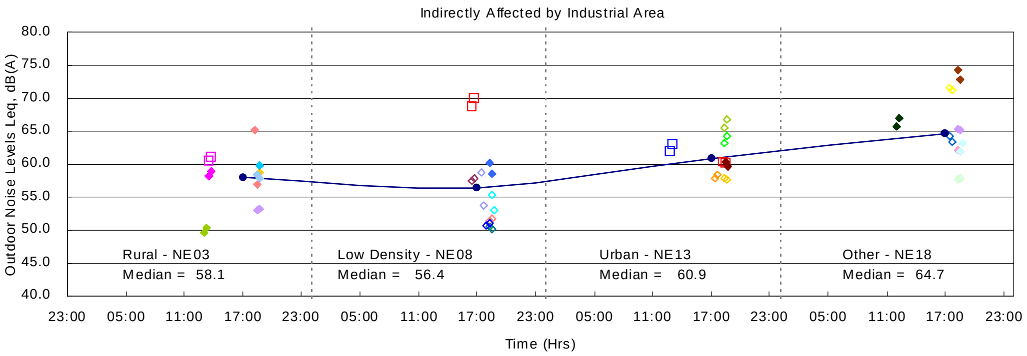
Similarly, this observation repeated itself under the influence of industrial area. Premises under the direct influence of industrial area were exposed to a relatively higher outdoor noise level than that under the indirect influence. A minor difference of less than 1 dB(A) was noted for premises under the effect of industrial area. In view of the remoteness of the subject sites as well as the lack of densely packed industrial area, the subject premises located in rural area were less susceptible to the influence of industrial area.

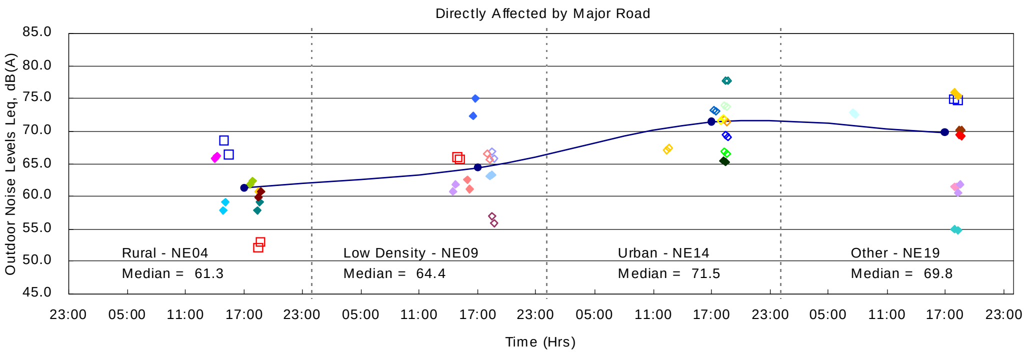
Residential premises located in rural area subject to the direct influence of major road possessed the highest outdoor noise level than those influenced indirectly by major road. Similarly, the outdoor noise level at premises resulted from the direct influence of industrial area is comparatively higher than those affected indirectly. As revealed by the noise measurement results, the influence of major road is more intense than industrial area in contributing to the outdoor noise environment in rural area.

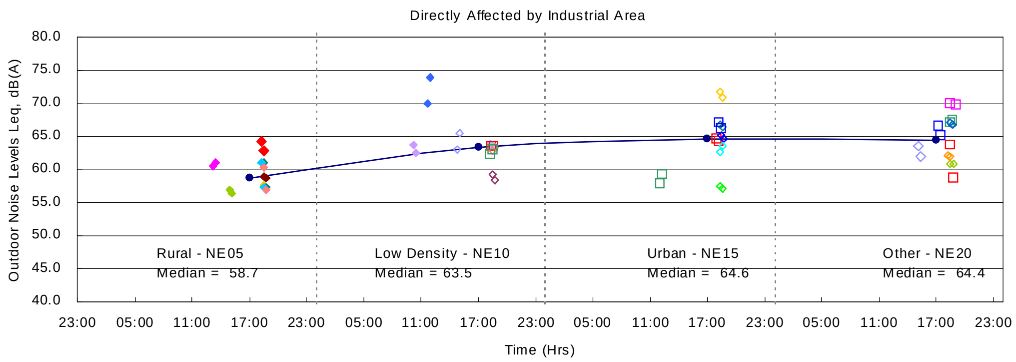
Figure 3-64 Outdoor Noise Levels at Premises Located in Rural Area











Low Density Residential Area (NE06, NE07, NE08, NE09, NE10)

For premises located in low density residential area, subject to the influence of various influencing factors, the median outdoor noise levels (Leq) measured at day time were determined to be 58.7 dB(A), 60.6 dB(A), 56.4 dB(A), 64.4 dB(A) and 63.5 dB(A) for NE06, NE07, NE08, NE09 and NE10 accordingly.

A comparable outdoor noise level was noted for premises subject to the absence of influencing factor (NE06) and the presence of indirect effect of industrial area (NE08). The enclosed nature of the industrial buildings as well as the lack of complex local roads in adjacent to the subject sites, the noise level arising from any industrial-induced activities was not dominant in the overall noise level.

As revealed by the acoustic measurement at NE07 and NE09, the higher the influence of major road to the residential premises, the higher the outdoor noise level would result. A 2 dB(A) increased in Leq was noted when the premises were exposed to the direct effect of major road when compared with those subject to the effect indirectly.

Similarly, this observation repeated itself under the influence of industrial area. Premises under the direct influence of industrial area were exposed to a 5 dB(A) higher outdoor noise level than that under the indirect influence. In view of the enclosed nature of the industrial buildings in proximity to the subject sites, the dominant noise source was observed to arise from industrial-related activities such as loading/unloading of stocks as well as local traffics.

Residential premises located in low density area subject to the direct influence of major road possessed the highest outdoor noise level than those influenced indirectly by major road. Similarly, the outdoor noise level at premises resulted from the direct influence of industrial area is comparatively higher than those exposed to the indirect influence. As revealed by the noise measurement results, the influence of major road is comparable to industrial area in contributing to the outdoor noise environment in low density residential area.

Urban Area (NE11, NE12, NE13, NE14, NE15)

For premises located in urban area, subject to the influence of various influencing factors, the median outdoor noise levels (Leq) measured at day time were determined to be 60.4 dB(A), 65.0 dB(A), 60.9 dB(A), 71.5 dB(A) and 64.6 dB(A) for NE11, NE12, NE13, NE14 and NE15 accordingly.

A comparable outdoor noise level was noted for premises subject to the absence of influencing factor (NE11) and the presence of indirect effect of industrial area (NE08). The enclosed nature of the industrial building and its associated activities did not contribute significantly to the overall outdoor noise climate of the sites under the indirect influence of industrial area. On the contrary, for sites where exposed to the direct impact of industrial area, a higher noise level at 64.6 dB(A) was resulted from the consequences of adjacent industrial-related noise such as local traffics and loading/unloading of stocks. A higher noise level of 4 dB(A) difference was noted for premises affected directly by industrial area.

As revealed by the acoustic measurement at NE12 and NE14, the higher the influence of major road to the residential premises, the higher the outdoor noise level would result. A 7 dB(A) increased in Leq was noted when the premises were exposed to the direct effect of major road when compared with those subject to the effect indirectly.

The results indicated that premises located in urban area were more susceptible to the influence of major road than industrial area. It has been revealed that the outdoor noise levels were more sensitive to the change of the intensity of major road than that of industrial area. The enclosed nature of the industrial buildings might deter the noise from propagating to the surrounding premises and thus other industrial-induced noise became the dominant noise source. In view of the much lower traffic flow observed at local roads than at major roads, a lower outdoor noise level subject to the influence of industrial area was expected.

Residential premises located in urban area subject to the direct influence of major road possessed the highest outdoor noise level than those influenced indirectly by major road. Similarly, the outdoor noise level at premises resulted from the direct influence of industrial area is comparatively higher than those exposed to the indirect influence. As revealed by the noise measurement results, the influence of major road is more intense than that from industrial area in contributing to the outdoor noise environment in urban area.

Area Other Those Above (NE16, NE17, NE18, NE19, NE20)

For premises located in other area, subject to the influence of various influencing factors, the median outdoor noise levels (Leq) measured at day time were determined to be 62.8 dB(A), 65.3 dB(A), 64.7 dB(A), 69.8 dB(A) and 64.4 dB(A) for NE16, NE17, NE18, NE19 and NE20 accordingly.

A comparable outdoor noise level at 65 dB(A) was noted for premises subject to the influence of industrial area and major road, except for those exposed to the direct impact of major road. A majority of industrial estates/buildings would normally locate at places adjacent to urban area, i.e. at other area, so as to save expenditure such as rent payment. In this connection, a relatively higher density of industrial activities was resulted in other area than that in urban area. Together with the occurrence of industrial-induced noise generating activities as well as the presence of local traffics, a comparatively high ambient noise was thus resulted in industrial area as appeared for NE18.

For this Study, it should be noted that premises subject to the influence of industrial area regardless of its intensity experienced similar outdoor ambient noise at 61 dB(A). The presence of local roads in adjacent to these concerned sites might contributed dominantly to the overall outdoor noise climate due to the enclosed nature of industrial blocks. The ambient and L10 outdoor noise level recorded at NE18 and NE20 denoted the similarity of local traffic pattern in proximity to the concerned sites.

As revealed by the acoustic measurement at NE17 and NE19, the higher the influence of major road to the residential premises, the higher the outdoor noise level would result. A nearly 5 dB(A) increased in Leq was noted when the premises were exposed to the direct effect of major road when compared with those subject to the effect indirectly.

The results indicated that premises located in other area were more susceptible to the influence of major road than industrial area. It has been revealed that the outdoor noise levels were more sensitive to the change of the intensity of major road than that of industrial area. The enclosed nature of the industrial buildings might deter the noise from propagating to the surrounding premises and thus other industrial-induced noise became the dominant noise source. In view of the much lower traffic flow observed at local roads than at major roads, a lower outdoor noise level subject to the influence of industrial area was expected.

Residential premises located in other residential area subject to the direct influence of major road possessed the highest outdoor noise level than those influenced indirectly by major road. Similarly, the outdoor noise level at premises resulted from the direct influence of industrial area is comparatively higher than those exposed to the indirect influence. As revealed by the noise measurement results, the influence of major road is comparable to industrial area in contributing to the outdoor noise environment in other residential area.

3.1.5 Summary of Normal Noise Monitoring at Residential Premises

With reference to the preliminary 24-hour monitoring illustrated in Section 3.1.1, normal noise monitoring was intentionally carried out within the following periods of 1800-1900 and 2300-2400 hours i.e. during mealtime and before bedtime, to capture the representative noise levels associated with household activities.

The majority of the general noise level arising from household activities lies within Leq 60 to 65 dB(A) at day, 60 to 70 dB(A) in the evening and 60 to 65 dB(A) at night, respectively. It was because those activities often were spotted in evening period resulting in comparatively high measured levels. Amongst the 203 premises studied, the most common single household activity was conversation while conversation and TV watching were noted to be the most popular combined event which gave noise ranging from 44.7 dB(A) to 77.0 dB(A). On the other hand, mahjong playing was identified to be the noisiest indoor event with noise level of 80.6 dB(A).

In considering outdoor noise contribution inside residential building, people are more frequent experiencing high noise levels due to indoors activities, although they might still notice outdoor noise sources such as noise from neighbours. Noise levels of common household activities are summarized in Figure 3-62.

It was observed that individual living pattern affected largely overall indoor environment. Noise measurement indoors only gives snapshot values which are reflecting noise level at the particular spatial and temporal moment. It is anticipated that these single-number ratings would change considerably over days subject to the occupant behaviour.

3.2 Social

3.2.1 Social Venue

Total 110 noise measurements were carried out at 60 measurement locations for a total of 11 different kinds of venue.

Restaurant
- Chinese Restaurant
- Non-Chinese Restaurant
- Hong Kong Style Cafe & Food Court

Places of Public Entertainment
- Disco
- Karaoke
- Lounge or Bar
- Game Centre
- Concert Hall

Recreational Places
- Swimming Pool
- Beach
- Barbecue Spot
- Public Park
- Country Park
- Undeveloped Area
- Audio Listener

Details of locations and the full results of the surveys at the 60 noise monitoring locations are shown in Appendix B. Figure 3.2 illustrated those 60 measurements locations.

3.2.2 Noise Level at Chinese Restaurant

Noise measurements have been conducted at 5 Chinese style restaurants during peak business hours accordingly at breakfast, lunch and dinner times. All these restaurants possess similar traditional interior fashion such as carpeted floors, dinning tables with tablecloths, windows with blinds as well as noise-absorptive false ceilings. General descriptions of the measurement conditions with respect to each restaurant are summarized as Table 3.1 follows.

Table 3.1 Description of Monitoring Venues (Chinese Restaurant)

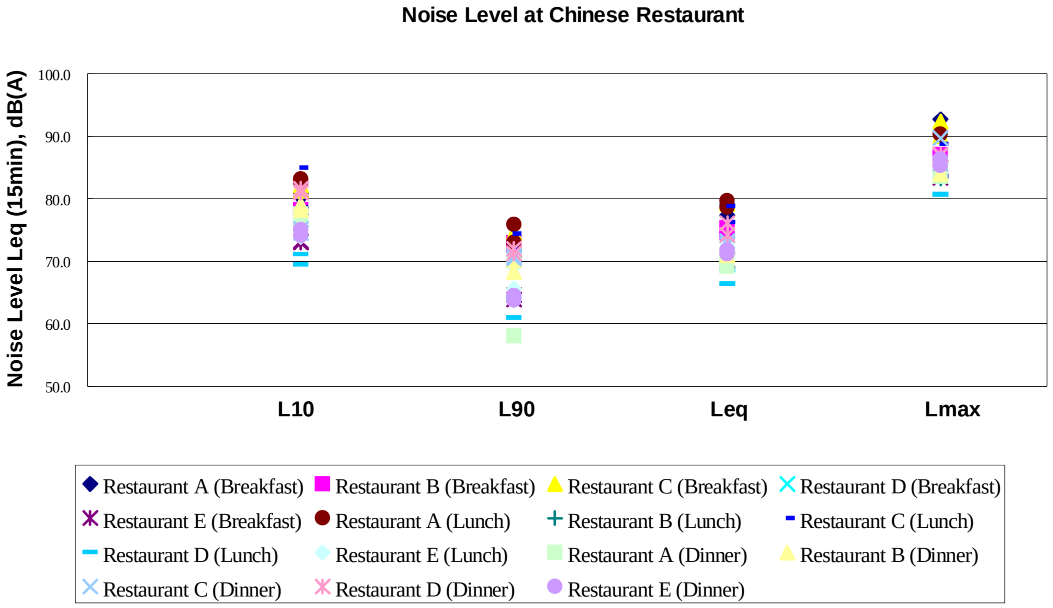
Name	Location	Day	Approximate Floor Area (m^2)	Floor Height (m)	Occupancy		
					Breakfast	Lunch	Dinner
Restaurant A	Basement of Residential Development, Quarry Bay	Sunday	600	3.5	High	High	Med
Restaurant B	Shopping Plaza in Kai Tin Estate	Friday	1750	4	High	High	Med
Restaurant C	Shopping Mall in Tuen Mun	Saturday	3000	2.5	High	High	High
Restaurant D	Within commercial building in TST	Wednesday	5000	2.4	---	Low	Med*
Restaurant E	King's Road, Quarry Bay	Wednesday	2025	2.7	High	High	Med

Note: High occupancy denotes occupancy of 81 percent or more;
Medium occupancy denotes occupancy between 61 and 80 percent;
Low occupancy denotes occupancy of 60 percent or less.

Remarks: * Noise measurement during a wedding banquet

Noise levels recorded at various Chinese Restaurants are illustrated in the following figures.

Figure 3-65 Measured Noise Levels at Chinese Restaurant



Traditional “dim sums” are served, commonly known as “Yum Cha” in all visited Chinese Restaurants during Breakfast and Lunch times except Restaurant D of which its business hours starts at 1200 noon. Dim sums are normally ordered either or by filling in a food-ordering form. Among those restaurants providing Yum Cha Service, food was ordered verbally in Restaurants A, B and C while food-ordering form was employed in Restaurant E.

As revealed by Figure 3-65, the background noise level recorded in Restaurants A, B, and C during both breakfast and lunch time was comparatively higher than that at Restaurant possessed similar background noise level No background music was noted in all of these five Chinese Restaurants during entire noise monitoring period, except for Restaurant D during the occasion of a wedding banquet. A television set next to a mini-bar in Restaurant A was in operation at dinnertime.

The measured results indicate that the noise level recorded at various Chinese Restaurants ranged from 66.4 to 79.7 dB(A).

For noise monitoring conducted at Breakfast time, the highest noise level of 79.4 dB(A) was recorded at Restaurant C, whereas Restaurant E possessed the lowest noise level of 70 dB(A). As stated previously, the major indoor environment between Restaurants C and E was the way how dim sums was promoted / ordered. Continuous food ordering verbally instead of using an order form, together with a higher spatial space and number of occupants, were shown to increase the sound level in Restaurant C by about 9 dB(A).

For noise monitoring at Lunchtime, the highest noise level of 79.7 dB(A) was recorded at Restaurant A while only 66.4 dB(A) was noted at Restaurant D. No particular abnormal noise-contributing activity was observed during measurement period. Spacious space with low occupancy was accounted for the low noise level at Restaurant D as illustrated in Table 3.1. Though the same rating of ‘high’ was assigned to describe the occupancy in Restaurants A, B, C, and E, variation on the noise levels was expected for restaurants having different occupancies of over 80 percent.

In general, dramatic reduction in noise level was recorded at dinnertime compared to those obtained at breakfast and lunch times. It is because the distinct noise-generating activity, i.e. the dim sum ordering process, was eliminated. Under the influence of a wedding banquet, the noise level at Restaurant D was recorded to be at 76.1 dB(A) which was the highest amongst others. During the event, Chinese style background music was noted as well as the noise from conversation and cheering with each other.

In summary, large variation of more than 10 dB(A) was noted between the noise level recorded at the 'noisiest' and the 'quietest' restaurants. The range of levels indicated the similarity in all upper end of the range. This further served as an indication that all kinds of Chinese restaurants were experiencing comparable high noise levels. The reason for the differences of the noise levels among these restaurants is directly related to the occupancy of the restaurant during the noise measurement period as well as the way of food ordering.

3.2.3 Noise Level at Non-Chinese Style Restaurant

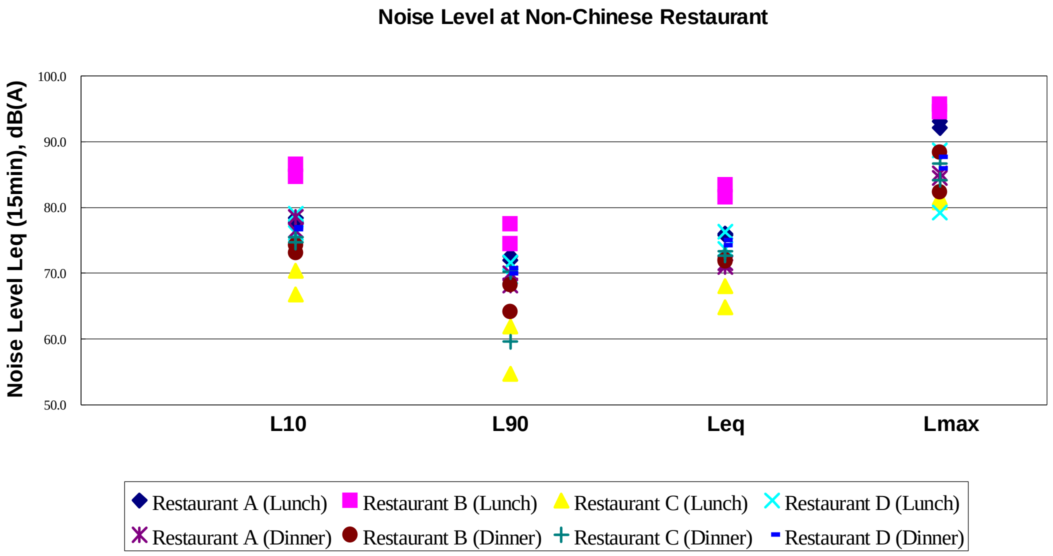
Noise measurements have been conducted at 4 Non-Chinese style restaurants during peak business hours accordingly at Lunch and Dinner times. Various indoor environments were noted for these restaurants and were summarized as Table 3.2 below.

Table 3.2 Description of Monitoring Venues (Non-Chinese Style Restaurant)

Name	Style	Location	Day	Approximate Floor Area (m^2)	Floor Height (m)	Occupancy	
						Lunch	Dinner
Restaurant A	Western	Department store, Quarry Bay	Monday	800	4	High	Med
Restaurant B	Vietnamese	Street level, Quarry Bay	Sunday	600	2.5	High	Low
Restaurant C	Japanese	Shopping mall in Causeway	Saturday	700	2.5	Low	Med
Restaurant D	Italian	Shopping mall in Causeway	Sunday	1050	2.5	Med	Med

Note: High occupancy denotes occupancy of 81 percent or more;
Medium occupancy denotes occupancy between 61 and 80 percent;
Low occupancy denotes occupancy of 60 percent or less.

Figure 3-66 Measured Noise Levels at Non-Chinese Style Restaurant



Background music (Traditional Japanese soft music) music was only played in the Japanese Style Restaurant C at Lunchtime. The interior design for Restaurants A and D were of traditional fashion where carpeted floors, dinning tables with tablecloths as well as noise absorptive ceilings could be found. Restaurant C is a Japanese Style restaurant with elegant interior design involved using lots of sound absorptive partition. On the other hand, Restaurants B is of causal style with bare concrete walls and tiled floor.

The measured results indicated that the noise levels recorded at various non-Chinese style restaurants ranged between 64.8 and 83.4 dB(A). As expected, a higher noise level is recorded at positions where they are highly occupied with people and/or dominant noise generating activity. For example, locations close to passageway and/or entrance. It has been noted that the presence of soft background music would not contribute significantly to the overall noise level as recorded in Restaurant A.

The noise monitoring at Lunch time indicated that the highest noise level of 83.4 dB(A) was recorded at Restaurant B, whereas Restaurant C possessed the lowest noise level of 64.8 dB(A). The difference in noise levels recorded in various restaurants during dinner was less intense of which they ranged between 71 and 75 dB(A). Noise arising from conversation appeared to be the dominant noise source in Non-Chinese Restaurant of which it is strongly dependent on the occupancy, the size as well as the interior design of the restaurant.

As revealed in the results, uncarpeted floors and bare walls which could make the rooms unbelievably noisy surrounded the indoor environment of Restaurant B. Sounds from conversations were reflected off the walls and floors with very little loss of reverberant energy. In such surroundings people have to speak louder to make themselves heard, which results in an increased noise level. On the contrary, with the incorporation of sound absorptive materials such as partitions, carpets or even tablecloth as noted in western restaurants could produce a much healthier environment as far as noise is concerned.

3.2.4 Noise Level at Hong Kong Style and Fast Food Court

Noise measurement has been conducted at 3 Hong Kong Style and Fast Food Court during peak business hours accordingly at breakfast, lunch and dinner times. All these restaurants possess similar interior fashion including uncarpeted floor and dinning tables without tablecloths. False ceilings were only noted at Restaurants A and C.

General descriptions of the indoor environment with respect to each restaurant are summarized as Table 3.3 below.

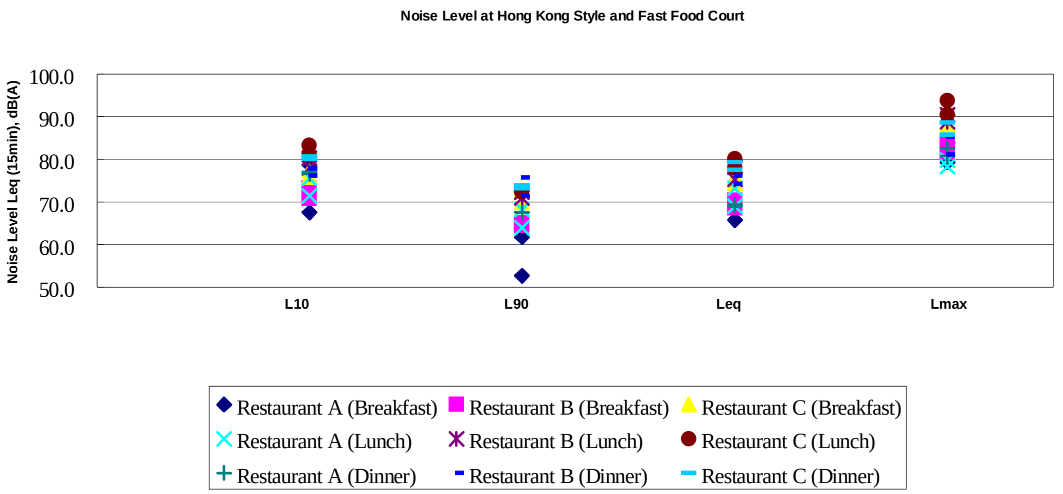
Table 3.3 Description of Monitoring Venues (Hong Kong Style and Fast Food Court)

Name	Location	Day	Approximate Floor Area (m^2)	Floor Height (m)	Occupancy		
					Breakfast	Lunch	Dinner
Restaurant A	Within a University	Tuesday	1500	4.5	Med	Med	Low
Restaurant B	Food Court at a department store	Tuesday	2450	3	Med	High	Med
Restaurant C	Street Level, Shau Kei Wan Rd., Hong Kong	Tuesday	130	3.5	Med	High	High

Note: High occupancy denotes occupancy of 81 percent or more;
Medium occupancy denotes occupancy between 61 and 80 percent;
Low occupancy denotes occupancy of 60 percent or less.

The following figures show the noise levels recorded at various venues of the Hong Kong Style and Fast Food Court.

Figure 3-67 Measured Noise Levels at Hong Kong Style and Fast Food Court



By the observation during the noise measurement, noise sources other from conversation are including noise from (i) Public Announcing (PA) system in Restaurants A and B at both Breakfast and Dinner times; (ii) TV set in Restaurant A at Dinner time; (iii) Soft background music in Restaurant C at Dinner time.

The measurement records indicated that the noise levels recorded at various Hong Kong Style Fast Food Courts ranged from 61.7 to 80 dB(A).

During Breakfast time, the highest noise level of 75.9 dB(A) was noted in Restaurant C, whereas Restaurant A possessed the lowest noise level of 61.7 dB(A). A difference of 14 dB(A) was noted between the two extremes. In view of the comparatively large floor size of Restaurant B than that of Restaurant A, a lower noise level was expected as a result of a high reverberant energy loss.

The increase in occupancy observed in Restaurants B and C was reflected in the overall noise level recorded during both Lunch and Dinner times. The highest noise level of 80 dB(A) was recorded at Restaurant C. Further to its high occupancy, the relatively small spatial space together with the extensive use of glass and mirrors for interior decorations in Restaurant C contributed significantly to this noise environment. Conversations were noted to be the dominant noise source in all restaurants visited and the noise level contributed by the Public Announcement (PA) system was observed to be minor.

3.2.5 Noise Level at Discos

Noise measurement has been carried out at 2 discotheques during peak business hours. These 2 discotheques possessed uncarpeted floors and noise reflective materials, such as clear glass and mirrors, had been used extensively for interior decoration.

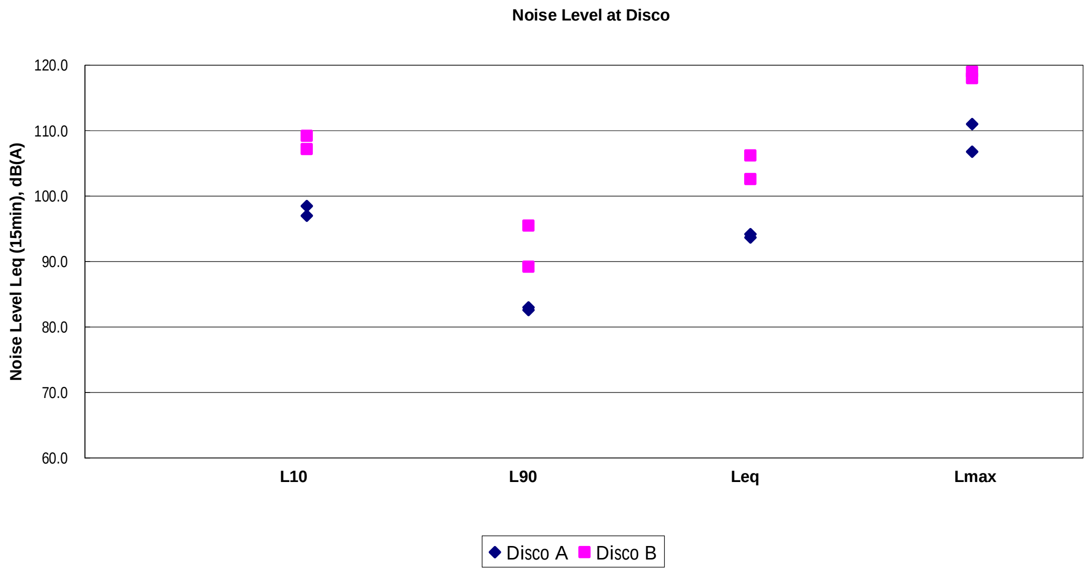
General descriptions of the indoor environmental of various venues are summarized in Table 3.4 below.

Table 3.4 Description of Monitoring Venues (Disco)

Name	Location	Day	Approximate Floor Area (m^2)	Floor Height (m)	Occupancy
Disco A	Luard Rd, Wanchai, Hong Kong	Friday	700	3	Med
Disco B	Hennessy Rd., Wanchai, Hong Kong	Saturday	300	3	Med

Note: High occupancy denotes occupancy of 81 percent or more;
Medium occupancy denotes occupancy between 61 and 80 percent;
Low occupancy denotes occupancy of 60 percent or less.

Figure 3-68 Measured Noise Levels at Disco



The noise levels recorded at various venues during the monitoring period are shown and tabulated in Figure 3-68 and Table 3.4, respectively.

The measured noise levels ranged from 93.7 dB(A) to 106.2 dB(A) with a maximum noise level of 106.2 dB(A) noted at Disco B during midnight peak hour at 0100.

The dominant noise source in the Discos of concerned was observed to be the dance music. Under the influence of loud music, conversation could hardly be heard. As expected, a higher noise level was recorded at positions in proximity to the loud speakers located all around the corners of the venues.

In addition to the spatial difference between Discos A and B, the way of how music was presented contributed significantly to the overall noise environment. Disk Jockey (DJ) was employed in Disco A to present recorded dance music to audience while music was performed lively in Disco B by a live band. Sound waves were reflected in Disco B with less energy loss than in Disco A as it occupied a smaller spatial space. Furthermore, the distance between the dominant receiver location and the noise sources noted in Disco B was also noted to be shorter. In this connection, noise level recorded at Disco B was 10 dB(A) higher than that of Disco A.

3.2.6 Noise Level at Karaoke

Noise measurement has been conducted at two karaokes of different style and size during peak business hours. Sound absorptive materials have widely been used to cover walls and ceiling. Both of the karaokes visited have carpeted floors to absorb noise further

General descriptions of the indoor environment with respect to each karaoke are summarized in Table 3.5 below.

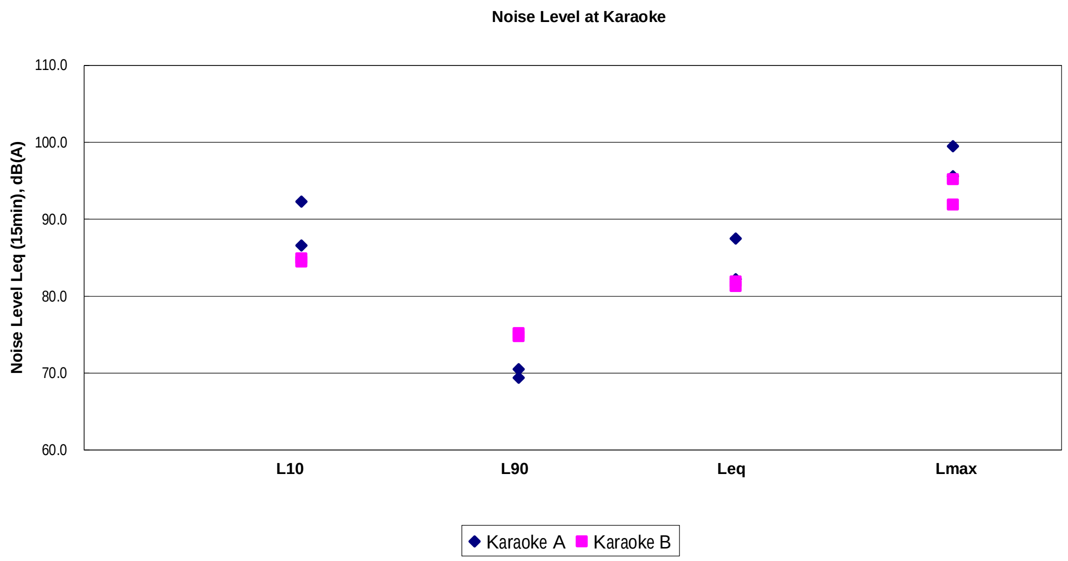
Table 3.5 Description of Monitoring Venues (Karaoke)

Venue	Location	Day	Approximate Floor Area (m^2)	Floor Height (m)	Occupancy
Karaoke A	Shopping mall in Causeway Bay	Thursday	7.5	2.5	N/A
Karaoke B	Shopping mall in Tuen Mun	Saturday	240	2.5	High

Note: High occupancy denotes occupancy of 81 percent or more;
Medium occupancy denotes occupancy between 61 and 80 percent;
Low occupancy denotes occupancy of 60 percent or less.

The noise levels recorded in the two karaokes during peak hours are shown in Figure 3-69.

Figure 3-69 Measured Noise Levels at Karaoke



Karaoke A is located in a shopping mall in Causeway Bay. Small individual rooms with audio and video system are available to hire on hourly basis. The room where the noise monitoring was conducted could serve six adults at the same time. On the other hand, Karaoke B is located in a shopping mall in Tuen Mun where all occupants are all contained within a spacious lounge.

The measured noise levels ranged between 81.3 and 87.5 dB(A) with a maximum noise level recorded in a karaoke room (Karaoke A) with an approximately spatial volume of 19 cubic meter. In a more spacious area of a karaoke lounge (Karaoke B), the recorded noise level was 1 to 6 dB(A) lower. As absorptive noise insulation is installed in karaoke as a usual practice, reverberant effect is not dominant in this type of venue. The crucial factor contributing to the noise level in the small karaoke room of Karaoke A was strongly depended on the how the occupiers' attitude towards the volume of the music. Some people might prefer to set the speaker level to high for more enjoyment while some might not. Since the audio system at the open lounge at Karaoke B was out of reach of the occupants, a relatively constant noise level was resulted.

In general, a higher noise level was recorded at locations in proximity to the loud speakers that arranged evenly around the upper corners of the karaoke room of Karaoke A and the lounge of Karaoke B.

3.2.7 Noise Level at Bar

Noise measurement has been conducted at three bars during peak business hours. No specific noise absorptive materials have been incorporated in the interior design of the venues.

General descriptions of the indoor environment as well as the recorded noise level with respect to each bar are summarized as follows.

Figure 3-70 Measured Noise Levels at Bar

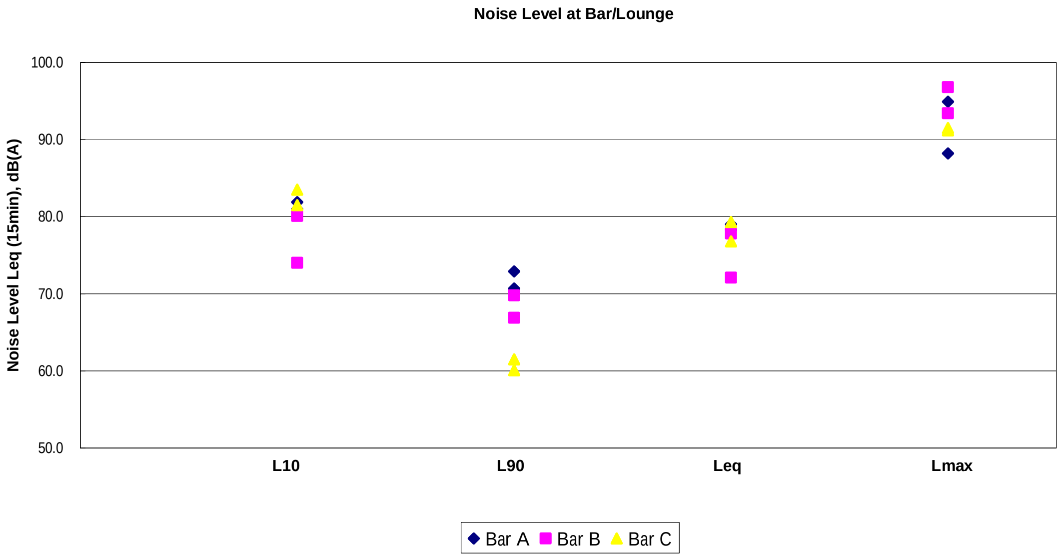


Table 3.6 Description of Monitoring Venues (Bar)

Name	Location	Spatial Space (m^3)	Starting time of monitoring	Background Music Noted	Range of Noise Level, dB(A)
Bar A	Street level, Castle Peak Rd., Tuen Mun	1,600	2300	Western Pop	78.3 ~ 79
Bar B	Street level, Quarry Bay, Hong Kong	600	1800	Jazz	72.1 ~ 77.8
Bar C	Street level, Causeway Bay, Hong Kong	600	1930	Western Pop	76.8 ~ 79.3

The measured result indicated that noise levels range from 72.1 dB(A) to 79.3 dB(A). The highest value was observed when measurement was carried out concurrently with music and conservation at Bar C. The dominant noise source observed at all surveyed bars is background music mainly western pop song. Beside the background music, the representative noise generating activity is chatting of which it contributed a portion to the overall noise level recorded.

As shown in the above table, there is an approximately 2 dB(A) difference in noise levels between all these three bars. Bar A occupied the largest area of approximately 1600 cubic meter while the other two bore similar spatial space of 600 cubic meter. A higher occupancy is observed at Bar A during night time at 2300 compared to others where monitoring is taken during Happy Hour, thus a relatively higher noise level is recorded. The range of levels indicates that all surveyed bar are experiencing similar noise levels with dominant locations at positions closed to the loud speakers.

3.2.8 Noise Level at Game Centre

Noise measurement has been conducted at five game centres during peak business hours. All these games centres possess similar interior environment including uncarpeted floor and bare concrete wall.

General descriptions of the indoor environment with respect to each game centre are summarized as follows.

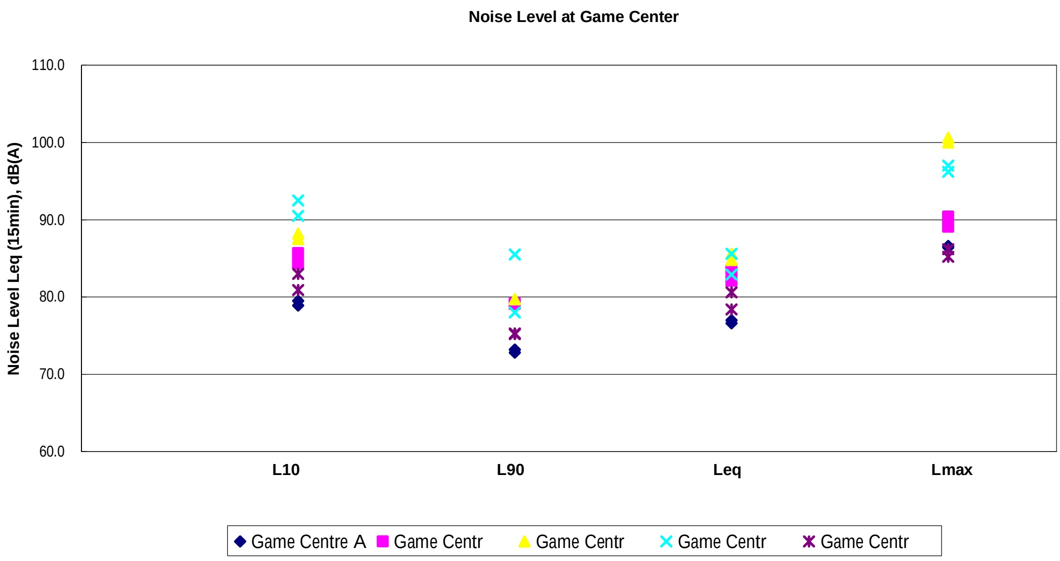
Table 3.7 Description of Monitoring Venues (Game Centre)

Venue	Type	Approximate Floor Area (m^2)	Ceiling Height (m)	Occupancy
Game Centre A	TV Game	225	2.7	Low
Game Centre B	TV Game	600	3	High
Game Centre C	Adventure	1500	4	High
Game Centre D	TV Game	700	2.7	High
Game Centre E	Adventure	800	3	Med

Note: High occupancy denotes occupancy of 81 percent or more;
Medium occupancy denotes occupancy between 61 and 80 percent;
Low occupancy denotes occupancy of 60 percent or less.

The overall noise levels recorded at various venues are illustrated in Figure 3-71.

Figure 3-71 Measured Noise Levels at Game Centre



With respect to the noise monitoring results at TV Game Centres, the noise levels ranged from 76.6 to 85.6 dB(A) and 76.1 to 86.1 dB(A) at a dominant location near the player and observer, respectively. The main noise source was observed to be the operation of those game machines. A high L_{max} of above 100 dB(A) was recorded at Game Centre C during the bingo moment.

As revealed in the above table, Game Centre A occupied the least floor area of only 225 sq m, and thereby contained less TV game machines than others. Together with such a low occupancy observed during the monitoring period, a lower noise level than others was resulted in Game Centre A.

Peoples in both TV game and Adventure types game centres were exposed to high noise levels. No particular trend is observed from the noise monitoring results for both the player and observer. At both the TV Game Centres and Adventure Game Centres, the noise level exposed to player is comparable to those recorded at observers. Although the observers are located at a position farther then the noise source experienced by the player from a particular game machine, they are concurrently subject to multiple noise sources from various surrounding game machines.

3.2.9 Noise Level at Concert Hall

Noise measurement has been carried out at five concert halls during performance time to capture the sound levels for various types of performance.

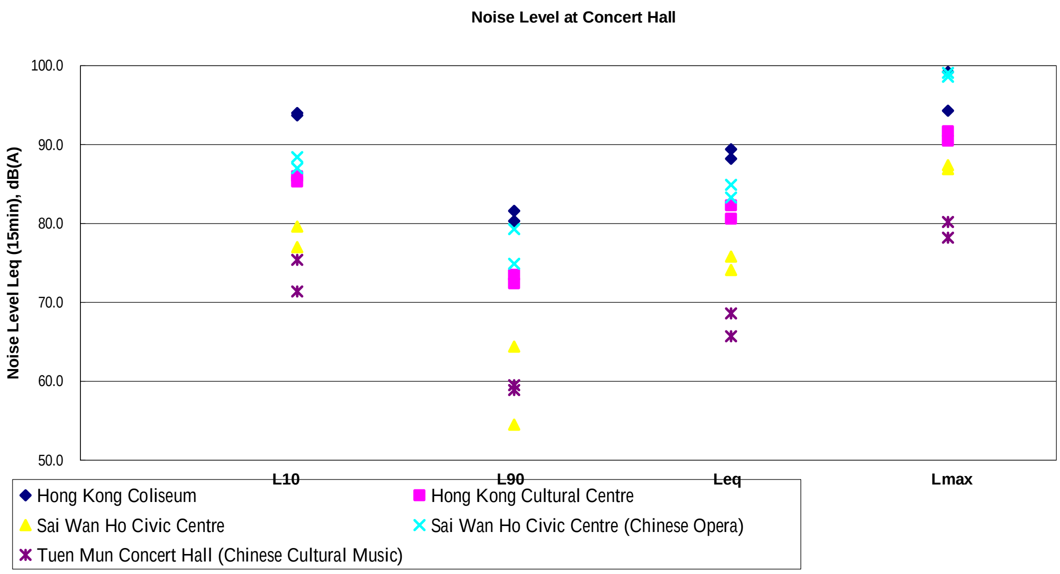
General descriptions of the indoor environment with respect to each concert hall are summarized as follows.

Table 3.8 Description of Monitoring Venues (Concert Hall)

Venue	Performance	Description
Hong Kong Coliseum	Concert	Cantonese Pop Songs
Hong Kong Cultural Centre	Interactive Workshops	Seminar and Discussion
Sai Wan Ho Civic Centre	Dance Show	Ballet
Sai Wan Ho Civic Centre	Concert	Cantonese Opera
Tuen Mun Concert Hall	Cultural Performance	Chinese Cultural Dance

The noise levels, L_{eq} and L_{max}, recorded at various venues are illustrated in Figure 3-72.

Figure 3-72 Measured Noise Level at Concert Hall



As revealed by the monitoring results, the range of sound levels lied between 67.4 and 88.8 dB(A) for various performances in Concert Halls. The highest value was noted when measurement was carried out during a Cantonese pop music concert at the Hong Kong Coliseum.

A moderately high ambient sound level (L_{90}) of greater than 70 dB(A) is generally experienced in Concert Halls as revealed by the monitoring result. Amongst 5 of the performances/events, except for the Chinese cultural performance and the ballet performance, all locations are exposed to sound levels (L_{eq}) of higher than 80 dB(A).

The interactive workshop held in the Hong Kong Cultural Centre provided opportunities for both the audience and speakers to speak in turns, group discussions are also involved, thus giving a typical high noise level ranges between 80.6 to 82.3 dB(A).

Both ballet and Chinese cultural dance performances result in a mild and gentle sound level. The low background music observed during both performances contributed to a low overall sound level measured. As the conversation between audiences was not the major noise contribution of the noise levels, occupancy of concert hall was not considered as a dominant noise source for high measured noise levels.

3.2.10 Noise Level at Swimming Pool and Beach

Noise measurement has been conducted at four venues of swimming pools and beaches. Swimming pool was specifically chosen so as to capture the noise environment respectively under an indoor and outdoor condition.

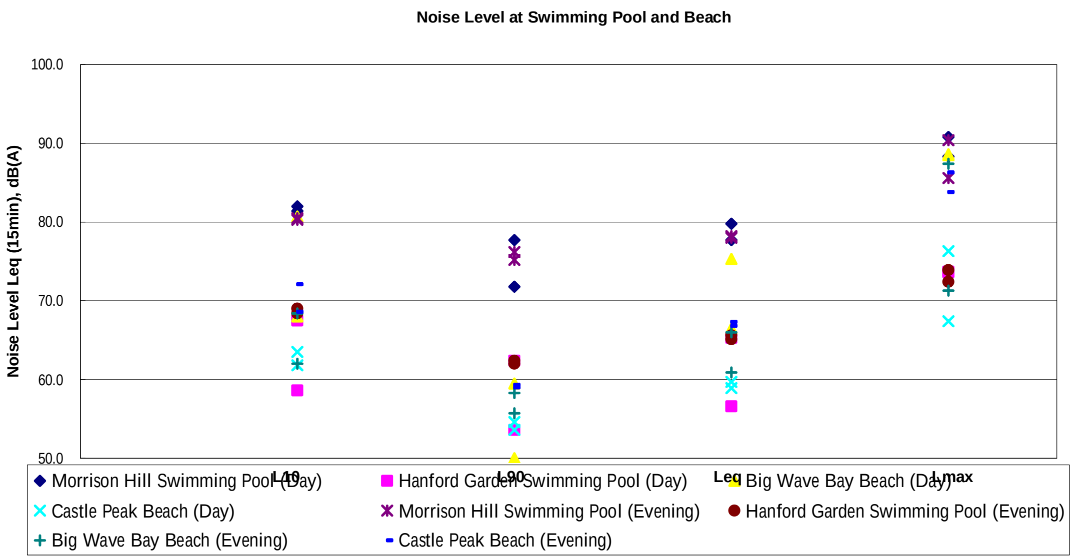
General descriptions of the noise environment with respect to each venue are summarized as follows.

Table 3.9 Description of Measured Venues (Swimming Pool and Beach)

Venue	Type	Day	Weather	Remarks
Morrison Hill Swimming Pool	Indoor	Saturday	Cloudy	Swimming class, PA system
Hanford Garden Swimming Pool	Outdoor	Sunday	Fine	Poor occupancy
Big Wave Bay Beach	Outdoor	Saturday	Sunny	In proximity to BBQ spot, presence of food stalls, kids playing
Castle Peak Beach	Outdoor	Saturday	Sunny	Poor occupancy

The overall noise levels recorded at various venues are illustrated in Figure 3-73.

Figure 3-73 Measured Noise Levels at Swimming Pool and Beach



The measured result (L_{eq}) ranged from 56.6 dB(A) to 79.8 dB(A). The highest value was recorded at Morrison Hill Swimming Pool in the evening. It was the only indoor swimming pool selected for this Study while the others are located in open spaces. Under the enclosed environment, together with the presence of a swimming class comprised of youngsters, the noise level during daytime was noted to be the highest amongst others.

The swimming pool at Hanfold Garden was located on podium level at one of the residential blocks. Poor occupancy was noted on a cloudy day, which gave rise to a low noise level which ranged between 56.6 and 65.6 dB(A). By comparing both values of L_{eq} and L_{90}, the equivalent sound level for the entire monitoring period was comparable with the ambient sound level and thus the result was consistence with the observation. Water-splashing sound was observed to be the dominant noise source.

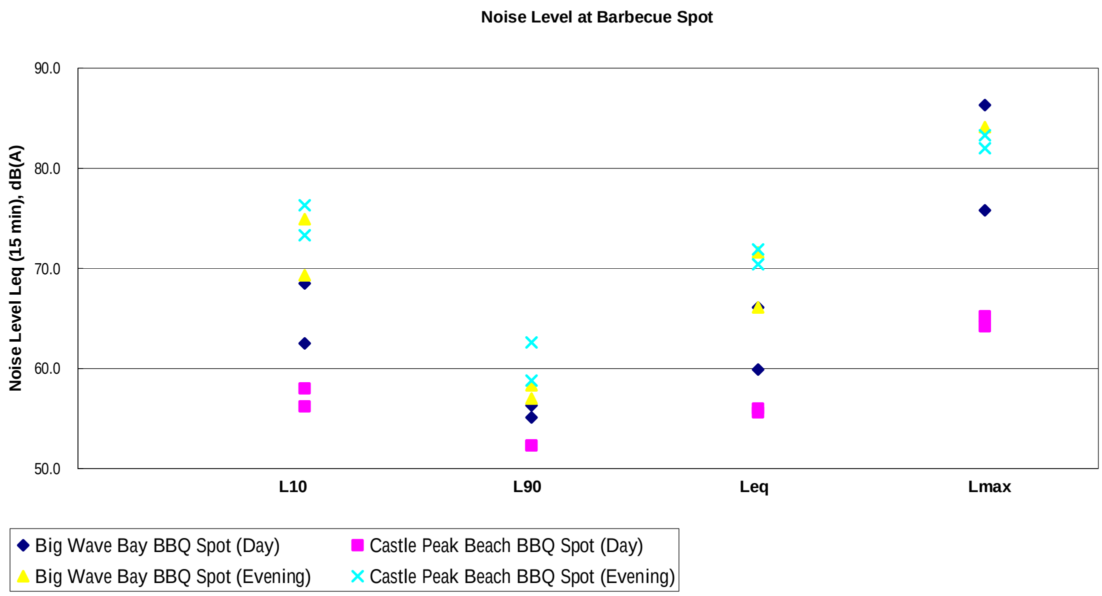
For the case of swimming beaches, the monitored noise levels lied between 58.9 to 75.7 dB(A). A comparatively low noise level was noted at the Castle Peak Beach compared to Big Wave Bay Beach, as a result of poor occupancy as well as the lack of significant noise generating activities.

3.2.11 Noise Level at Barbecue Spot

Noise measurement has been conducted at two Barbecue spots. All visited sites were located in open space in proximity to the beaches.

The noise levels recorded at various venues are illustrated in Figure 3-74.

Figure 3-74 Measured Noise Levels at Barbecue Spot



The noise level recorded at Big Wave Bay BBQ Spot ranged between 59.1 to 71.6 dB(A) with the maximum values occurred at evening time. A higher occupancy was noted at Evening time than Day time, as revealed by the measured results. The ambient environmental of the venues was quite quiet with a noise level of around 59.1 dB(A). Chatting noise from people gathered around the BBQ spot contributed significantly to the noticeable increase in noise level.

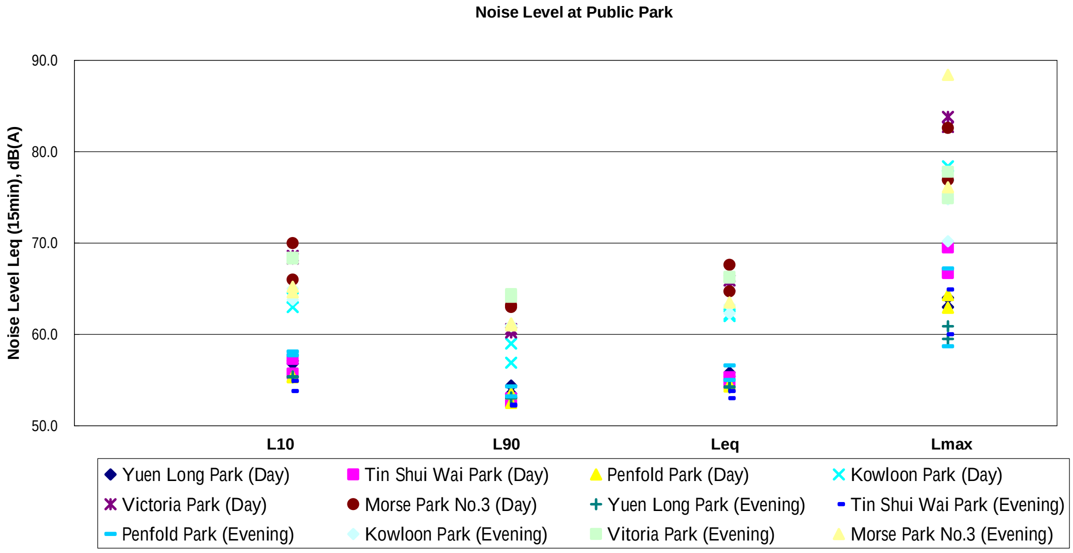
On the other hand, Castle Peak Bay BBQ Spot was more popular at daytime. No noise generating activities was spotted during noise measurement at Evening time and thus giving a low level of 55.6 dB(A). A difference of approximately 17 dB(A) was noted between L_{eq} and L_{90}. Such difference indicated the occurrence of noise generating activities, such as chatting in this case.

The dominant noise generating activity observed during the entire monitoring is mainly chatting. Both the concerned BBQ spots are in proximity to the beaches. The rumbling sound of sea wave contributed greatly to the ambient noise level. The L_{90} value was determined to range between 52.3 and 58.8 dB(A), which was comparable to those obtained at beaches obtained previously during different time periods, and did not contribute significantly to the overall noise level measured at the dominant location.

3.2.12 Noise Level at Public Park

Noise measurement has been conducted at six public parks of various sizes and locations. The noise levels recorded are illustrated in Figure 3-75.

Figure 3-75 Measured Noise Level at Public Park



The measured result indicates that noise levels (L_{eq}) ranged from 53.0 dB(A) to 67.6 dB(A). The highest value was recorded at Morse Park No.3 in a weekday morning.

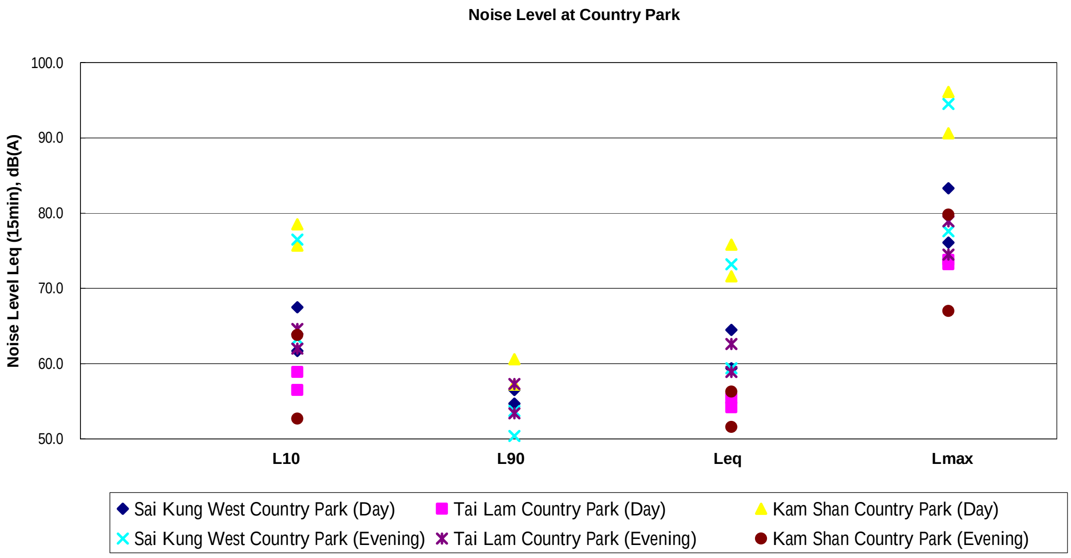
Generally, three out of six public parks namely Morse Park, Victoria Park and Kowloon Park located in the urban area experienced a higher ambient noise level (L_{90}) of greater than 60 dB(A) compared to those located in New Territories. The noticeable traffic noise was not dominant, however, it might still have an effect to the background noise level.

The low little difference between L_{10} and L_{90} recorded for all noise monitoring sites revealed the fact that the dominant noise generating activity observed on sites did not contribute significantly to the overall noise level. Such activities include chess-playing, jogging and practicing martial art. Under the monitoring condition, all the public parks of concerned park were experiencing similar noise levels.

3.2.13 Noise Level at Country Park

Noise measurement has been conducted at three country parks. The noise levels recorded are illustrated in Figure 3-76.

Figure 3-76 Measured Noise Level at Country Park



The measured result indicated that noise levels for all Public Park of concerned ranged between 51.6 dB(A) to 75.8 dB(A). The highest value was recorded at Kam Shan Country Park during day time.

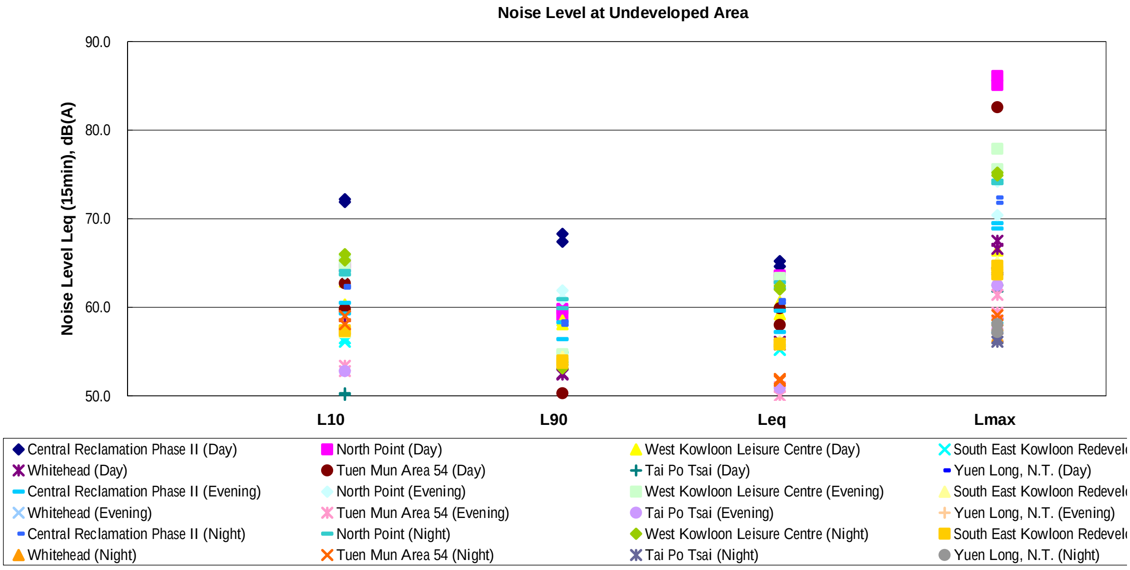
Regarding to the large coverage of the noise monitoring area, the reference noise monitoring locations were separated at a distance of more than 3,000m. To present the general background noise of country parks at various locations and topographic conditions, different locations were selected respectively for day and evening time measurements.

The distinctively high noise level recorded at Kam Shan Country Park at day time was constituted by a large group of visitors composed of 40 members who gathered around the pavilion. The presence of visitors was also reported for Tai Lam Country Park during the entire monitoring period. However, as they were scattered distinctively around the monitoring area, no significant noise level was noted in the results. Generally, the measurement location and the occupancy were the main factors to affect the noise measurement results.

3.2.14 Noise Level at Undeveloped Area

Noise monitoring at eight undeveloped area identified in Hong Kong are depicted in Figure 3-77.

Figure 3-77 Measured Noise Levels at Undeveloped Area



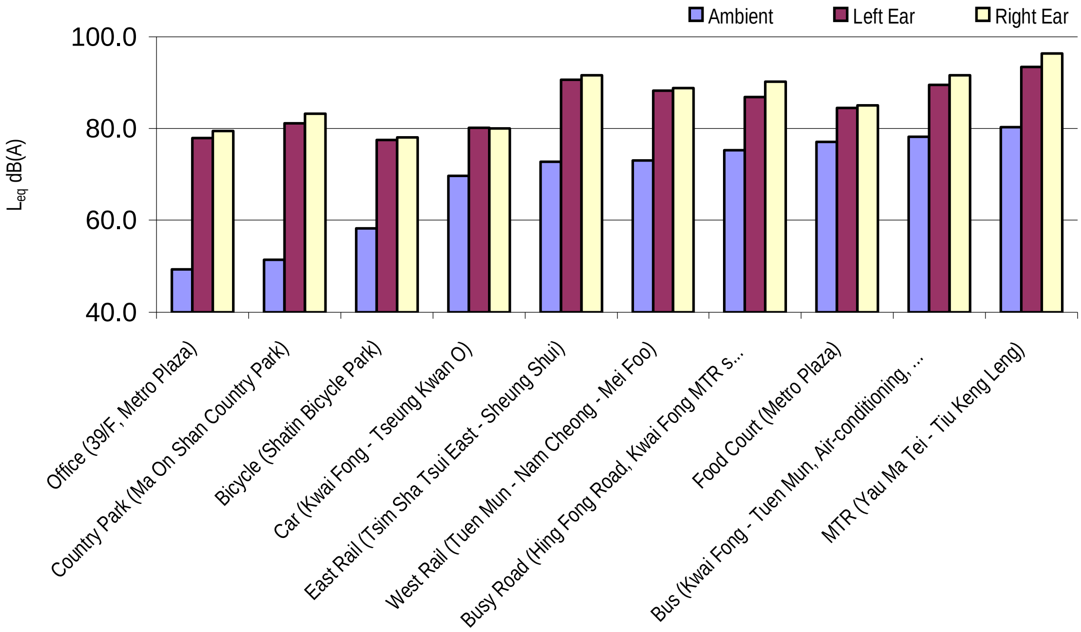
According to the monitoring result as shown in the above Table, the intensity of noise level recorded was strongly depended on site locations. For sites located in proximity to heavy road traffic, e.g. sites at Area in West Kowloon Reclamation, a comparatively higher ambient noise level of more than 60 dB(A) was recorded compared to those located in remote area.

Due to the current status of these sites of concerned are undeveloped, no noise generating activity is expected. The noise monitoring results were consistence with the field observation as the sound level measured was compared to the ambient level (L_{90}).

3.2.15 Noise Levels for Personal Audio Players

Results of the noise measurement under simulated conditions for personal audio players are tabulated in Figure 3-78.

Figure 3-78 Noise Levels for Personal Audio Player



The monitoring result revealed that the ambient noise levels in office, private car, country park and bicycle park which ranged from 49.3 to 58.3 dB(A), were comparatively lower than expected, whereas food court, busy road at Kwai Fong, and other public transportation including MTR, bus, KCR East Rail and West Rail were found to have a higher ambient noise at a range from 69.6 to 80.3 dB(A). The highest ambient noise level was noted in the MTR electric multiple unit.

It is interestingly to note that under a quiet ambient noise level (i.e. below 70 dB(A)), people tended to listen to their portable personal audio player to a level at approximately 80 dB(A) regardless of the music type and age group of the participants. On the other hand, under a high ambient noise level, for example inside a MTR electric multiple unit, listeners raised headphone volume levels to a range between 85 and 96.4 dB(A) in order to drown out ambient noise especially when open-air headphones were used instead of closed-ear headphones that substantially attenuate ambient noise.

With the use of closed-ear headphones at the noisy Food Court during lunch hour, an obvious reduction in headphone volume was resulted and so was the difference in noise level monitored between the ambient and headphone.

3.2.16 Noise Attribution by Types of Social Venues

By the nature of activities carried out in those surveyed venues, all venues are generally divided into three types, restaurants, places of public entertainment and recreational places.

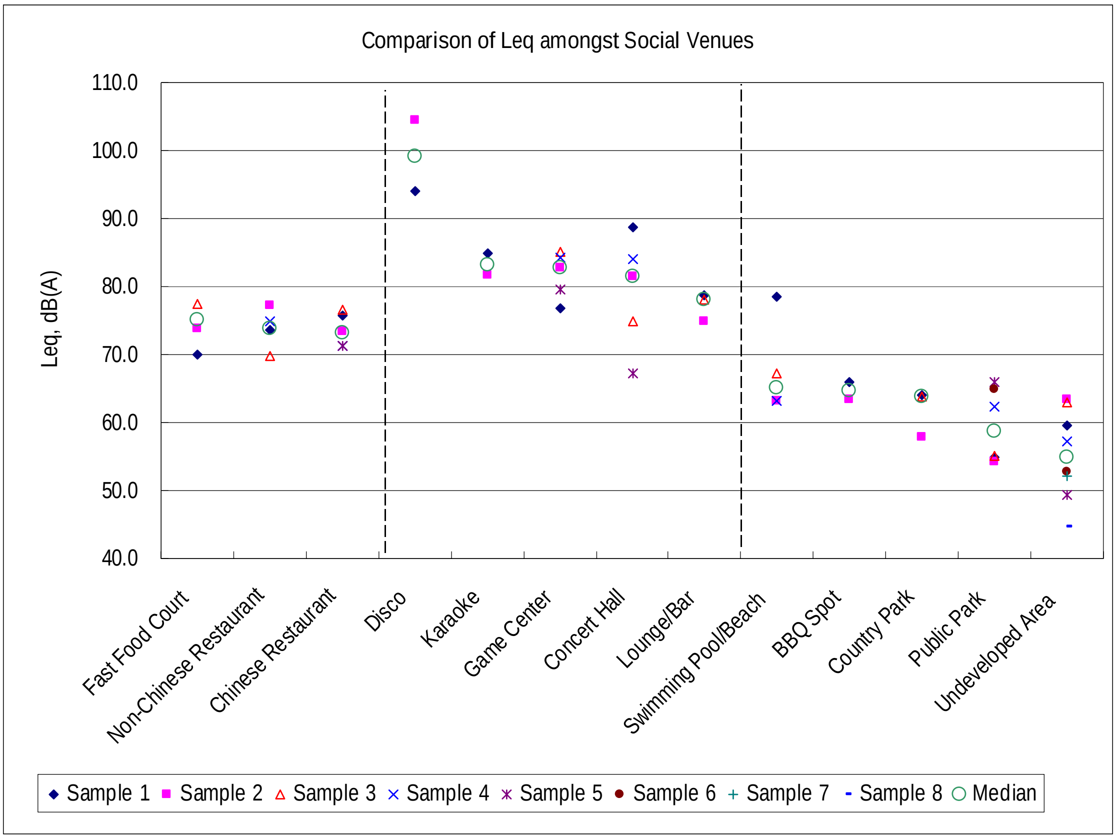
There are a number of key findings relating to the work carried out as part of this Study. The noise monitoring has provided a robust basis for assessing the existing noise environment in the common social venues in Hong Kong.

The noise measurements have allowed a significant amount of noise data to be accumulated on existing noise levels across those social venues in Hong Kong. Although these monitoring results are not to provide statistically representative noise data with respect to various types of social venues, it serves as useful resource for future relevant studies.

Table 3.10 Overview of the Noise Levels observed at social venues

Type of Venue	Social Venue	Measured Noise Level, $L_{eq\ (15min)}$		Noise attributing factor(s)
		Min, dB(A)	Max, dB(A)	
Restaurant	Chinese Restaurant	66.4	79.7	Occupancy, Style of Operation
	Non-Chinese Restaurant	64.8	83.4	Occupancy
	Hong Kong Style Cafe & Food Court	65.7	80	Occupancy, Public Announcing System
Places of Public Entertainment	Game Centre	76.6	85.6	Occupancy
	Disco	93.7	106.2	Occupancy
	Karaoke	81.3	87.5	Occupancy, Location (individual room/lounge)
	Bar	72.1	79.3	Occupancy
	Concert Hall	65.7	89.4	Performance Type
Recreational Places	Country Park	51.6	75.8	Occupancy, Location
	Swimming Pool	56.6	79.8	Location (indoor/outdoor)
	Public Park	53	67.6	Location, Occupancy, Activities
	Beach	58.9	75.3	Occupancy
	Barbecue Spot	55.6	71.9	Occupancy
Undeveloped Area		41.3	65.2	Location
Personal Audio Players		77.8	95.1	Location

Figure 3-79 Noise Levels observed at Social Venues



The above table shows the range of average noise monitoring results as well as the attributing factors observed during the entire measurement periods for the fifteen types of identified social venues. As illustrated in previous sections, the attributing factors to the overall noise level recorded are dependent on the types of concerned social venues. A single factor or multiple factors might be involved, as observed in Game Centres and Public Parks, respectively, depending on the type and/or nature of the activity.

An increase of 10 dB(A) is equivalent to doubling the loudness, and a 20 dB(A) increase is equivalent to a fourfold increase in loudness. The variability in noise levels would generally be associated with the distance from the noise source as well as the presence and extent of screening between the noise source and monitoring location. The spatial volume of venue would also have some influence. The results of the measurements demonstrate that there is a wide range of noise levels associated with nominally same type of venue.

Although the noise survey locations were not chosen to be statistically representative of those social venues, the measurements are compared on a like-to-like basis. The noise level arising from various types of venues is ranked in the following descending order: places for public entertainment, restaurants and then recreational places.

Places of Public Entertainment

As expected, the highest noise levels were obtained in disco. Having studied the measured noise results further, noise level on the dance floor areas is determined to range between 93.2 and 108.9 dB(A) which was also higher than that in the "chillout area" with levels ranging from 92.1 to 101.5 dB(A).

Although lower than the dance floor, it is important to note that noise levels in the chillout areas are still significant and it is no doubt that those occupants would suffer from extremely high level once they are in disco. Both discos surveyed did not provide any obvious chillout areas. Noise levels of the sort of 'chillout areas' were recorded to range from 99 dB(A) to over 100 dB(A) which was much higher than those obtained upon other surveyed places. The lack of adequate chillout space for occupants is a cause for concern as it means people are unable to take breaks inside the venue from high noise levels on the dance floor when they want to.

Restaurants

Noise monitoring was conducted at different types of restaurants including Chinese Restaurant, Non-Chinese Restaurant as well as Fast food and Hong Kong Style Restaurant. The range of measured noise level was noted to lie between 64.8 and 83.7 dB(A). Unexpectedly, the highest noise level was obtained in Non-Chinese Restaurant. As observed during the monitoring, the uncarpeted floors and bare walls, which could easily be found in Chinese restaurants, are believed to make the environment unbelievably noisy. Sounds from conversations were reflected off the walls and floors with very little loss of reverberant energy. In such surroundings, people have to speak louder to make them heard, which results in an increased noise level. On the contrary, with the incorporation of sound absorptive materials such as partitions, carpets or even tablecloth as noted in other restaurants could produce a much healthier environment as far as noise is concerned.

Recreational Places

An undeveloped area at Fung Lok Wai, Yuen Long is recorded to be the quietest place amongst others during the entire monitoring period. This place is currently unoccupied and surrounded by fishponds. Due mainly to its remoteness, no noise generating activity is observed. In this connection, it is not surprised to have a lower noise level than those recorded at dominant locations of the concerned public parks and country parks.

Public parks, being the second quietest place in this Study, experienced a low noise level ranged between 53.4 and 66.4 dB(A). Due mainly to the type and nature of activities observed in the concerned public park, including Martial Arts, chess playing as well as jogging, the monitored noise level was comparable to the ambient level which was mainly contributed by nearby traffic noise.

Personal Audio Player

It is interesting to note that under a quiet ambient noise level (i.e. below 70 dB(A)) environment, for example in office, and country park, people tends to listen to portable personal audio player at a level of approximately 80 dB(A) regardless of the music type and age group of the participants. On the other hand, under a high ambient noise level inside a MTR train compartment, listeners raised headphone volume levels to over 80 dB(A) in order to drown out ambient noise, especially when open-air headphones are used. With the use of closed-ear headphones at the noisy Food Court during lunch hour, an obvious reduction in headphone volume was resulted and so was the difference in noise level monitored between the ambient and headphone.

3.3 Noise Mitigation Measures

3.3.1 General Information

Dates and Locations

Noise measurement at those identified sites with vertical barriers, cantilevered barriers, enclosures, podium barriers, balconies and structural fins were conducted as detailed in Table 3.11. The measurement locations for each site were illustrated in Appendix D.

Table 3.11 Details of Noise Measurement

Type of Mitigation Measures	Date of Measurement	Site Ref. No.	Subjected Road [Receiver Location] *(Before / After Site)*	Approximate Dimensions of Mitigation Measures #
Vertical Barrier	15/7/2005	1	Ting Kok Road near Po Sam Pai [Public lavatory at Ting Kok Road, opposite to Po Sam Pai Tsuen*] *(Before site)*	2.7m (H) 35m (L)
		2	Ting Kok Road near Po Sam Pai [Village house along Ting Kok Road*] *(After site)*	
	14/7/2005	3	Castle Peak Road – Tai Lam Section, So Kwun Wat [Ivanhoe Villa, Castle Peak Road – Tai Lam Section, So Kwun Wat*] *(Before site)*	5m (H) 275m (L)
		4	Castle Peak Road – Tai Lam Section, So Kwun Wat [Village house, Castle Peak Road – Tai Lam Section, So Kwun Wat*] *(After site)*	
	19/3/2005	5	Fo Tan Road, Fo Tan [Public lavatory close to Sha Tin Commercial Centre*] *(Before site)*	4m (H) 310m (L)
		6	Fo Tan Road, Fo Tan [Village house at Fo Tan Tsuen, Fo Tan*] *(After site)*	
	29/10/2004	7	Police School Road, Wong Chuk Hang [Façade at Blk 2, Wong Chuk Hang Estate, Wong Chuk Hang*] *(Before site)*	5.6m (H) 130m (L)
		8	Police School Road, Wong Chuk Hang [C.C.C. Kei Hang Primary School, Wong Chuk Hang*] *(After site)*	
	14/3/2005	9	Tung Wui Road, Kam Tin [Public Toilet*] *(Before site)*	3.5m (H) 65m (L)
		10	Tung Wui Road, Kam Tin [Village house behind barrier*] *(After site)*	
Cantilever Barrier	19/3/2005	11	Wong Tai Sin Road [Lung Cheung Government Secondary School – 1, 3, 5/F] *(Before site)*	8m (H) 130m (L)
		12	Wong Tai Sin Road [Tat Sin House, Upper Wong Tai Sin Estate - 3, 6, 9/F] *(After site)*	
	11/3/2005	13	Sham Mong Road [Fu Ying House, Fu Cheong Estate – 6, 9, 12/F] *(Before site)*	6.5m (H) 215m(L)

Type of Mitigation Measures	Date of Measurement	Site Ref. No.	Subjected Road [Receiver Location] *(Before / After Site)*	Approximate Dimensions of Mitigation Measures #
		14	Sham Mong Road [Cheong Yat House, Nam Cheong Estate – 6, 9, 12/F] *(After site)*	
Cantilever Barrier	3/1/2005	15	Tsing Yi Road [Ching Yung Hse, Cheung Ching Estate – 1, 3, 6/F] *(After site**)*	8m (H) 105m (L)
	18/3/2005	16	Kam Tin Road [Village house behind barrier*]*(After site**)*	7.5m (H) 42m(L) (Section of the barrier in front of the village house)
Enclosure	22/2/2005	17	Castle Peak Road - Siu Lam to So Kwun Wat [Slope at Castle Peak Road*] *(Before site)*	6.5m (H) 160m (L)
		18	Castle Peak Road - Siu Lam to So Kwun Wat [Village house behind the semi-enclosure*] *(After site)*	
	5/1/2005	19	Po Shun Road [King Yung Hse, King Lam Estate, Tseung Kwan O – 6, 10, 15/F] *(After site**)*	11m (H) 120m (L)
	2/6/2005	20	Wong Chu Road [Oi Yee House, Yau Oi Estate] *(After site**)*	12m (H) 245m (L)
Podium Barrier	17/2/2005	21	Hiu Kwong Street [Hiu Shun House, Hiu Lai Court, Sau Mau Ping – 6, 9, 12/F] *(Before site)*	10m (Podium height including a short vertical barrier 30m in length)
		22	Hiu Kwong Street [Hiu Wo House, Hiu Lai Court, Sau Mau Ping – 3, 6, 9/F] *(After site)*	
	4/2/2005	23	Tong Ming Street [Sheung Lai House, Sheung Tak Estate, Tseung Kwan O – 2, 7, 12/F] *(After site**)*	21m (Podium height)
	8/2/2005	24	Tung Chi Street [Yan Shek House, Shek Yam Estate – 2, 7, 14/F] *(After site**)*	30m (Podium height)
	24/2/2005	25	Kwai Shing Circuit, Kwai Chung [Shing On House, Kwai Shing East Estate – 7, 10, 13/F] *(Before site)*	15m Podium height
		26	Kwai Shing Circuit, Kwai Chung [Shing Yat House, Kwai Shing East Estate – 3, 6, 9/F] *(After site)*	
Balcony	21/1/05 (6/F)	27	Sheung Shing St, To Kwa Wan [Sun View Garden, 67 Sheung Shing St, To Kwa Wan]	1.5m (L) x 1.3m (W) x 2.8m(H) (Balcony dimensions)
	10/8/05 (19/F)	28	Kwong Wai Street, Yau Ma Tei [Paradise Square, Kwong Wai Street}	2.9m (L) x 0.7m (W) x 2.8m(H) (Balcony dimensions)

Type of Mitigation Measures	Date of Measurement	Site Ref. No.	Subjected Road [Receiver Location] *(Before / After Site)*	Approximate Dimensions of Mitigation Measures #
	6/1/2005 (4/F) 17/1/2005 (6/F)	29	Shun Yung Street, To Kwa Wan [Marigold Mansions, No. 2 Shun Yung St., To Kwa Wan]	1.5m (L) x 1.3m (W) x 2.8m(H) (Balcony dimensions)
Structural Fin	17/1/2005 (7/F) 20/1/05 (13/F)	30	Castle Peak Road – Castle Peak Bay Section [Block 6, Villa Tiara near Castle Peak Road]	1m (Fin length)
	20/1/2005 (2/F, 3/F)	31	Tai Hong Street, Shau Kei Wan [Hong Shui House, Hong Tung Estate, Lei King Rd., Shau Kei Wan]	1m (Fin length)

H – Height, L – Length, W – Width
* 2 measurement points respectively at low and high levels
** After site – Noise measurement by Indirect Prediction Method

Weather Conditions

The weather conditions on site were checked to ensure that the measurements were made only during 'dry' weather conditions without the presence of fog and rain. The wind speed had been checked to ensure that the wind speed did not exceed 5m/s and 10m/s in any direction for steady and gusty wind respectively.

Instrumentation

The noise measurement instruments used for the surveys are listed in Table 3.12. The sound level meters comply with IEC Publications 651:1979 (Type I) and 804:1985 (Type I).

Table 3.12 Instruments used for Noise Measurement Surveys

Model	Serial Number
B&K 2236	1849734
NL 31	00410685 & 00410224
NA 27	00201194

Calibration of Instruments

The sound level meters were calibrated on site immediately before the measurement using the calibrator and, further checks on completion of the measurements confirmed that measurements could be accepted as valid with the calibration levels before and after agree to within 1.0dB(A).

Measurement Data

The A-weighed statistical noise levels including L_{eq}, L_{10}, L_{90} and L_{max} were collected in the noise measurements.

For each measurement period, traffic data during measurement period for each bound of the main road facing the measurement point and some adjacent roads with noise contribution to receivers was collected. The traffic flow observed at the time of conducting the noise measurement was 'smooth" and free from any traffic congestion.

3.3.2 Results of Noise Measurement

The detailed noise measurement records (field logs) at the location sites with vertical barriers, cantilever barriers, enclosures, podium barriers, balconies and structural fins are given in Appendix E. The calculation methodology for the summary of measured noise levels with cross references is detailed in Appendix G.

Vertical barrier

The measured noise levels of "after" receiver and "before" receiver at each site are summarised in Tables 3.13 to 3.17 In the following tables, Receiver sites 1 and 2 are two locations distant apart in front of the same building façade, as shown in the figures in Appendix D. Besides, in each barrier location, the selected "Low" and "High" measurement levels at "before" site are similar to that at "after" site with respect to the subjected road elevation. Details of the measurement levels can be referred to Appendix E.

On comparing the site conditions of the "before" and "after" sites, differences are found in respect of the receiver's angle of views, distances from road and traffic flow at Ting Kok Road, Castle Peak Road and Fo Tan Road respectively. Therefore, corrections on the measured noise levels at the receivers and reference points of the "before" site were made. The correction details are presented in Appendix F.

On comparing the percentage of heavy vehicles recorded at Fo Tan Road, the percentage of heavy vehicles at before and after sites are more or less the same. Therefore, this will not be taken into account for estimating the noise level corrections.

Table 3.13 Summary of Measured Noise Levels (with corrections) at Ting Kok Road near Po Sam Pai (Sites 1 & 2)

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	71.5	71.2	71.5	71.2
	"After"	71.4	71.5	71.4	71.5
Low Level	"Before"	71.7	71.4	71.8	71.6
	"After"	67.3	67.9	66.1	66.8
High Level	"Before"	71.4	71.5	71.8	71.2
	"After"	67.7	68.3	66.7	67.1

Table 3.14 Summary of Measured Noise Levels (with corrections) at Castle Peak Road (Tai Lam Section) (Sites 3 & 4)

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	77.0	71.9	77.0	71.9
	"After"	76.9	72.5	76.9	72.5
Low Level	"Before"	67.8	67.9	68.1	68
	"After"	61.7	62.7	62.9	64.3
High Level	"Before"	68.1	68	67.7	68.2
	"After"	62.6	63.8	62.9	64.1

Table 3.15 Summary of Measured Noise Levels (with corrections) at Fo Tan Road (Sites 5 & 6)

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	79.0	80	79	80
	"After"	79.4	79.6	79.4	79.6
Low Level	"Before"	73.2	73.9	73.6	73.8
	"After"	64.3	63.7	64.2	63.6
High Level	"Before"	72.7	73.2	72.3	73.4
	"After"	64.2	63.4	63.9	63

Table 3.16 Summary of Measured Noise Levels at Police School Road at Wong Chuk Hang (Sites 7 & 9)

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	70.4	70.0	70.4	70.0
	"After"	72.4	72.2	72.4	72.2
Low Level	"Before"	70.6	69.7	71.6	72.3
	"After"	65.4	63.6	64.5	64.4
High Level	"Before"	67.6	66.6	68.3	68.8
	"After"	63.6	61.4	63.7	63.1

Table 3.17 Summary of Measured Noise Levels at Tung Wui Road, Kam Tin (Sites 9 & 10)

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	68.3	69.0	68.3	69.0
	"After"	68.0	67.9	68.0	67.9
Low Level	"Before"	63.2	62.5	63.2	62.6
	"After"	55.8	55.5	56.1	56.0
High Level	"Before"	63.6	63.1	63.4	63.2
	"After"	57.2	56.6	57.0	56.6

Cantilever barrier

The measured noise levels of "after" receiver and "before" receiver at Wong Tai Sin Road and Sham Mong Road are summarised in Tables 3.18 and 3.19. For each barrier location, the selected "Low", "Mid" and "High" measurement levels at "before" site are similar to that at "after" sites with respect to the subjected road elevation. Details of the measurement levels can be referred to Appendix E.

On comparing the site conditions of the "before" and "after" sites at Sham Mong Road, differences are found in respect of the receiver's angle of views. Therefore, corrections on the measured noise levels at the receivers and reference point of the "after" site were made. The correction details are presented in Appendix F.

Table 3.18 Summary of Measured Noise Levels at Wong Tai Sin Road (Sites 11 & 12)

Location		Average of Measured Noise Levels, L_{10}, dB(A) Receiver site	
		A.M.	P.M.
Reference site	"Before"	77.8	77.6
	"After"	73.5	72.4
Low Level	"Before"	72.1	72.9
	"After"	61.8	60.6
Mid Level	"Before"	71.4	72.3
	"After"	61.3	61.9
High Level	"Before"	68.8	69.6
	"After"	60.2	60.9

Table 3.19 Summary of Measured Noise Levels (with corrections) at Sham Mong Road (Sites 13 & 14)

Location		Average of Measured Noise Levels, L_{10}, dB(A) Receiver site	
		A.M.	P.M.
Reference site	"Before"	70.2	69.9
	"After"	70.1	69.8
Low Level	"Before"	66.7	65.6
	"After"	56.3	56.4
Mid Level	"Before"	66.3	64.8
	"After"	59	58.9
High Level	"Before"	65.2	64.4
	"After"	58.7	58.7

The indirect prediction method is used to evaluate the noise levels at the "before" site receivers of the sites with cantilever barriers at Tsing Yi Road and Kam Tin Road. The measured noise levels of "after" receiver and the predicted noise levels of "before" receiver at these sites are summarised in Tables 3.20 and 3.21. Locations 1 and 2 at Kam Tin Road are distant apart in front of the same building façade, as shown in the figures in Appendix D. Details of the measurement "Low", ("Mid") and "High" levels can be referred to Appendix E.

The model results by "Roadnoise 2000" are shown in Appendix F.

Table 3.20 Summary of Measured / Predicted Noise Levels at Tsing Yi Road (Site 15)

Location		Average of Measured / Predicted Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Reference site	"Before"	78	78.2
	"After"	77.3	76.9
Low Level	"Before"	77	77.2
	"After"	63.6	63.0
Mid Level	"Before"	76.9	77.1
	"After"	65.8	65.0
High Level	"Before"	76.5	76.7
	"After"	70.1	69.9

Table 3.21 Summary of Measured / Predicted Noise Levels at Kam Tin Road (Site 16)

Location		Average of Measured / Predicted Noise Levels, L_{10}, dB(A)			
		Location 1		Location 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	77.3	78.1	77.3	78.1
	"After"	75.5	75.8	75.5	75.8
Low Level	"Before"	76	76.7	75.9	76.7
	"After"	64.5	64.0	64.3	64.3
High Level	"Before"	75.8	76.6	75.8	76.6
	"After"	65.3	65.1	65.6	65.2

Enclosure

The measured noise levels of "after" receiver and "before" receiver at Castle Peak Road - Siu Lam to So Kwun Wat Section are summarised in Table 3.22. Receiver sites 1 and 2 are two locations distant apart in front of the same building façade, as shown in the figures in Appendix D. Besides, in each barrier location, the selected "Low" and "High" measurement levels at "before" site are similar to that at "after" site with respect to the subjected road elevation. Details of the measurement levels can be referred to Appendix E.

The indirect prediction method is used to evaluate the noise levels at the "before" site receivers of the site with enclosures at Po Shun Road and Wong Chu Road. The measured noise levels of "after" receivers and the predicted noise levels of "before" receivers at these sites are summarised in Tables 3.23 and 3.24. Details of the measurement "Low", "Mid" and "High" levels can be referred to Appendix E.

The model results by "Roadnoise 2000" are shown in Appendix F.

Table 3.22 Summary of Measured Noise Levels at Castle Peak Road – Siu Lam to So Kwun Wat Section (Sites 17 & 18)

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	76.4	75.3	76.4	75.3
	"After"	74.9	74.3	74.9	74.3
Low Level	"Before"	75.2	74.2	76.5	74.8
	"After"	59.8	59.9	61.1	60.8
High Level	"Before"	74.9	72.2	75.5	72.7
	"After"	63.0	59.8	62.0	60.9

Table 3.23 Summary of Measured / Predicted Noise Levels at Po Shun Road, Tsueng Kwan O (Site 19)

Location		Average of Measured/Predicted Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Reference site	"Before"	75	75.7
	"After"	73.9	74.0
Low Level	"Before"	74.9	75
	"After"	65.4	63.6
Mid Level	"Before"	74.4	74.4
	"After"	66.0	65.6
High Level	"Before"	73.7	73.7
	"After"	66.4	65.9

Table 3.24 Summary of Measured / Predicted Noise Levels at Wong Chu Road, Tuen Mun (Site 20)

Location		Average of Measured/Predicted Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Reference site	"Before"	82.7	82.5
	"After"	81.5	81.1
Low Level	"Before"	77.5	77.4
	"After"	65.8	65.3
Mid Level	"Before"	77.1	77
	"After"	69.4	69.4
High Level	"Before"	76.4	76.4
	"After"	70.7	70.8

Podium barrier

The measured noise levels of "after" receiver and "before" receiver at Hiu Kwong Street and Kwai Shing Circuit are summarised in Tables 3.25 and 3.28. The selected "Low", "Mid" and "High" measurement levels at "before" site are similar to that at "after" sites with respect to the subjected road elevation. Details of the measurement levels can be referred to Appendix E.

The indirect prediction method is used to evaluate the noise levels at the "before" site receivers of the sites with podiums at Tong Ming Street and Tung Chi Street. The measured noise levels of "after" receiver and the predicted noise levels of "before" receiver at these sites are summarised in Tables 3.29 and 3.30. Details of the measurement "Low", "Mid" and "High" levels can be referred to Appendix E.

The model results by "Roadnoise 2000" are shown in Appendix F.

Table 3.25 Summary of Measured Noise Levels at Hiu Kwong Street (Sites 21 & 22)

Location		Average of Measured Noise Levels, L_{10}, dB(A) Receiver site	
		A.M.	P.M.
Reference site	"Before"	72.7	72.4
	"After"	72.4	72.5
Low Level	"Before"	69.5	69.6
	"After"	63.5	64.4
Mid Level	"Before"	68.8	69.1
	"After"	65.7	65.6
High Level	"Before"	68.1	68.4
	"After"	65.7	66.2

Table 3.26 Summary of Measured / Predicted Noise Levels at Tong Ming Street, Tseung Kwan O (Site 23)

Location		Average of Measured/Predicted Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Reference site	"Before"	69.9	69.9
	"After"	69.3	68.7
Low Level	"Before"	66.6	66.6
	"After"	62.5	60.7
Mid Level	"Before"	65.8	65.9
	"After"	62.6	61.8
High Level	"Before"	65.1	65.2
	"After"	62.9	62.9

Table 3.27 Summary of Measured / Predicted Noise Levels at Tung Chi Street (Site 24)

Location		Average of Measured/Predicted Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Reference site	"Before"	69.0	70.0
	"After"	71.3	71.8
Low Level	"Before"	66.2	67.2
	"After"	61.5	61.4
Mid Level	"Before"	65.4	66.3
	"After"	63.9	63.9
High Level	"Before"	64.3	65.3
	"After"	63.8	63.7

Table 3.28 Summary of Measured Noise Levels at Kwai Shing Circuit (Sites 25 & 26)

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		Receiver site	
		A.M.	P.M.
Reference site	"Before"	73.5	73.3
	"After"	72.4	72.0
Low Level	"Before"	69.8	68.4
	"After"	65.9	64.5
Mid Level	"Before"	68.9	69.9
	"After"	65.6	66.5
High Level	"Before"	68.3	69.0
	"After"	66.0	66.6

Balcony

The measured noise levels of reference and receiver positions for the balconies at Sheung Shing Street, Kwong Wai Street and Shun Yung Street are summarised in Tables 3.29 and 3.31. Details of reference and receiver positions can be referred to Appendix D. Details of the measurement levels can be referred to Appendix E.

For noise measurement at balcony sites, reverberation effect in enclosed environment was considered. Therefore, corrections on the measured noise levels at the receivers of the "before" site were made. The correction details are presented in Appendix H.

Table 3.29 Summary of Measured Noise Levels at Sun View Garden, Sheung Shing Street (Site 27)

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
6/F	Reference position	68.9	69.7
	Receiver position (indoor 1m from balcony)	52.1	53.5
	Receiver position (indoor 1m from window)	54.2	55.6

Table 3.30 Summary of Measured Noise Levels at Paradise Square, Kwong Wai Street (Site 28)

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
19/F	Reference position	64.8	64.6
	Receiver position (indoor 1m from balcony)	53.1	53.2
	Receiver position (indoor 1m from window)	54.7	55.5

Table 3.31 Summary of Measured Noise Levels at Marigold Mansions, Shun Yung Street (Site 29)

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
4/F	Reference position	70.6	69.5
	Receiver position (indoor 1m from balcony)	57.4	57.8
	Receiver position (indoor 1m from window)	59.6	59.5
6/F	Reference position	69.1	71.0
	Receiver position (indoor 1m from balcony)	56.5	56.8
	Receiver position (indoor 1m from window)	58	58

Structural fin

The measured noise levels of reference and receiver positions for the structural fins at Villa Tiara near Castle Peak Road and Hong Shui House at Tai Hong Street are summarised in Tables 3.32 and 3.33. Details of reference and receiver positions can be referred to Appendix D. Details of the measurement levels can be referred to Appendix E.

Table 3.32 Summary of Measured Noise Levels at Villa Tiara near Castle Peak Road (Site 29)

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
7/F	Reference position	70.9	71.6
	Receiver position	70.3	71.1
13/F	Reference position	71.7	72.0
	Receiver position	71.3	71.7

Table 3.33 Summary of Measured Noise Levels at Hong Shui House, Tai Hong Street (Site 30)

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
2/F	Reference position	76.0	74.9
	Receiver position	74.6	74.0
3/F	Reference position	75.6	74.9
	Receiver position	74.3	74.0

3.3.3 Determination of Insertion Loss of Noise Barriers

In the indirect measurement methods, "before" sound pressure levels are measured at a substitute site that is essentially equivalent in terrain profile, ground conditions and source to the barrier site according to ISO10847. The hemi free-field sound pressure level difference between the reference position and the receiver position is given by:

$\Delta L_B = L_{ref,B} – (L_{r,B} – C_r)$

$\Delta L_A = L_{ref,A} – (L_{r,A} – C'_{r'})$

where

$L_{ref,B}$ is the "before" sound pressure level at the reference position (substitute site);

$L_{r,B}$ is the "before" sound pressure level at receiver position (substitute site);

$L_{ref,A}$ is the "after" sound pressure level at reference position;

$L_{r,A}$ is the "after" sound pressure level at receiver position;

C_r and C'_r are correction factors for the type of receiver position;

for "hemi free-field": $C_r = 0$ dB

for "on reflecting surfaces": $C'_r = 6$ dB

Note – It is preferable to choose receiver positions where corrections C_r and C'_r are essentially the same.

The indirectly measured barrier insertion loss, D'_{IL}, is given by:

$D'_{IL} = \Delta L_A – \Delta L_B$

In the indirect prediction method, "before" sound pressure levels are predicted by the noise model and the calculation method of insertion loss is the same as that of the indirect measurement method as mentioned above. Where appropriate, requirements of ANSI S12.8-1998 on determination of insertion loss are also made reference to.

The calculation methodology for the insertion losses with cross references is detailed in Appendix G.

Vertical Barrier

Based on the calculation method according to ISO10847, the results of the barrier insertion loss are presented in Tables 3.34 to 3.38.

Table 3.34 Results of the barrier insertion loss at Ting Kok Road near Po Sam Pai (Sites 1 & 2)

Location		Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	4.1
	High Level	3.6
Receiver 2	Low Level	5.4
	High Level	4.7
Average	Low Level	4.7
	High Level	4.2

Table 3.35 Results of the barrier insertion loss at Castle Peak Road (Tai Lam Section) (Sites 3 & 4)

Location		Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	5.9
	High Level	5.1
Receiver 2	Low Level	4.7
	High Level	4.7
Average	Low Level	5.3
	High Level	4.9

Table 3.36 Results of the barrier insertion loss at Fo Tan Road (Sites 5 & 6)

Location		Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	9.6
	High Level	9.2
Receiver 2	Low Level	9.8
	High Level	9.4
Average	Low Level	9.7
	High Level	9.3

Table 3.37 Results of the barrier insertion loss at Police School Road at Wong Chuk Hang (Sites & & 8)

Location		Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	7.8
	High Level	6.7
Receiver 2	Low Level	9.6
	High Level	7.3
Average	Low Level	8.7
	High Level	7

Table 3.38 Results of the barrier insertion loss at Tung Wui Road, Kam Tin (Sites 9 & 10)

Location		Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	6.5
	High Level	5.8
Receiver 2	Low Level	6.2
	High Level	5.8
Average	Low Level	6.3
	High Level	5.8

Cantilever Barrier

Based on the calculation method according to ISO10847, the results of the barrier insertion loss are presented in Tables 3.39 to 3.42.

Table 3.39 Results of the barrier insertion loss at Wong Tai Sin Road (Sites 11 & 12)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	6.5
	Mid Level	5.5
	High Level	3.9

Table 3.40 Results of the barrier insertion loss at Sham Mong Road (Sites 13 & 14)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	9.7
	Mid Level	6.5
	High Level	6.0

Table 3.41 Results of the barrier insertion loss at Tsing Yi Road (Site 15)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	12.8
	Mid Level	10.6
	High Level	5.6

Table 3.42 Results of the barrier insertion loss at Kam Tin Road (Site 16)

Location		Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	10.1
	High Level	9
Receiver 2	Low Level	10
	High Level	8.8
Average	Low Level	10
	High Level	8.9

Enclosure

Based on the calculation method according to ISO10847, the results of the insertion loss are presented in Tables 3.43 to 3.45.

Table 3.43 Results of the insertion loss at Castle Peak Road – Siu Lam to So Kwun Wat Section (Sites 17 & 18)

Location		Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	13.6
	High Level	10.9
Receiver 2	Low Level	13.5
	High Level	11.4
Average	Low Level	13.6
	High Level	11.2

Table 3.44 Results of the insertion loss at Po Shun Road, Tseung Kwan O (Site 19)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	9.1
	Mid Level	7.2
	High Level	6.2

Table 3.45 Results of the insertion loss at Wong Chu Road, Tuen Mun (Site 20)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	10.6
	Mid Level	6.3
	High Level	4.4

Podium Barrier

Based on the calculation method according to ISO10847, the results of the insertion loss are presented in Tables 3.46 to 3.49.

Table 3.46 Results of the insertion loss at Hiu Kwong Street (Sites 21 & 22)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	5.6
	Mid Level	3.2
	High Level	2.2

Table 3.47 Results of the insertion loss at Tong Ming Street, Tsueng Kwan O (Site 23)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	4.1
	Mid Level	2.8
	High Level	1.3

Table 3.48 Results of the insertion loss at Tung Chi Street (Site 24)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	7.3

	Mid Level	4.0
	High Level	3.1

Table 3.49 Results of the insertion loss at Kwai Shing Circuit (Sites 25 & 26)

Location		Barrier Insertion Loss, dB(A)
Receiver	Low Level	2.7
	Mid Level	2.1
	High Level	1.2

Balcony

The results of the insertion loss are presented in Tables 3.5 to 3.52.

Table 3.50 Results of the insertion loss at Sun View Garden, Sheung Shing Street (Site 27)

Location		Insertion Loss, dB(A)
Receiver	6/F	2.1

Table 3.51 Results of the insertion loss at Paradise Square, Kwong Wai Street (Site 28)

Location		Insertion Loss, dB(A)
Receiver	19/F	1.9

Table 3.52 Results of the insertion loss at Marigold Mansions, Shun Yung Street (Site 29)

Location		Insertion Loss, dB(A)
Receiver	4/F	2.0
	6/F	1.4

Structural fin

The results of the insertion loss are presented in Tables 3.53 to 3.54.

Table 3.53 Results of the Noise Difference at Villa Tiara near Castle Peak Road (Site 30)

Location		Insertion Loss, dB(A)
Receiver	7/F	0.6
	13/F	0.4

Table 3.54 Results of the insertion loss at Hong Shui House, Tai Hong Street (Site 31)

Location		Insertion Loss, dB(A)
Receiver	2/F	1.2

	3/F	1.1

3.3.4 Analysis of Results

The averaged range of insertion losses for each type of mitigation measures at different levels are summarised in Table 3.55.

Table 3.55 Summary of Averaged Range of Insertion Loss of Different Types of Mitigation Measures

Type of Mitigation Measures	Location of Mitigation Measures	Averaged Insertion Loss, dB(A)			
		Low level	Mid level	High level	Overall
Vertical Barrier	Ting Kok Road near Po Sam Pai	4.7	/	4.2	4.2 ~ 9.7
	Castle Peak Road – Tai Lam Section, So Kwun Wat	5.3	/	4.9	
	Fo Tan Road, Fo Tan	9.7	/	9.3	
	Police School Road at Wong Chuk Hang	8.7	/	7.0	
	Tung Wui Road, Kam Tin	6.3	/	5.8	
	Overall at each level	4.7 ~ 9.7	/	4.2 ~ 9.3	
Cantilever Barrier	Wong Tai Sin Road	6.5	5.5	3.9	3.9 ~ 12.8
	Sham Mong Road	9.7	6.5	6.0	
	Tsing Yi Road	12.8	10.6	5.6	
	Kam Tin Road	10	/	8.9	
	Overall at each level	6.5 ~ 12.8	5.5 ~ 10.6	3.9 ~ 9	
Enclosure	Castle Peak Road - Siu Lam to So Kwun Wat	13.6	/	11.2	4.4 ~ 13.6
	Po Shun Road	9.1	7.2	6.2	
	Wong Chu Road	10.6	6.3	4.4	
	Overall at each level	9.1 ~ 13.6	6.3 ~ 7.2	4.4 ~ 11.2	
Podium Barrier	Hiu Kwong Street	5.6	3.2	2.2	1.2 ~ 7.3
	Tong Ming Street	4.1	2.8	1.3	
	Tung Chi Street	7.3	4.0	3.1	
	Kwai Shing Circuit, Kwai Chung	2.7	2.1	1.2	
	Overall at each level	2.7 ~ 7.3	2.1 ~ 4.0	1.2 ~ 3.1	
Balcony	Sunview Garden, Sheung Shing Street	2.1	/	/	1.4 ~ 2.1
	Paradise Square, Kwong Wai Street	/	/	1.9	
	Marigold Mansions, Shun Yung Street	2	/	1.4	
	Overall at each level	2 ~ 2.1	/	1.4 ~ 1.9	
Structural Fin	Villa Tiara near Castle Peak Road	0.6	/	0.4	0.4 ~ 1.2
	Hong Shui House, Tai Hong Street	1.2	/	1.1	
	Overall at each level	0.6 ~ 1.2	/	0.4 ~ 1.1	

Vertical barrier

The measurements were conducted at 2 different levels, high floor and low floor, at the same building block, as an attempt to test the sensitivity of the barrier effect. The measurement points at the two levels were within the shadow zone of the vertical barrier. The computed ILs for low and high levels receivers are analogous, range from 4.7 to 9.7 dB(A) and 4.2 to 9.3 dB(A) respectively. This phenomenon is probably due to the reason that measurements were carried out mostly at low-rise buildings such that the receivers at low and high floors are located in the shadow zone.

Further investigation of the IL variation reveals that in addition to considering purely whether the receiver is located in shadow zone, the actual path difference due to the barrier has a determining noise reduction effect. Factors affecting the path difference include the distance between the barrier and the receiver, as well as that between the road carriageway and the barrier. Based on the measured noise levels, the computed IL for high level receivers is lower than that for low level receivers. This confirms the fact that the higher the floor, the smaller the path difference, which in turn leads to a smaller IL. In spite of this, the variation is only about 0.5 dB(A) which is not considered to be significant.

Cantilever barrier

For the selected sites at Wong Tai Road, Sham Mong Road and Tsing Yi Road, noise measurement was carried out at relatively low, mid and high levels of the high-rise buildings with all the measurement points within the shadow zone of the cantilever barrier. The computed ILs are found to be the highest at low levels, with a range of 6.5 to 12.8 dB(A), and tends to decline with respect to the increase in levels. The estimated ILs at higher levels range from 3.9 to 8.4 dB(A), having a significant disparity of 5dB(A) when comparing to that of lower levels. This observation is comparable to that for vertical barriers as described above, and proves that higher floors with smaller path difference lead to smaller IL.

For the site at Kam Tin Road, two levels including low and high floors at the same low-rise building were selected for noise measurement. Although the computed IL at low level is predictably greater than that at high level, their difference is as low as only about 1dB(A). Again, this is resulted from the shadow zone effect as explained above.

Low values of IL were calculated for the site at Wong Tai Sin Road on comparing with the others, with a IL range from 3.9 to 6.5 dB(A). As the receivers having the shortest path difference due to the cantilever barrier, the computed IL is just 6.5dB(A), about two times less than that obtained at Tsing Yi Road. Furthermore, the concerned cantilevered barrier at Wong Tai Sin Road was only erected along part of the Wong Tai Sin road. Such situation may cause increase in the measured noise levels at the "after" site which results in affecting the calculated IL.

Enclosure

Noise measurements were conducted at high floor and low floor for the site at Castle Peak Road, with the highest computed IL of 13.6 dB(A) at lower level. The IL calculated for high level regarding this semi-enclosure was also as high as 11.2dB(A). The reason of shadow zone coverage for low and high floors with noise measurements carried out at low-rise buildings also applies to the above observation.

Three levels noise measurement (low, mid and high levels) were performed for the enclosure at Po Shun Road and Wong Chu Road. When comparing the computed IL for the enclosure at Po Shun Road and the others, a considerable difference was found between them. A comparatively lower IL, with maximum value about 9 dB(A), were obtained for the enclosure at Po Shun Road. This may be due to the comparatively short length of the enclosure (120m in length, 2 times less than the enclosure at Wong Chu Road) which affects the noise reduction function of the enclosure. Besides, there are portions of roads including a roundabout adjacent to the "after" site where no mitigation measures were provided. As a result, the traffic noise generated from those unmitigated road sections may contribute on the noise measuring results at the receivers of the "after" sites that leads to the relative low IL.

Podium barrier

All the selected measurement sites with podium are high-rise building with measurement conducted at low, mid and high levels. The calculated IL of the selected sites with podium ranges from 1.3 to 7.3 dB(A).

Higher values of IL were obtained for the podium at Hiu Kwong Street. This may be due to the existence of the 2.5m vertical barrier on top of the podium. Where there is a barrier panel erected at the podium edge facing the concerned road, the noise reduction performance was observed to be improved by 1 to 2 dB(A).

High value of IL, about 7.3 dB(A), was also obtained at low level for the podium at Tung Chi Street. The results are possibly due to the high podium height of about 30m.

Relatively low ILs at higher levels were evaluated for the selected podiums, with a range of 1.2 to 3.1 dB(A). This is possibly due to the marginal coverage of the selected measured receivers at the selected higher levels in the shadow zone of the podiums.

Balcony

The noise attenuation of the selected sites with balconies ranges from 1.4 to 2.1 dB(A). When reviewing the balcony screening effect at lower and higher levels, the noise attenuations are similar, with the highest difference of less than 1 dB(A).

Structural Fin

The noise attenuation of the selected sites with structural fins ranges from 0.4 to 1.2 dB(A). When reviewing the screening effect of structural fins at lower and higher levels of the selected sites, the results are more or less the same, with the highest difference of less than 1 dB(A).

3.3.5 Comparison between Mitigation Measures

When comparing the maximum value of the range of insertion losses of different types of noise mitigation measures, the ranking is as follows:

Rank	Mitigation Measures	Maximum value of predicted insertion losses (dB(A))
1	Enclosure	13.6
2	Cantilever Barrier	12.8
3	Vertical Barrier	9.7
4	Podium	7.3
5	Balcony	2.1
6	Structural Fin	1.2

Optimal noise attenuation performance was observed for enclosures as receivers are totally protected from and screened out from the traffic noise.

Cantilever barriers perform a maximum IL of about 3 dB(A) more than vertical barrier. It provides an increase in IL when compared to a conventional barrier of comparable height. For example, the cantilever barrier at Kam Tin Road has a maximum insertion loss of 5 dB(A) greater than the vertical barrier at Ting Kok Road, both with height of 7.5m. This major improvement appears to result from the extend of shadow zone created by the slanted edges of cantilever barriers, with the increase in path length caused by the movement of the diffraction zone closer to the roadway.

The noise attenuation performance of podium is not as good as that of barriers and enclosures, with only maximum insertion loss of about 6 dB(A).

Balcony has similar noise attenuation effect with structural fins, with insertion losses less than 3 dB(A).

4. Conclusions

Residential Premises

Noise monitoring at 203 residential premises located into various categories of area had been completed. Amongst these premises surveyed, 40 of them were subject to 24-hour round the clock noise monitoring once every 15 minutes while normal monitoring was conducted at other premises. Data analysis had been performed with respect to each area type and categories.

As revealed in the 24-hour monitoring, noise level at night time was considerably lower than that obtained at both day and evening time since less indoor noise-associated activities were spotted. The result showed that noisy domestic activities normally occur in day and evening time whereas most people rest at night. Ordinary domestic activities such as watching TV, listening to music and conversation made peaky noise and had dominated the overall indoor noise environment in the residential premises where people was lived in. These activities produced noise often louder than the outdoor levels. There were occasions when indoor noise levels equal to that of outdoors, particular when there were indoor noise-associated activities. In assessment of indoor noise pattern of residential premises, it was found that individual behaviours and temporal factors played an important role in contributing to the overall indoor environment. Findings indicated that individual living pattern, such as mealtime, bedtime, and window open lifestyles, etc., and time of live-in was very diverse. Such dissimilarities form particular characteristics to the indoor environments during the monitoring periods. In view of the above, no specific correlation was observed in relation to the effect of influencing factors and area types.

Based on the preliminary findings from the 24-hour monitoring, normal noise monitoring at the remaining premises was carried out at specific time periods at 1800-1900 and 2300-2400 hours i.e. during mealtime and before bedtime, to capture the representative noise levels associated with household activities. The range of noise level from various domestic activities at receptor level was noted to range between 60 to 65 dB(A) at day, 60 to 70 dB(A) in the evening and 60 to 65 dB(A) at night, respectively. It was because these activities often were spotted in evening periods, resulting in higher measured levels. Amongst the 203 premises studied, the most common single household activity was conversation while conversation and TV watching were noted to be the most popular combined event which gave noise ranging from 44.7 dB(A) to 77.0 dB(A). On the other hand, mahjong playing was identified to be the nosiest indoor event with noise level of 80.6 dB(A). Noise levels of common household activities are summarised in Section 3.1.3.1, Figure 3-62. In considering outdoor noise contribution inside residential building, people are more frequent experiencing high noise levels due to indoors activities, although they might still notice outdoor noise sources such as noise from neighbours.

It was observed in this Study that individual living pattern affected overall indoor environment largely. Indoor noise measurement only gives snapshot values which are reflecting noise level at the particular spatial and temporal moment. It is anticipated that these single-number ratings would change considerably over days subject to the occupant behaviour.

Social Venues

A total of 110 noise measurements were carried out at 60 locations which covered 15 different kinds of social venues. The range of noise levels as well as the attributing factors observed during the entire measurement periods for these identified social venues had also been determined. A difference of approximate 40 dB (A) was noted between an undeveloped area and a disco which represented the quietest and noisiest locations, respectively. The attributing factors to the overall noise level recorded were dependent on the types of concerned social venues. A single factor or multiple factors might be involved, as observed in Game Centres and Public Parks, respectively, depending on the type and/or nature of the activity.

The variability in noise levels would generally be associated with the distance from the noise source as well as the presence and extent of screening between the noise source and monitoring location. The spatial volume of venue would also have some influence. As revealed by the noise measurement results, nominally same type of venue could produce a wide range of noise levels. Although the noise survey locations were not chosen to be statistically representative of those social venues, the measurements were compared on a like-to-like basis. The intensity of noise levels arising from various social venues is ranked in the following descending order: places for public entertainment, restaurants and finally recreational places.

Noise climate at undeveloped area was noted to depend on site locations. A comparatively higher ambient noise level was recorded for sites located in proximity to heavy road traffic when compared to others located in remote area. Site location was also found to be a critical factor in deciding the noise level of personal audio players at receptors, other than types of headphones (opened-ear or closed-ear) involved. Noise levels observed at various categories of social venues are summarized in Section 3.2.16, Figure 3-79.

Mitigation Measures

In order to evaluate the effectiveness of various mitigation measures, noise measurements were conducted at selected sites with vertical barriers, cantilevered barriers, enclosures, podiums, balconies and structural fins. Indirect measurement method with noise measurement at “before” and “after” sites was used to calculate the insertion losses of the different types of mitigation measures for road traffic noise. However, in case of no appropriate equivalent “before” site is available, indirect prediction method was adopted to predict the noise levels at “before” sites by using noise prediction model.

The following rank is established by comparing the maximum value of the range of predicted insertion losses of the above mitigation measures.:

Rank	Mitigation Measures	Maximum value of predicted insertion losses (dB(A))
1	Enclosure	13.6
2	Cantilever Barrier	12.8
3	Vertical Barrier	9.7
4	Podium	7.3
5	Balcony	2.1
6	Structural Fin	1.2

Optimal noise attenuation performance was observed for enclosures as receivers are totally protected from and screened out from the traffic noise. With reference to predicted maximum insertion loss, cantilever barriers perform 3 dB(A) more than vertical barrier. It provides an increase in IL when compared to a conventional barrier of comparable height. This major improvement appears to result from the extend of shadow zone created by the slanted edges of cantilever barriers, with the increase in path length caused by the movement of the diffraction zone closer to the roadway.

The noise attenuation performance of podium is not as good as that of barriers and enclosures, with only maximum insertion loss of about 6 dB(A) while balcony has similar noise attenuation effect with structural fins which possessed fairly small insertion losses of less than 3 dB(A). A summary of the range of insertion loss of various categories of noise mitigation measures is tabulated in Table 3.55 in Section 3.3.4.

Table 1.1 Noise levels observed at different time periods

Rage of $L_{eq(30min)}$	Day dB(A)	Evening dB(A)	Night dB(A)
<50.4 dB(A)	11	8	26
50.5 – 55.4 dB(A)	19	18	41
55.5 – 60.4 dB(A)	36	43	47
60.5 – 65.4 dB(A)	71	58	49
65.5 – 70.4 dB(A)	47	58	32
70.5 – 75.4 dB(A)	18	15	6
75.5 – 80.4 dB(A)	0	3	2
> 80.5 dB(A)	1	0	0

Table 1.2 Indoor noise observed at different time periods with respect to area sensitivity

Sensitivity	Rage of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
NE01	48.6~72.3	53.1~77	43.4~65.7	43.4	77.0	59.3
NE02	48~73	51~71.9	41.7~66.2	41.7	73.0	57.0
NE03	45.9~71.2	49.8~64.5	40.9~68.4	40.9	71.2	59.3
NE04	57.1~72.7	51.5~70.6	49.7~64.7	49.7	72.7	61.2
NE05	44~68.2	44~68.2	39.5~66.4	39.5	70.7	59.0
NE06	46.5~67.7	43.8~69.6	37.2~67.3	37.2	69.6	60.2
NE07	52.4~85.1	60~79.2	46.4~70.5	46.4	85.1	64.5
NE08	50.6~70.2	49~81	44.6~77.6	44.6	81.0	60.0
NE09	41.6~73	38.9~72.3	39.3~74.8	38.9	74.8	62.1
NE10	45.2~69.3	44.7~69.3	43.8~65.8	43.8	69.3	58.0
NE11	46.2~72.8	57.6~67.8	46.1~72.4	46.1	72.8	63.0
NE12	58.1~71.2	57.3~69.3	45~67.5	45.0	71.2	63.5
NE13	48.9~73.4	53.7~72.6	44.7~74.1	44.7	74.1	62.6
NE14	50.8~70.7	57.5~75.3	50.4~71	50.4	75.3	64.2
NE15	51.3~72	52.7~71.5	45.6~70.4	45.6	72.0	60.3
NE16	47.6~73.7	58.8~73.9	49.9~70.6	47.6	73.9	64.3
NE17	53~74.9	51.8~69.9	45.4~69.1	45.4	74.9	62.1
NE18	55.1~71.8	51.1~70.8	46.9~73.2	46.9	73.2	64.6
NE19	58.7~72.2	62.8~77.9	52.6~72.4	52.6	77.9	67.0
NE20	55~69.6	52.3~76.6	51.5~71.8	51.5	76.6	62.6

Table 1.3 Indoor noise observed at daytime period with respect to area sensitivity

Sensitivity	Day / Leq dB(A)			
	Range	Average	Mean	Median
NE1	48.6~72.3	65.5	61.1	60.5
NE2	48~73	65.7	60.1	58.8
NE3	45.9~71.2	63.1	59.3	61.5
NE4	57.1~72.7	67.4	65.1	64.0
NE5	44~68.2	62.6	59.1	61.5
NE6	46.5~67.7	63.4	59.0	61.0
NE7	52.4~85.1	73.7	64.7	64.8
NE8	50.6~70.2	64.4	61.4	61.5
NE9	41.6~73	65.8	61.2	62.5
NE10	45.2~69.3	62.1	58.5	59.3
NE11	46.2~72.8	65.7	62.9	63.3
NE12	58.1~71.2	66.8	64.9	65.5
NE13	48.9~73.4	66.4	62.4	62.4
NE14	50.8~70.7	65.7	63.8	64.1
NE15	51.3~72	65.4	60.8	61.6
NE16	47.6~73.7	67.6	63.3	64.4
NE17	53~74.9	66.6	62.0	61.5
NE18	55.1~71.8	67.3	65.9	65.8
NE19	58.7~72.2	68.3	66.7	67.0
NE20	55~69.6	64.6	63.0	63.2

Table 1.4 Indoor noise observed at evening time period with respect to area sensitivity

Sensitivity	Evening /Leq dB(A)			
	Range	Average	Mean	Median
NE1	53.1~77	69.5	62.9	59.6
NE2	51~71.9	64.3	60.1	58.8
NE3	49.8~64.5	60.8	59.3	61.5
NE4	51.5~70.6	64.3	62.0	61.9
NE5	44~68.2	62.7	59.0	60.7
NE6	43.8~69.6	63.8	58.8	60.9
NE7	60~79.2	70	66.8	65.5
NE8	49~81	73.2	62.7	61.1
NE9	38.9~72.3	65.3	61.1	64.1
NE10	44.7~69.3	61.3	56.6	57.1
NE11	57.6~67.8	64.4	63.5	64.2
NE12	57.3~69.3	65.3	64.4	64.8
NE13	53.7~72.6	66.8	64.4	64.2
NE14	57.5~75.3	68.2	65.1	64.2
NE15	52.7~71.5	66.2	62.6	61.1
NE16	58.8~73.9	67.4	66.0	66.5
NE17	51.8~69.9	65.1	62.4	62.0
NE18	51.1~70.8	66.5	64.3	66.4
NE19	62.8~77.9	70.9	68.9	68.8
NE20	52.3~76.6	67.1	62.4	61.4

Table 1.5 Indoor noise levels observed at night time period with respect to area sensitivity

Sensitivity	Night /Leq dB(A)			
	Range	Average	Mean	Median
NE1	43.4~65.7	60	56.5	56.2
NE2	41.7~66.2	58.4	60.1	58.8
NE3	40.9~68.4	61.6	59.3	61.5
NE4	49.7~64.7	59	57.2	58.1
NE5	39.5~66.4	59.1	54.3	56.6
NE6	37.2~67.3	61.6	56.4	59.6
NE7	46.4~70.5	64.1	60.3	63.3
NE8	44.6~77.6	70.7	59.3	56.3
NE9	39.3~74.8	65.5	59.7	61.0
NE10	43.8~65.8	57.7	55.1	56.0
NE11	46.1~72.4	63.4	59.5	60.8
NE12	45~67.5	62.1	59.5	61.7
NE13	44.7~74.1	66	59.9	59.1
NE14	50.4~71	65.1	62.6	64.2
NE15	45.6~70.4	64.7	58.4	56.8
NE16	49.9~70.6	63.1	59.0	56.9
NE17	45.4~69.1	63.7	60.1	62.9
NE18	46.9~73.2	64.4	59.2	59.8
NE19	52.6~72.4	67	64.6	64.8
NE20	51.5~71.8	65	62.0	62.6

Table 1.6 Outdoors noise observed at different time periods with respect to area sensitivity

Sensitivity	Rage of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
NE01	47.8~64.2	45.7~69.4	44.2~60.2	44.2	69.4	54.3
NE02	50.9~66.8	49~63.8	45.6~62.3	45.6	66.8	53.8
NE03	49.6~65.1	46.5~62.1	43.1~61.1	43.1	65.1	54.0
NE04	52.1~71.6	57.1~71.2	50~69	50.0	71.6	61.9
NE05	53.2~64.3	53.2~64.3	47.1~60.2	47.1	64.3	57.0
NE06	49.7~66	50.6~66.2	47.9~63.8	47.9	66.2	57.6
NE07	50.4~70.2	49.5~67.3	50.3~64.4	49.5	70.2	58.0
NE08	50.2~70	50~67.7	48.9~65.3	48.9	70.0	55.3
NE09	55.9~75.1	52.8~74.5	51.4~70.1	51.4	75.1	63.0
NE10	58.4~74	53.7~71.4	50.4~66.5	50.4	74.0	62.8
NE11	59.6~67.2	58.6~66	56~64.6	56.0	67.2	60.9
NE12	59.6~72.6	60.4~67.5	58.6~70.4	58.6	72.6	64.2
NE13	57.7~66.8	58.1~67.3	40.1~66.1	40.1	67.3	61.6
NE14	61.9~77.8	63.4~77.7	57.9~74.7	57.9	77.8	68.8
NE15	57.2~71.7	53.5~70.7	52.1~67.7	52.1	71.7	63.7
NE16	39.6~66.2	55.2~74.8	42.7~64.9	39.6	74.8	61.0
NE17	57.5~69.1	57~68	53.9~65.2	53.9	69.1	62.6
NE18	57.6~74.2	57.2~73.9	55.7~72.5	55.7	74.2	64.3
NE19	54.7~77.9	55~78.8	54.6~72.8	54.6	78.8	68.9
NE20	58.7~71.9	57.6~70.7	50.5~69.2	50.5	71.9	64.9

Table 1.7 Outdoors noise observed at daytime period with respect to area sensitivity

Sensitivity	Day /Leq dB(A)			
	Range	Average	Mean	Median
NE1	47.8~64.2	58	55.6	54.9
NE2	50.9~66.8	59.2	56.5	54.9
NE3	49.6~65.1	58.6	56.7	58.3
NE4	52.1~71.6	66.1	63.4	63.1
NE5	53.2~64.3	59.2	58.2	58.4
NE6	49.7~66	59.9	57.9	58.6
NE7	50.4~70.2	61.7	59.1	60.6
NE8	50.2~70	60.8	56.2	55.7
NE9	55.9~75.1	67.2	64.6	63.1
NE10	58.4~74	66.9	65.0	63.6
NE11	59.6~67.2	62.7	61.9	60.7
NE12	59.6~72.6	67.3	65.7	65.0
NE13	57.7~66.8	62.8	61.9	61.8
NE14	61.9~77.8	70.5	70.0	70.3
NE15	57.2~71.7	65.9	63.9	64.6
NE16	39.6~66.2	61.6	59.4	61.1
NE17	57.5~69.1	65.1	63.8	64.9
NE18	57.6~74.2	68	65.7	65.3
NE19	54.7~77.9	72	68.5	69.8
NE20	58.7~71.9	66.8	65.4	65.6

Table 1.8 Outdoors noise observed at evening time period with respect to area sensitivity

Sensitivity	Evening /Leq dB(A)			
	Range	Average	Mean	Median
NE1	45.7~69.4	60.7	56.0	55.1
NE2	49~63.8	57.5	56.5	54.9
NE3	46.5~62.1	56.6	56.7	58.3
NE4	57.1~71.2	65.4	63.1	62.4
NE5	53.2~64.3	57.6	55.5	55.6
NE6	50.6~66.2	59.9	57.7	57.8
NE7	49.5~67.3	60.1	58.3	58.8
NE8	50~67.7	61.6	57.7	55.8
NE9	52.8~74.5	66.6	63.5	63.9
NE10	53.7~71.4	64.8	62.1	62.3
NE11	58.6~66	62	61.5	61.4
NE12	60.4~67.5	64.9	64.4	64.1
NE13	58.1~67.3	63.2	62.2	61.9
NE14	63.4~77.7	69.8	69.3	68.8
NE15	53.5~70.7	65.8	64.0	64.3
NE16	55.2~74.8	64.8	61.5	61.8
NE17	57~68	64.2	63.0	63.8
NE18	57.2~73.9	67.3	65.0	64.5
NE19	55~78.8	70.9	67.1	68.5
NE20	57.6~70.7	65.8	63.7	64.0

Table 1.9 Outdoors noise levels observed at night time period with respect to area sensitivity

Sensitivity	Night /Leq dB(A)			
	Range	Average	Mean	Median
NE1	44.2~60.2	55	53.1	52.2
NE2	45.6~62.3	56	56.5	54.9
NE3	43.1~61.1	54.4	56.7	58.3
NE4	50~69	63.4	61.1	60.9
NE5	47.1~60.2	55.9	53.9	53.3
NE6	47.9~63.8	57.5	55.4	56.4
NE7	50.3~64.4	57.8	56.0	55.2
NE8	48.9~65.3	59.5	55.7	54.4
NE9	51.4~70.1	63.5	61.5	61.9
NE10	50.4~66.5	61.5	59.5	60.4
NE11	56~64.6	60.7	59.9	60.9
NE12	58.6~70.4	64.4	63.0	63.2
NE13	40.1~66.1	61.4	58.9	60.0
NE14	57.9~74.7	68.3	67.1	67.7
NE15	52.1~67.7	62.8	60.8	62.3
NE16	42.7~64.9	59.8	58.0	60.3
NE17	53.9~65.2	61.6	60.5	60.6
NE18	55.7~72.5	65.8	63.2	63.0
NE19	54.6~72.8	68	65.5	67.3
NE20	50.5~69.2	64.5	62.0	63.0

Table 1.10 Relationship between indoor noise levels obtained at different time periods versus area types

Area	Range of L_{eq}		
	Day dB(A)	Evening dB(A)	Night dB(A)
Rural	44~73	41.5~77	39.5~68.4
Low Density	41.6~85.1	38.9~81	37.2~77.6
Urban	46.2~73.4	52.7~75.3	44.7~74.1
Other Area	47.6~74.9	51.1~77.9	45.4~73.2

Table 1.11 Relationship between indoor noise levels obtained at daytime versus area types

Area	Day / L_{eq} dB(A)			
	Range	Average	Mean	Median
Rural	44~73	65.2	60.9	61.7
Low Density	41.6~85.1	68.4	61.0	61.5
Urban	46.2~73.4	66.1	63.0	63.1
Other Area	47.6~74.9	67.1	64.2	64.5

Table 1.12 Relationship between indoor noise levels obtained at evening time versus area types

Area	Evening / L_{eq} dB(A)			
	Range	Average	Mean	Median
Rural	41.5~77	65.4	60.6	59.9
Low Density	38.9~81	68.8	61.3	63.2
Urban	52.7~75.3	66.4	64.1	64.1
Other Area	51.1~77.9	67.9	64.8	66.0

Table 1.13 Relationship between indoor noise levels obtained at night time versus area types

Area	Night / L_{eq} dB(A)			
	Range	Average	Mean	Median
Rural	39.5~68.4	59.8	55.4	55.6
Low Density	37.2~77.6	66.1	58.2	58.6
Urban	44.7~74.1	64.6	60.1	61.0
Other Area	45.4~73.2	64.9	60.9	61.9

Table 1.14 Relationship between outdoors noise levels obtained at different time periods versus area types

Area	Range of L_{eq}			
	Day dB(A)	Evening dB(A)	Night dB(A)	Average dB(A)
Rural	47.8~71.6	45.7~71.2	43.1~69	47.8~71.6
Low Density	49.7~75.1	49.5~74.5	47.9~70.1	49.7~75.1
Urban	57.2~77.8	53.5~77.7	40.1~74.7	57.2~77.8
Other Area	39.6~77.9	55~78.8	42.7~72.8	39.6~77.9

Table 1.15 Relationship between outdoors noise levels obtained at daytime versus area types

Area	Day / L_{eq} dB(A)			
	Range	Average	Mean	Median
Rural	47.8~71.6	61.5	58.1	58.1
Low Density	49.7~75.1	64.5	60.4	60.8
Urban	57.2~77.8	67.8	64.9	64.5
Other Area	39.6~77.9	68.0	64.4	64.7

Table 1.16 Relationship between outdoors noise levels obtained at evening time versus area types

Area	Evening / L_{eq} dB(A)			
	Range	Average	Mean	Median
Rural	45.7~71.2	61.0	56.8	56.8
Low Density	49.5~74.5	63.6	59.8	60.2
Urban	53.5~77.7	67.1	64.5	64.0
Other Area	55~78.8	67.3	64.0	63.9

Table 1.17 Relationship between outdoors noise levels obtained at night time versus area types

Area	Night / L_{eq} dB(A)			
	Range	Average	Mean	Median
Rural	43.1~69	58.5	54.7	53.6
Low Density	47.9~70.1	60.7	57.5	57.5
Urban	40.1~74.7	65.2	62.2	62.9
Other Area	42.7~72.8	64.8	61.8	61.8

Table 1.18 Effects of influencing factors on indoor noise levels obtained at different time period

Influence	Range of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Not Affected	46.2~73.7	43.8~77	37.2~72.4	37.2	77	62.1
Indirectly Affected by Major Road	48~85.1	50.7~79.2	41.7~70.5	48	85.1	62.9
Indirectly Affected by Industrial Area	45.9~73.4	49~81	40.9~77.6	40.9	81	62.1
Directly Affected by Major Road	41.6~73	38.9~77.9	39.3~74.8	38.9	77.9	63.8
Directly Affected by Industrial Area	44~72	41.5~76.6	39.5~71.8	39.5	76.6	59.6

Table 1.19 Effects of influencing factors on indoor noise levels obtained at day time

Influence	Day / L_{eq} dB(A)			
	Range	Average	Mean	Median
Not Affected	41.6~73	65.9	61.6	62.9
Indirectly Affected by Major Road	46.5~85.1	71.2	63.3	63.8
Indirectly Affected by Industrial Area	46.2~73.4	65.6	62.3	62.9
Directly Affected by Major Road	52.4~74.9	67.1	64.3	64.5
Directly Affected by Industrial Area	44~73	63.9	60.3	61.5

Table 1.20 Effects of influencing factors on indoor noise levels obtained at evening time

Influence	Evening / L_{eq} dB(A)			
	Range	Average	Mean	Median
Not Affected	43.8~77	67.0	62.9	64.0
Indirectly Affected by Major Road	50.7~79.2	66.8	63.6	64.3
Indirectly Affected by Industrial Area	49~81	68.9	62.5	63.4
Directly Affected by Major Road	38.9~77.9	68.1	64.4	64.8
Directly Affected by Industrial Area	41.5~76.6	64.9	60.1	60.1

Table 1.21 Effects of influencing factors on indoor noise levels obtained at night time

Influence	Night / L_{eq} dB(A)			
	Range	Average	Mean	Median
Not Affected	37.2~72.4	62.4	57.9	58.6
Indirectly Affected by Major Road	41.7~70.5	62.6	58.5	60.6
Indirectly Affected by Industrial Area	40.9~77.6	67.0	58.4	57.9
Directly Affected by Major Road	39.3~74.8	65.2	61.1	61.4
Directly Affected by Industrial Area	39.5~71.8	62.7	57.4	58.3

Table 1.22 Effects of influencing factors on outdoors noise levels obtained at different time period

Influence	Range of L_{eq}					
	Day DB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Average dB(A)
Not Affected	39.6~67.2	45.7~74.8	42.7~64.9	39.6	74.8	59.4
Indirectly Affected by Major Road	50.4~72.6	48.5~68	45.6~70.4	45.6	72.6	60.6
Indirectly Affected by Industrial Area	49.6~74.2	46.5~73.9	40.1~72.5	40.1	74.2	59.3
Directly Affected by Major Road	52.1~77.9	52.8~78.8	50~74.7	50.0	78.8	66.0
Directly Affected by Industrial Area	53.2~74	47.3~71.4	47.1~69.2	47.1	74.0	61.8

Table 1.23 Effects of influencing factors on outdoors noise levels obtained at day time

Influence	Day / L_{eq} dB(A)			
	Range	Average	Mean	Median
Not Affected	39.6~67.2	65.9	58.7	59.9
Indirectly Affected by Major Road	50.4~72.6	71.2	60.8	61.3
Indirectly Affected by Industrial Area	49.6~74.2	65.6	60.1	59.8
Directly Affected by Major Road	52.1~77.9	67.1	66.8	67.0
Directly Affected by Industrial Area	53.2~74	63.9	63.1	63.5

Table 1.24 Effects of influencing factors on outdoors noise levels obtained at evening time

Influence	Evening / L_{eq} dB(A)			
	Range	Average	Mean	Median
Not Affected	45.7~74.8	67.0	59.2	59.9
Indirectly Affected by Major Road	48.5~68	66.8	59.9	61.3
Indirectly Affected by Industrial Area	46.5~73.9	68.9	60.0	60.5
Directly Affected by Major Road	52.8~78.8	68.1	66.0	66.2
Directly Affected by Industrial Area	47.3~71.4	64.9	61.3	61.8

Table 1.25 Effects of influencing factors on outdoors noise levels obtained at night time

Influence	Night / L_{eq} dB(A)			
	Range	Average	Mean	Median
Not Affected	42.7~64.9	59.1	56.6	57.4
Indirectly Affected by Major Road	45.6~70.4	61.2	58.1	58.7
Indirectly Affected by Industrial Area	40.1~72.5	62.0	57.5	57.9
Directly Affected by Major Road	50~74.7	67.0	64.0	63.9
Directly Affected by Industrial Area	47.1~69.2	62.1	59.1	59.9

Table 1.26 Noise Levels from single household activity

Activities	Range of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Pt	---	---	53.2~68.8	53.2	68.8	57.4
Mc	54~56.2	54.1~55.2	50.5~58	50.5	58	54.7
TV	54.1~72.2	62~75.1	55.1~72.4	54.1	75.1	68.5
Cs	45.2~71.3	41.5~76.6	43.8~72.4	41.5	76.6	59.6

Remark: Cs - Conversation; TV - TV; Pt - Pet; Ck - Cooking; Mc - Music; Ot - Others; and Rd - Reading

Table 1.27 Noise levels arising from TV watching and associated multi-activities

Activities	Range of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
TV	54.1~72.2	62~75.1	55.1~72.4	54.1	75.1	54.1
TV+Ck	---	68.3~71.9	---	68.3	71.9	70.1
Cs+TV	47.6~74.9	50.4~77	44.7~73.2	44.7	77	62.8
Cs+TV+Rd	53.6~66.1	51.5~63.1	49.9~74.1	49.9	74.1	58.6
Cs+TV+Pt	45.9~72.8	49.5~77.9	48.4~70.5	45.9	77.9	64.5
Cs+TV+Pt+Rd	---	53.1~64.8	64.8~68.2	53.1	68.2	64.6
Cs+TV+Ck	46.2~67.1	58.1~72.6	61.6~64.7	46.2	72.6	64.1
Cs+TV+Ck+Rd	60.2~60.7	---	---	60.2	60.7	60.5
Cs+TV+Py	---	65.2~66.2	77.3~77.6	65.2	77.6	71.8
Cs+TV+Py+Ck	---	76.4~81	---	76.4	81	78.7
Cs+TV+Mc	72.6~73.7	---	---	72.6	73.7	73.1
Cs+TV+Mc+Pt	64.2~64.9	62.9~71.9	---	62.9	71.9	64.0

Remark: Cs - Conversation; TV - TV; Pt - Pet; Ck - Cooking; Mc - Music; Py – Party; and Rd - Reading

Table 1.28 Noise levels arising from conversation and associated multi-activities

Activities	Range of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Cs	45.2~71.3	41.5~76.6	43.8~72.4	41.5	76.6	59.6
Cs+Rd	44~64.9	49~62.5	37.2~66.7	37.2	66.7	51.3
Cs+Rv	48.6~65.8	64.5~65	60.7~61.2	48.6	65.8	62.9
Cs+Pt	51.3~85.1	44.7~79.2	41.7~74.8	41.7	74.8	58.4
Cs+Pt+Rd	41.6~60.2	38.9~57.3	39.3~58.3	38.9	60.2	46.8
Cs+Ck	52.4~70.6	61.6~62.5	---	52.4	70.6	60
Cs+Ck+Rd	54.7~56.8	57.2~59.7	---	54.7	59.7	57
Cs+Mc	58.5~70.2	66.4~67.4	50.9~70.6	50.9	70.6	63.9
Cs+Mc+Pt	51.7~72	---	---	51.7	72	61.1
Cs+TV	47.6~74.9	50.4~77	44.7~73.2	44.7	77	62.8
Cs+TV+Rd	53.6~66.1	51.5~63.1	49.9~74.1	49.9	74.1	58.6
Cs+TV+Pt	45.9~72.8	49.5~77.9	48.4~70.5	45.9	77.9	64.5
Cs+TV+Pt+Rd	---	53.1~64.8	64.8~68.2	53.1	68.2	64.6
Cs+TV+Ck	46.2~67.1	58.1~72.6	61.6~64.7	46.2	72.6	64.1
Cs+TV+Ck+Rd	60.2~60.7	---	---	60.2	60.7	60.5

Activities	Range of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Cs+TV+Py	---	65.2~66.2	77.3~77.6	65.2	77.6	71.8
Cs+TV+Py+Ck	---	76.4~81	---	76.4	81	78.7
Cs+TV+Mc	72.6~73.7	---	---	72.6	73.7	73.1
Cs+TV+Mc+Pt	64.2~64.9	62.9~71.9	---	62.9	71.9	64.0

Remark: Cs - Conversation; TV - TV; Pt - Pet; Ck - Cooking; Mc - Music; Py – Party; and Rd - Reading

Table 1.29 Noise levels arising from the presence of pet and associated multi-activities

Activities	Range of L_{eq}					
	Day DB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Pt	---	---	53.2~68.8	53.2	68.8	57.4
Pt+Rd	---	---	40.9~42.6	40.9	42.6	41.8
Cs+Pt	51.3~85.1	44.7~79.2	41.7~74.8	41.7	74.8	58.4
Cs+Pt+Rd	41.6~60.2	38.9~57.3	39.3~58.3	38.9	60.2	46.8
Cs+Mc+Pt	51.7~72	---	---	51.7	72	61.1
Cs+TV+Pt	45.9~72.8	49.5~77.9	48.4~70.5	45.9	77.9	64.5
Cs+TV+Pt+Rd	---	53.1~64.8	64.8~68.2	53.1	68.2	64.6
Cs+TV+Mc+Pt	64.2~64.9	62.9~71.9	---	62.9	71.9	64.0

Remark: Cs - Conversation; TV - TV; Pt - Pet; Ck - Cooking; Mc - Music; Py – Party; and Rd - Reading

Table 1.30 Noise levels arising from cooking and associated multi-activities

Activities	Range of L_{eq}					
	Day DB(A)	Evening DB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Cs+Ck	52.4~70.6	61.6~62.5	---	52.4	70.6	60
Cs+Ck+Rd	54.7~56.8	57.2~59.7	---	54.7	59.7	57
Cs+TV+Ck	46.2~67.1	58.1~72.6	61.6~64.7	46.2	72.6	64.1
Cs+TV+Ck+Rd	60.2~60.7	---	---	60.2	60.7	60.5
Cs+TV+Py+Ck	---	76.4~81	---	76.4	81	78.7

Remark: Cs - Conversation; TV - TV; Pt - Pet; Ck - Cooking; Mc - Music; Py – Party; and Rd - Reading

Table 1.31 Noise levels arising from listening to music and associated multi-activities

Activities	Range of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Mc	54~56.2	54.1~55.2	50.5~58	50.5	58	54.6
Cs+Mc	58.5~70.2	66.4~67.4	50.9~70.6	50.9	70.6	63.9
Cs+Mc+Pt	51.7~72	---	---	51.7	72	61.1
Cs+TV+Mc	72.6~73.7	---	---	72.6	73.7	73.1
Cs+TV+Mc+Pt	64.2~64.9	62.9~71.9	---	62.9	71.9	64.0

Remark: Cs - Conversation; TV - TV; Pt - Pet; Ck - Cooking; Mc - Music; Py – Party; and Rd - Reading

Table 1.32 Noise levels arising from reading and associated multi-activities

Activities	Range of L_{eq}					
	Day dB(A)	Evening dB(A)	Night dB(A)	Min dB(A)	Max dB(A)	Median dB(A)
Pt+Rd	---	---	40.9~42.6	40.9	42.6	41.8
Cs+Rd	44~64.9	49~62.5	37.2~66.7	37.2	66.7	51.3
Cs+Pt+Rd	41.6~60.2	38.9~57.3	39.3~58.3	38.9	60.2	46.8
Cs+Ck+Rd	54.7~56.8	57.2~59.7	---	54.7	59.7	57
Cs+TV+Rd	53.6~66.1	51.5~63.1	49.9~74.1	49.9	74.1	58.6
Cs+TV+Pt+Rd	---	53.1~64.8	64.8~68.2	53.1	68.2	64.6
Cs+TV+Ck+Rd	60.2~60.7	---	---	60.2	60.7	60.5

Remark: Cs - Conversation; TV - TV; Pt - Pet; Ck - Cooking; Mc - Music; Py – Party; and Rd - Reading

Summary of Noise Monitoring Results at Residential Premises **Appendix A**

Sample No	Address	Monitoring Time Category		Noise Level (dB(A))											
				Indoor (DSU 1)					Indoor (DSU 2)					Outdoor	
				Specified Position	Reference Position				Specified Positioin	Reference Position				DSU 1	DSU 2
				E1	R1	R2	R3	R4	E1	R1	R2	R3	R4		
1	19/F, Hing Tin Hse, Tsz Hong Estate, Tsz Wan Shan, Kowloon	Day	L_{10}	75.2	75.8	75.9	72.6	**nil**	76.4	72.9	72.4	74.5	**nil**	67.4	67.6
			L_{90}	68.8	54.3	60.0	55.6	**nil**	57.8	50.5	56.1	56.4	**nil**	61.5	61.0
			L_{eq}	71.3	70.4	72.2	68.5	**nil**	72.8	69.4	68.8	70.3	**nil**	64.9	65.1
			L_{max}	86.5	83.1	87.7	81.4	**nil**	91.6	84.5	81.0	82.6	**nil**	71.7	74.6
		Evening	L_{10}	67.7	57.5	60.4	60.0	**nil**	68.0	67.1	60.7	67.3	**nil**	70.2	64.6
			L_{90}	58.5	47.2	53.6	54.1	**nil**	59.0	50.9	54.5	53.7	**nil**	53.4	53.0
			L_{eq}	64.3	54.5	58.5	57.9	**nil**	64.7	62.7	58.5	63.2	**nil**	66.0	61.9
			L_{max}	74.4	59.9	63.7	64.1	**nil**	78.0	76.2	64.7	76.1	**nil**	84.0	78.8
		Night	L_{10}	68.8	62.0	61.7	**nil**	**nil**	69.0	60.2	64.0	**nil**	**nil**	64.4	67.0
			L_{90}	58.0	55.4	53.9	**nil**	**nil**	54.6	48.6	50.0	**nil**	**nil**	54.4	51.6
			L_{eq}	65.0	59.5	58.8	**nil**	**nil**	65.7	56.1	60.1	**nil**	**nil**	62.3	64.6
			L_{max}	79.0	66.4	65.5	**nil**	**nil**	79.5	66.5	69.8	**nil**	**nil**	82.9	88.8
2	Rm G, 46/F, Blk 9, Royal Ascot, Shatin, N.T.	Day	L_{10}	75.2	70.0	75.8	74.1	75.2	69.2	75.9	64.8	63.9	71.6	62.3	62.3
			L_{90}	50.2	53.1	54.1	48.5	52.9	44.7	43.6	43.2	43.6	50.8	60.6	60.0
			L_{eq}	70.4	65.7	71.3	68.5	70.9	66.0	70.5	60.0	60.4	67.4	61.5	61.5
			L_{max}	84.7	78.2	79.9	78.5	81.7	87.0	83.7	73.3	78.0	82.1	67.8	65.7
		Evening	L_{10}	68.1	59.2	71.5	61.8	63.6	73.6	70.1	64.9	81.2	71.1	62.0	61.7
			L_{90}	44.6	42.3	47.7	44.0	45.3	46.5	57.5	44.6	50.4	59.0	60.4	59.6
			L_{eq}	64.1	55.5	67.2	58.1	60.5	70.4	66.7	62.3	76.0	67.6	61.3	60.7
			L_{max}	84.4	71.8	80.4	72.9	77.3	91.8	77.0	81.1	85.4	79.3	67.5	67.7
		Night	L_{10}	65.3	61.7	64.7	64.7	68.1	66.9	69.7	66.6	66.7	54.3	60.0	59.8
			L_{90}	51.7	48.1	50.6	54.5	58.5	52.4	52.5	55.2	56.2	46.4	58.0	57.8
			L_{eq}	61.8	58.0	60.9	61.5	64.7	63.4	64.9	62.9	62.7	55.0	59.0	58.9
			L_{max}	78.6	69.4	73.7	71.9	76.5	80.6	75.2	73.8	71.6	61.7	64.7	65.1

3	7/F, Yue Man Centre, Kwun Tong, Kowloon	Day	L_{10}	73.4	69.4	nil	nil	nil	73.0	69.8	nil	nil	nil	80.0	80.1
			L_{90}	62.2	63.6	nil	nil	nil	62.9	62.7	nil	nil	nil	74.9	73.7
			L_{eq}	70.1	67.3	nil	nil	nil	70.7	67.4	nil	nil	nil	77.8	77.8
			L_{max}	84.6	74.8	nil	nil	nil	86.9	65.1	nil	nil	nil	85.2	85.4
		Evening	L_{10}	73.2	70.7	nil	nil	nil	72.9	71.0	nil	nil	nil	79.9	79.5
			L_{90}	63.6	63.9	nil	nil	nil	63.1	64.0	nil	nil	nil	73.9	73.0
			L_{eq}	70.3	68.7	nil	nil	nil	70.0	68.0	nil	nil	nil	77.7	77.2
			L_{max}	82.9	74.7	nil	nil	nil	80.9	75.1	nil	nil	nil	83.7	85.1
		Night	L_{10}	72.1	68.0	nil	nil	nil	73.6	68.7	nil	nil	nil	78.1	77.7
			L_{90}	59.5	61.4	nil	nil	nil	59.9	60.4	nil	nil	nil	68.6	67.9
			L_{eq}	69.0	65.6	nil	nil	nil	71.0	65.7	nil	nil	nil	74.7	74.4
			L_{max}	86.5	72.6	nil	nil	nil	90.4	74.1	nil	nil	nil	85.6	82.5
4	Rm 609, Blk 6, Cheung Yam Hse, On Yum Est, Sheung Kwai Chung, Kowloon	Day	L_{10}	69.5	74.6	65.8	70.4	nil	71.8	73.9	66.7	70.3	nil	66.9	67.1
			L_{90}	58.0	57.0	55.6	59.4	nil	61.8	59.1	57.1	58.1	nil	58.6	59.3
			L_{eq}	66.5	70.1	63.7	66.7	nil	68.8	71.1	64.7	65.0	nil	64.1	64.2
			L_{max}	83.0	80.2	76.7	79.5	nil	83.2	80.7	77.1	77.3	nil	82.5	77.7
		Evening	L_{10}	71.9	68.6	68.0	72.2	nil	73.1	69.1	69.3	70.3	nil	61.5	63.6
			L_{90}	59.2	51.6	50.0	62.6	nil	62.3	51.7	51.0	63.1	nil	57.3	57.5
			L_{eq}	68.4	64.5	64.4	69.2	nil	69.9	65.1	65.1	67.1	nil	59.7	61.5
			L_{max}	81.1	73.0	74.4	81.3	nil	82.5	74.0	74.3	81.7	nil	73.3	72.4
		Night	L_{10}	68.2	74.7	71.6	70.1	nil	71.5	74.6	69.4	72.1	nil	66.9	67.0
			L_{90}	55.9	58.1	57.1	59.4	nil	59.1	59.3	57.1	59.9	nil	61.3	61.1
			L_{eq}	65.2	71.2	69.3	66.1	nil	67.6	71.7	66.7	69.7	nil	64.2	64.9
			L_{max}	84.9	80.7	81.3	79.9	nil	80.2	82.1	80.0	77.3	nil	74.7	74.7
5	Rm H, 1/F, Blk 6, Mayfair Garden, Tsing Yi	Day	L_{10}	73.7	68.1	70.6	66.6	nil	72.5	66.7	71.0	71.3	nil	65.8	65.2
			L_{90}	65.9	48.9	49.0	51.3	nil	54.0	49.0	51.0	52.1	nil	62.3	60.5
			L_{eq}	71.3	62.3	64.6	62.9	nil	70.3	63.1	65.7	66.1	nil	64.2	63.4

			L_{max}	85.9	73.1	75.7	74.2	**nil**	91.6	73.9	75.9	74.4	**nil**	73.3	76.2
		Evening	L_{10}	73.1	70.7	71.7	74.0	**nil**	71.9	70.3	71.6	74.5	**nil**	66.4	63.3
			L_{90}	51.3	55.0	60.7	61.0	**nil**	51.6	55.7	56.0	61.7	**nil**	59.8	59.8
			L_{eq}	70.2	63.7	65.7	66.7	**nil**	70.8	63.6	65.8	69.3	**nil**	64.6	61.9
			L_{max}	90.5	80.1	81.3	84.7	**nil**	95.0	80.3	81.7	84.3	**nil**	83.4	77.4
		Night	L_{10}	63.8	66.7	67.7	68.3	**nil**	60.0	70.0	69.7	69.3	**nil**	59.7	58.9
			L_{90}	51.8	57.2	56.9	55.3	**nil**	48.5	60.7	60.8	60.3	**nil**	57.0	56.3
			L_{eq}	60.4	63.2	65.7	66.7	**nil**	57.4	65.2	69.3	71.7	**nil**	58.5	57.7
			L_{max}	74.7	77.1	78.7	76.7	**nil**	76.5	75.3	78.3	79.3	**nil**	70.0	65.1
6	Rm E, 30/F, Blk 5, Richland Garden, Kowloon Bay	Day	L_{10}	64.4	55.8	66.1	73.4	**nil**	62.2	58.9	59.6	61.2	**nil**	70.8	70.4
			L_{90}	56.7	53.1	55.0	57.4	**nil**	56.5	53.8	54.9	56.5	**nil**	67.9	67.5
			L_{eq}	62.7	55.6	62.1	68.5	**nil**	60.5	56.6	57.7	59.4	**nil**	69.5	69.1
			L_{max}	84.7	69.8	76.0	78.0	**nil**	79.9	65.3	62.7	63.1	**nil**	78.2	74.8
		Evening	L_{10}	60.3	59.0	58.8	61.1	**nil**	60.3	59.3	58.7	62.3	**nil**	70.3	69.9
			L_{90}	56.4	54.5	56.2	57.5	**nil**	55.8	53.7	56.3	57.3	**nil**	67.5	66.9
			L_{eq}	58.7	57.4	57.7	59.7	**nil**	58.4	57.4	57.9	60.7	**nil**	69.0	68.5
			L_{max}	72.8	60.9	60.3	62.6	**nil**	70.0	60.9	60.7	64.7	**nil**	74.4	73.7
		Night	L_{10}	59.6	56.8	54.8	62.7	**nil**	62.2	57.4	60.4	60.1	**nil**	67.1	66.6
			L_{90}	49.6	48.9	50.9	53.8	**nil**	45.9	50.8	52.7	51.1	**nil**	61.4	59.9
			L_{eq}	56.3	54.5	53.5	59.9	**nil**	58.0	54.7	57.7	56.9	**nil**	64.9	64.0
			L_{max}	72.1	69.6	61.7	73.8	**nil**	74.0	69.7	62.2	64.5	**nil**	72.9	71.9
7	Rm 1302, Blk B, Mount Parker Lodge, Quarry Bay, Hong Kong	Day	L_{10}	64.6	63.4	65.0	63.9	64.1	63.5	63.0	63.1	63.2	63.4	60.8	59.9
			L_{90}	52.1	52.0	51.6	52.5	53.0	49.5	49.6	49.3	49.5	50.0	54.2	55.2
			L_{eq}	60.7	60.5	60.4	60.5	60.9	59.8	59.2	59.5	59.3	59.2	58.2	57.9
			L_{max}	77.9	76.5	75.4	73.6	77.1	76.3	70.4	73.5	72.9	73.6	71.3	66.6
		Evening	L_{10}	61.8	61.6	62.0	62.3	62.2	62.6	62.5	62.8	63.0	62.7	58.8	56.9
			L_{90}	49.1	48.7	49.5	50.0	49.6	49.3	49.5	49.2	49.6	49.7	53.6	52.3

			L_{eq}	58.8	58.5	59.0	59.3	59.4	59.2	59.0	58.6	59.3	60.2	56.6	55.2
			L_{max}	78.0	75.1	76.2	69.6	77.1	76.9	75.0	69.9	71.1	71.7	73.0	66.9
		Night	L_{10}	61.6	61.4	61.5	nil	nil	50.0	50.1	50.5	nil	nil	53.3	53.2
			L_{90}	47.1	47.0	47.2	nil	nil	47.4	48.0	47.6	nil	nil	47.1	47.4
			L_{eq}	53.8	52.5	52.0	nil	nil	49.9	50.0	49.8	nil	nil	51.3	50.8
			L_{max}	65.7	66.1	63.0	nil	nil	73.0	62.3	63.5	nil	nil	63.1	64.4
8	Rm 3115, 31/F, Mei Tin Hse, Hing Tin Est., Tseung Kwun O, Kowloon	Day	L_{10}	75.3	74.7	77.7	76.4	nil	74.0	74.3	71.4	75.6	nil	71.7	71.5
			L_{90}	58.9	58.2	58.8	58.2	nil	59.0	58.2	56.3	55.9	nil	68.3	68.4
			L_{eq}	71.3	71.0	73.7	72.5	nil	70.2	70.2	67.2	72.6	nil	70.2	70.1
			L_{max}	87.2	84.1	88.7	85.5	nil	87.4	83.9	80.2	89.6	nil	78.1	79.2
		Evening	L_{10}	72.6	72.0	69.9	76.8	nil	75.2	78.6	67.6	81.6	nil	70.0	71.6
			L_{90}	57.3	55.7	56.9	57.4	nil	59.2	58.8	54.9	74.6	nil	67.5	67.9
			L_{eq}	69.1	67.9	66.0	73.3	nil	71.5	74.7	64.0	77.5	nil	69.4	70.0
			L_{max}	88.5	77.8	77.0	91.5	nil	89.5	87.7	77.1	89.6	nil	79.8	78.1
		Night	L_{10}	70.2	70.9	70.4	68.2	nil	68.0	72.7	70.0	70.4	nil	70.1	70.3
			L_{90}	59.4	58.1	57.3	58.5	nil	59.0	61.0	58.0	57.8	nil	65.5	65.4
			L_{eq}	66.7	67.3	66.4	65.3	nil	65.0	69.0	66.4	67.3	nil	68.1	68.1
			L_{max}	81.0	79.4	78.3	74.7	nil	82.1	77.3	78.7	80.0	nil	80.7	75.9
9	Rm 2307, 23/F, Chu Ping Hse., Long Ping Est, Yuen Long, N.T.	Day	L_{10}	76.8	63.3	78.7	73.5	nil	77.5	63.4	77.3	74.0	nil	68.2	68.5
			L_{90}	58.0	52.8	65.4	56.4	nil	58.6	52.9	65.0	57.3	nil	60.9	61.5
			L_{eq}	72.4	59.5	74.7	68.6	nil	73.4	59.7	74.3	69.3	nil	65.5	66.2
			L_{max}	89.4	66.1	82.4	77.6	nil	91.5	69.3	83.4	79.3	nil	79.4	86.3
		Evening	L_{10}	76.0	72.6	68.7	66.0	nil	71.5	72.3	67.2	67.6	nil	67.3	67.6
			L_{90}	60.0	56.2	60.2	60.8	nil	53.3	61.9	59.2	59.2	nil	59.5	57.5
			L_{eq}	71.9	70.9	67.0	64.1	nil	68.3	68.2	65.1	64.4	nil	64.6	64.2
			L_{max}	87.6	90.2	81.6	69.6	nil	88.5	78.2	78.4	72.8	nil	78.6	75.5
		Night	L_{10}	66.4	61.8	73.5	69.5	nil	69.9	63.4	77.4	69.7	nil	64.2	65.5

			L_{90}	47.6	51.6	51.2	51.8	**nil**	49.0	50.9	54.8	59.0	**nil**	54.1	54.9
			L_{eq}	62.6	58.8	70.0	66.9	**nil**	66.9	61.3	72.5	68.0	**nil**	61.1	62.2
			L_{max}	81.4	72.9	80.4	81.5	**nil**	89.3	76.2	82.0	80.2	**nil**	77.0	72.6
10	Rm 716, 7/F, Chak Tsui Hse., Wan Tsui Est., Chai Wan, Hong Kong	Day	L_{10}	69.1	63.2	67.7	**nil**	**nil**	74.8	66.4	66.5	**nil**	**nil**	74.7	74.3
			L_{90}	53.4	55.8	55.5	**nil**	**nil**	65.0	59.4	61.7	**nil**	**nil**	66.5	66.5
			L_{eq}	66.0	62.5	65.2	**nil**	**nil**	71.3	63.4	64.2	**nil**	**nil**	71.6	71.3
			L_{max}	83.8	75.1	81.9	**nil**	**nil**	85.1	71.1	78.8	**nil**	**nil**	81.6	80.7
		Evening	L_{10}	69.7	68.1	68.2	**nil**	**nil**	69.7	74.7	65.1	**nil**	**nil**	74.5	73.3
			L_{90}	58.7	59.5	59.3	**nil**	**nil**	58.1	62.6	55.6	**nil**	**nil**	66.2	64.4
			L_{eq}	66.3	65.1	64.5	**nil**	**nil**	67.0	70.9	62.3	**nil**	**nil**	71.6	70.2
			L_{max}	81.6	70.8	71.1	**nil**	**nil**	88.2	81.3	69.7	**nil**	**nil**	84.6	87.1
		Night	L_{10}	63.9	64.7	66.0	**nil**	**nil**	63.7	60.5	66.8	**nil**	**nil**	71.4	71.4
			L_{90}	50.3	56.1	55.4	**nil**	**nil**	48.7	52.8	59.7	**nil**	**nil**	59.7	59.7
			L_{eq}	60.1	61.9	63.3	**nil**	**nil**	60.5	58.2	64.0	**nil**	**nil**	67.8	67.7
			L_{max}	72.5	68.6	69.5	**nil**	**nil**	78.0	69.2	72.4	**nil**	**nil**	80.2	81.3
11	Flat 3, 3/F., Blk B, Hong King Garden, Tuen Mun, N.T.	Day	L_{10}	67.1	68.6	67.7	**nil**	**nil**	65.3	64.5	66.0	**nil**	**nil**	73.3	73.2
			L_{90}	56.9	51.4	58.4	**nil**	**nil**	54.0	54.2	56.2	**nil**	**nil**	68.8	67.7
			L_{eq}	63.8	64.1	64.3	**nil**	**nil**	62.5	61.4	62.3	**nil**	**nil**	71.4	71.1
			L_{max}	75.6	73.2	73.6	**nil**	**nil**	85.1	75.5	71.5	**nil**	**nil**	79.2	83.3
		Evening	L_{10}	66.6	68.2	70.5	**nil**	**nil**	65.5	65.2	65.2	**nil**	**nil**	72.5	71.9
			L_{90}	55.0	58.3	59.6	**nil**	**nil**	54.6	57.4	58.0	**nil**	**nil**	66.7	66.0
			L_{eq}	63.5	64.8	67.0	**nil**	**nil**	61.9	62.6	62.6	**nil**	**nil**	70.2	69.6
			L_{max}	87.6	73.1	74.4	**nil**	**nil**	74.6	69.4	69.8	**nil**	**nil**	81.5	79.6
		Night	L_{10}	67.6	67.7	66.0	**nil**	**nil**	65.9	62.3	64.8	**nil**	**nil**	71.1	74.4
			L_{90}	56.0	57.5	54.0	**nil**	**nil**	55.7	55.4	56.0	**nil**	**nil**	64.8	72.0
			L_{eq}	64.3	64.3	62.2	**nil**	**nil**	62.6	59.7	62.1	**nil**	**nil**	68.6	73.6
			L_{max}	79.8	74.9	71.8	**nil**	**nil**	74.1	67.5	69.0	**nil**	**nil**	77.3	74.6

12	Flat 3, 3/F., Hing Fai Hse, Tai Hing Est., Tuen Mun, N.T.	Day	L_{10}	57.1	56.9	57.4	**nil**	**nil**	52.8	59.1	60.1	**nil**	**nil**	64.3	64.6
			L_{90}	46.0	42.4	43.9	**nil**	**nil**	37.7	44.1	44.6	**nil**	**nil**	61.4	61.4
			L_{eq}	54.3	55.1	54.7	**nil**	**nil**	46.2	54.2	54.9	**nil**	**nil**	63.0	63.2
			L_{max}	73.5	74.2	71.5	**nil**	**nil**	78.0	76.2	73.4	**nil**	**nil**	74.8	75.8
		Evening	L_{10}	71.0	73.1	71.2	**nil**	**nil**	70.2	72.4	70.3	**nil**	**nil**	63.1	63.4
			L_{90}	60.3	59.7	59.1	**nil**	**nil**	57.1	59.6	59.0	**nil**	**nil**	60.4	60.3
			L_{eq}	67.8	68.2	66.4	**nil**	**nil**	67.1	68.1	67.0	**nil**	**nil**	61.8	62.2
			L_{max}	83.0	79.2	77.1	**nil**	**nil**	84.5	79.9	74.2	**nil**	**nil**	75.1	78.3
		Night	L_{10}	47.3	48.1	48.4	**nil**	**nil**	47.8	48.3	48.3	**nil**	**nil**	60.5	62.8
			L_{90}	44.9	45.7	45.9	**nil**	**nil**	45.3	45.2	46.0	**nil**	**nil**	58.3	58.7
			L_{eq}	46.1	46.9	46.6	**nil**	**nil**	46.7	46.4	47.0	**nil**	**nil**	59.4	60.9
			L_{max}	54.6	55.1	56.2	**nil**	**nil**	59.2	56.9	57.2	**nil**	**nil**	69.2	75.9
13	Flat D, 17/F, Blk 3, Glorious Garden, Tuen Mun, N.T.	Day	L_{10}	70.9	62.3	69.0	68.6	**nil**	72.8	61.2	75.6	71.7	**nil**	64.7	64.0
			L_{90}	54.9	50.8	56.1	58.5	**nil**	55.1	50.5	57.3	59.5	**nil**	60.5	59.9
			L_{eq}	68.3	58.9	64.6	65.2	**nil**	59.3	57.6	71.0	67.6	**nil**	62.9	61.6
			L_{max}	91.2	71.5	73.5	75.6	**nil**	91.2	69.5	83.3	79.6	**nil**	81.1	81.3
		Evening	L_{10}	70.5	60.9	63.7	68.6	**nil**	71.6	69.4	70.3	66.8	**nil**	64.2	65.7
			L_{90}	57.4	49.0	52.3	54.5	**nil**	57.0	53.4	57.6	55.7	**nil**	60.7	61.0
			L_{eq}	68.4	58.5	60.4	65.6	**nil**	59.8	66.5	65.9	63.1	**nil**	62.7	63.9
			L_{max}	94.4	72.7	70.0	79.1	**nil**	93.4	82.8	74.3	73.2	**nil**	78.9	81.4
		Night	L_{10}	65.7	64.1	65.7	70.7	**nil**	64.6	61.1	67.6	68.4	**nil**	61.1	61.1
			L_{90}	52.3	47.4	54.8	58.8	**nil**	52.6	50.9	56.7	59.7	**nil**	55.6	55.1
			L_{eq}	61.7	61.4	62.8	66.7	**nil**	61.1	57.5	64.2	64.9	**nil**	58.9	59.1
			L_{max}	79.3	79.3	76.1	75.3	**nil**	79.9	69.1	75.1	73.1	**nil**	71.5	74.9
14	Flat 1, 18/F, Fu Ning Hse., Fu Keung Court, 8 Fu Mei St., Lok Fu, Kowloon	Day	L_{10}	55.9	55.0	55.0	61.5	**nil**	56.3	55.1	54.2	58.9	**nil**	64.9	64.8
			L_{90}	49.6	49.8	49.2	52.2	**nil**	48.6	49.1	46.9	53.6	**nil**	58.6	57.6
			L_{eq}	54.2	52.8	53.3	58.3	**nil**	54.1	52.9	51.8	56.8	**nil**	62.3	62.7

			L_{max}	72.1	57.6	60.4	67.6	nil	73.3	63.4	60.8	62.7	nil	71.7	81.1
		Evening	L_{10}	57.0	55.0	55.4	58.9	nil	64.7	55.2	55.7	58.4	nil	65.3	64.5
			L_{90}	48.9	47.6	49.9	51.8	nil	48.7	48.8	50.6	50.5	nil	57.8	56.6
			L_{eq}	55.1	52.9	53.1	56.3	nil	60.8	53.0	53.6	55.3	nil	63.2	61.6
			L_{max}	77.7	58.7	61.9	64.0	nil	80.9	58.1	61.6	62.3	nil	82.6	79.0
		Night	L_{10}	69.3	71.9	63.0	68.0	nil	66.2	72.0	73.6	71.7	nil	63.0	63.5
			L_{90}	52.9	54.4	53.1	60.9	nil	50.8	56.7	59.2	55.5	nil	53.0	53.8
			L_{eq}	66.1	67.4	61.6	64.8	nil	63.7	67.8	69.7	67.8	nil	59.5	59.8
			L_{max}	86.9	81.6	75.7	72.0	nil	83.1	76.8	79.3	79.5	nil	74.9	72.9
15	Rm 719, Fung Yue Hse, Sam Shing Est., Tuen Mun, N.T.	Day	L_{10}	57.7	53.8	nil	nil	nil	57.9	53.9	nil	nil	nil	63.2	63.3
			L_{90}	50.3	50.0	nil	nil	nil	50.4	50.1	nil	nil	nil	57.5	57.2
			L_{eq}	55.0	52.0	nil	nil	nil	55.0	52.4	nil	nil	nil	60.9	60.9
			L_{max}	60.0	59.1	nil	nil	nil	59.8	59.4	nil	nil	nil	65.5	65.4
		Evening	L_{10}	60.2	59.5	nil	nil	nil	59.9	58.3	nil	nil	nil	61.6	60.8
			L_{90}	48.9	49.3	nil	nil	nil	48.7	45.4	nil	nil	nil	55.3	55.0
			L_{eq}	56.4	56.1	nil	nil	nil	56.2	52.6	nil	nil	nil	58.9	58.5
			L_{max}	63.1	62.4	nil	nil	nil	63.0	60.9	nil	nil	nil	64.0	63.4
		Night	L_{10}	55.1	52.3	nil	nil	nil	55.1	52.2	nil	nil	nil	60.0	59.7
			L_{90}	45.6	46.8	nil	nil	nil	45.5	45.3	nil	nil	nil	53.6	54.2
			L_{eq}	51.6	50.4	nil	nil	nil	51.5	49.3	nil	nil	nil	57.2	57.4
			L_{max}	58.0	55.0	nil	nil	nil	57.6	54.8	nil	nil	nil	63.1	62.4
16	Rm B, 17/F, Blk 2, Rhine Garden, Sham Tseng, N.T.	Day	L_{10}	61.0	69.0	70.0	69.8	nil	62.8	67.1	68.2	67.0	nil	75.0	74.5
			L_{90}	53.5	59.8	61.3	61.3	nil	53.5	53.9	56.1	53.1	nil	69.8	69.4
			L_{eq}	58.7	65.9	67.0	67.0	nil	61.3	63.5	65.0	63.4	nil	72.8	72.5
			L_{max}	77.8	71.9	74.9	76.0	nil	82.3	73.1	71.3	75.7	nil	81.8	83.7
		Evening	L_{10}	69.1	66.1	65.0	67.2	nil	64.8	67.7	71.1	70.5	nil	70.4	70.2
			L_{90}	55.2	51.9	49.9	53.5	nil	51.3	53.4	52.9	54.5	nil	64.0	63.1

			L_{eq}	66.3	63.1	61.7	64.3	nil	63.3	64.0	67.2	67.6	nil	68.1	67.7
			L_{max}	90.2	75.4	77.1	79.3	nil	88.7	73.4	79.3	83.1	nil	79.6	82.8
		Night	L_{10}	67.8	64.3	64.9	66.1	nil	66.4	65.6	68.5	70.4	nil	69.1	69.4
			L_{90}	54.4	55.1	57.6	57.0	nil	55.3	53.3	60.8	61.5	nil	61.5	60.9
			L_{eq}	64.7	61.5	62.2	63.1	nil	63.1	62.5	66.5	67.4	nil	66.4	66.5
			L_{max}	80.9	70.9	74.7	70.5	nil	74.0	73.2	77.1	76.8	nil	77.8	75.4
17	20/F, Blk 1, Noble Place, King Fung Path, Tuen Mun, N.T.	Day	L_{10}	72.3	67.2	60.4	68.4	nil	64.7	64.7	59.0	61.5	nil	65.2	60.4
			L_{90}	56.3	59.6	56.5	55.6	nil	54.0	54.7	56.0	54.9	nil	55.4	54.3
			L_{eq}	69.6	64.5	58.6	67.0	nil	62.9	61.7	57.6	59.3	nil	63.8	58.7
			L_{max}	90.5	71.7	65.4	83.0	nil	85.4	66.9	62.5	66.7	nil	86.2	78.2
		Evening	L_{10}	67.0	67.9	61.2	69.9	nil	67.8	66.7	67.0	69.3	nil	61.0	60.5
			L_{90}	52.8	60.0	56.6	55.6	nil	57.3	59.7	55.7	55.7	nil	54.6	53.7
			L_{eq}	65.0	65.7	59.7	67.2	nil	66.5	63.2	64.7	67.3	nil	59.3	58.6
			L_{max}	84.9	72.2	66.1	83.2	nil	**100.7**	72.2	72.7	73.7	nil	79.9	77.4
		Night	L_{10}	65.4	70.9	69.1	69.9	nil	63.8	69.9	65.6	71.3	nil	52.9	52.1
			L_{90}	53.6	58.6	58.6	56.3	nil	51.9	60.4	61.0	59.2	nil	48.4	47.9
			L_{eq}	62.4	67.3	65.9	65.0	nil	60.5	66.8	63.7	67.0	nil	51.0	50.5
			L_{max}	79.7	73.8	73.2	73.8	nil	79.5	73.5	68.7	74.3	nil	65.5	70.6
18	Flat D, 25/F, Blk 1, Pierhead Garden, Tuen Mun, N.T.	Day	L_{10}	71.5	58.5	67.0	68.1	nil	72.9	72.8	66.1	65.3	nil	65.7	66.4
			L_{90}	53.3	53.4	53.9	52.4	nil	55.9	59.4	53.2	53.8	nil	58.9	60.1
			L_{eq}	67.1	57.3	62.7	63.7	nil	68.8	68.4	62.0	61.5	nil	63.2	64.2
			L_{max}	83.3	69.6	72.6	76.5	nil	82.8	79.9	74.2	75.5	nil	77.5	79.6
		Evening	L_{10}	65.6	70.3	74.6	73.1	nil	72.3	71.1	60.3	66.3	nil	67.3	65.6
			L_{90}	59.3	55.8	58.5	56.2	nil	58.3	56.0	53.7	55.3	nil	56.5	60.0
			L_{eq}	62.9	66.5	70.4	68.7	nil	68.5	66.8	57.8	63.4	nil	65.1	63.3
			L_{max}	73.9	78.3	80.7	76.7	nil	85.1	78.0	64.0	77.9	nil	79.6	71.3
		Night	L_{10}	66.2	66.4	nil	nil	nil	63.3	64.6	nil	nil	nil	64.9	66.6

			L_{90}	55.4	55.8	nil	nil	nil	57.2	54.1	nil	nil	nil	59.3	57.9
			L_{eq}	62.6	62.7	nil	nil	nil	60.7	61.9	nil	nil	nil	63.0	64.8
			L_{max}	75.7	69.3	nil	nil	nil	67.6	70.7	nil	nil	nil	71.7	77.6
19	54G, Pai Tau Village, Pai Tau St., Shatin, N.T.	Day	L_{10}	68.9	62.3	68.5	nil	nil	70.9	67.7	63.7	nil	nil	61.7	63.4
			L_{90}	58.9	57.3	57.0	nil	nil	58.2	58.5	56.7	nil	nil	58.4	58.6
			L_{eq}	66.1	62.8	62.2	nil	nil	67.3	64.1	60.0	nil	nil	60.2	61.6
			L_{max}	82.8	83.0	70.2	nil	nil	85.3	71.7	66.3	nil	nil	69.3	72.6
		Evening	L_{10}	64.1	64.5	65.0	nil	nil	68.4	65.9	65.0	nil	nil	61.2	60.7
			L_{90}	55.7	56.7	57.2	nil	nil	58.5	59.3	59.1	nil	nil	57.4	57.3
			L_{eq}	61.8	61.4	62.7	nil	nil	66.9	63.3	62.5	nil	nil	59.5	59.4
			L_{max}	79.2	73.0	74.9	nil	nil	85.8	69.7	69.6	nil	nil	70.3	80.6
		Night	L_{10}	69.9	67.1	72.1	nil	nil	70.8	67.5	69.1	nil	nil	60.8	60.7
			L_{90}	55.8	58.9	61.7	nil	nil	57.5	57.8	58.1	nil	nil	55.1	54.6
			L_{eq}	65.7	63.9	65.8	nil	nil	67.3	64.3	65.8	nil	nil	58.4	58.9
			L_{max}	85.2	69.4	73.3	nil	nil	83.8	75.2	77.3	nil	nil	73.6	78.6
20	Flat B5, 14/F, 23-35 Ma Tau Wai Rd, Hung Hom	Day	L_{10}	60.6	73.8	69.7	nil	nil	56.3	70.2	73.7	nil	nil	68.4	68.1
			L_{90}	51.9	51.8	55.6	nil	nil	51.4	51.1	55.6	nil	nil	64.7	64.5
			L_{eq}	57.4	68.8	65.6	nil	nil	54.9	65.5	70.8	nil	nil	66.7	66.4
			L_{max}	74.3	80.6	76.8	nil	nil	73.9	74.7	85.2	nil	nil	76.0	72.7
		Evening	L_{10}	61.2	55.0	60.5	nil	nil	57.6	59.9	61.7	nil	nil	68.0	67.9
			L_{90}	51.7	51.3	52.3	nil	nil	51.5	51.9	52.7	nil	nil	64.6	64.3
			L_{eq}	58.3	53.7	57.7	nil	nil	55.1	56.3	58.4	nil	nil	66.3	66.2
			L_{max}	77.5	66.9	72.9	nil	nil	69.8	63.1	69.8	nil	nil	76.1	71.6
		Night	L_{10}	56.0	59.5	53.6	nil	nil	60.1	58.7	53.8	nil	nil	66.4	67.0
			L_{90}	49.9	53.4	51.1	nil	nil	50.8	51.8	51.1	nil	nil	61.8	61.4
			L_{eq}	54.7	57.3	52.3	nil	nil	56.9	56.3	52.8	nil	nil	64.0	64.3
			L_{max}	79.9	67.3	55.4	nil	nil	73.2	61.7	57.0	nil	nil	72.9	73.9

21	Rm 319, Shek Kuk Hse., Shek Wai Kok Est., Tsuen Wan, N.T.	Day	L_{10}	69.0	65.5	60.5	nil	nil	73.3	66.8	67.6	nil	nil	69.5	69.1
			L_{90}	54.3	52.3	51.9	nil	nil	55.1	53.2	54.1	nil	nil	62.7	62.5
			L_{eq}	64.9	61.2	57.8	nil	nil	69.0	62.7	62.6	nil	nil	66.9	66.5
			L_{max}	85.1	75.0	70.8	nil	nil	84.2	73.5	73.8	nil	nil	75.7	73.5
		Evening	L_{10}	67.6	61.4	66.5	nil	nil	66.7	63.8	59.7	nil	nil	68.9	68.9
			L_{90}	52.9	53.4	55.6	nil	nil	52.9	52.1	51.3	nil	nil	61.3	60.3
			L_{eq}	64.5	58.9	63.2	nil	nil	63.6	60.1	56.7	nil	nil	66.5	66.0
			L_{max}	84.0	72.5	76.6	nil	nil	86.3	71.7	68.5	nil	nil	82.2	74.7
		Night	L_{10}	63.2	62.9	64.4	nil	nil	65.0	63.4	61.9	nil	nil	66.7	66.4
			L_{90}	53.5	50.2	56.2	nil	nil	55.1	54.1	51.7	nil	nil	54.8	55.5
			L_{eq}	59.8	59.6	61.3	nil	nil	61.6	59.7	58.6	nil	nil	63.1	63.0
			L_{max}	72.3	71.6	67.7	nil	nil	73.5	69.2	65.4	nil	nil	73.3	74.3
22	Flat C, 3/F, Blk 6, Handsome Court, Tuen Mun, N.T.	Day	L_{10}	54.1	61.7	56.9	nil	nil	52.9	48.8	47.8	nil	nil	61.1	59.9
			L_{90}	48.4	50.1	49.5	nil	nil	48.6	47.1	47.3	nil	nil	57.2	56.3
			L_{eq}	52.4	58.6	53.4	nil	nil	52.5	47.9	47.5	nil	nil	59.4	58.3
			L_{max}	72.3	73.0	65.8	nil	nil	73.4	55.3	55.1	nil	nil	71.9	72.0
		Evening	L_{10}	66.3	54.4	53.0	nil	nil	68.8	51.9	51.4	nil	nil	59.5	58.5
			L_{90}	59.9	49.0	49.1	nil	nil	52.1	47.9	48.0	nil	nil	55.4	55.4
			L_{eq}	65.6	52.4	51.1	nil	nil	66.9	50.5	49.5	nil	nil	58.0	57.0
			L_{max}	70.4	64.3	57.8	nil	nil	87.2	65.5	57.4	nil	nil	74.7	69.7
		Night	L_{10}	56.6	64.9	65.4	nil	nil	63.7	61.6	61.2	nil	nil	56.8	55.5
			L_{90}	42.5	51.5	46.4	nil	nil	43.4	42.1	42.6	nil	nil	53.6	52.0
			L_{eq}	50.9	63.6	64.3	nil	nil	60.4	57.9	57.1	nil	nil	55.4	54.1
			L_{max}	87.4	84.6	87.2	nil	nil	81.3	80.1	86.4	nil	nil	63.1	72.3
23	Flat B, 7/F, Blk 3, Tsui Lai Garden, Sheung Shui, N.T.	Day	L_{10}	63.2	65.3	68.2	nil	nil	63.2	65.4	66.1	nil	nil	59.2	60.1
			L_{90}	48.8	47.7	48.7	nil	nil	46.9	50.3	48.9	nil	nil	55.3	55.3
			L_{eq}	60.2	61.2	56.3	nil	nil	59.4	61.6	61.5	nil	nil	57.5	58.0

			L_{max}	85.4	77.7	83.8	nil	nil	78.6	76.9	73.1	nil	nil	70.9	68.3
		Evening	L_{10}	62.0	60.4	58.9	nil	nil	58.8	57.4	61.0	nil	nil	60.4	59.5
			L_{90}	49.0	46.9	49.7	nil	nil	47.6	48.9	47.8	nil	nil	56.0	55.0
			L_{eq}	58.3	58.1	56.2	nil	nil	55.9	54.7	57.7	nil	nil	58.5	57.0
			L_{max}	76.1	72.9	65.9	nil	nil	72.9	62.3	71.3	nil	nil	71.4	67.1
		Night	L_{10}	67.0	66.2	67.2	nil	nil	68.9	71.0	71.6	nil	nil	55.8	55.8
			L_{90}	51.7	50.2	51.3	nil	nil	51.7	51.5	53.3	nil	nil	51.3	51.0
			L_{eq}	66.0	63.5	63.3	nil	nil	65.5	68.0	69.2	nil	nil	54.3	53.9
			L_{max}	87.2	79.8	78.2	nil	nil	87.7	86.6	89.0	nil	nil	72.5	66.9
24	Flat G, 20/F, Tower 3, Rambler Crest, Tsing Yi	Day	L_{10}	68.6	59.4	70.3	nil	nil	68.1	70.2	72.5	nil	nil	59.0	58.6
			L_{90}	54.8	51.7	48.6	nil	nil	53.0	52.1	54.8	nil	nil	55.7	55.7
			L_{eq}	64.6	56.7	65.9	nil	nil	64.2	65.2	69.7	nil	nil	57.6	57.9
			L_{max}	74.3	64.3	77.6	nil	nil	82.3	77.7	80.8	nil	nil	67.0	78.3
		Evening	L_{10}	71.2	67.1	59.9	nil	nil	71.5	69.1	67.0	nil	nil	58.5	59.3
			L_{90}	59.5	57.9	45.5	nil	nil	47.2	56.6	55.5	nil	nil	55.5	55.2
			L_{eq}	68.6	63.6	59.1	nil	nil	67.2	65.1	63.4	nil	nil	57.2	57.7
			L_{max}	87.7	71.7	61.8	nil	nil	85.0	77.2	76.2	nil	nil	65.8	73.7
		Night	L_{10}	63.5	66.9	61.6	nil	nil	69.1	66.6	63.9	nil	nil	57.5	57.5
			L_{90}	47.5	51.5	53.0	nil	nil	50.5	54.5	56.5	nil	nil	54.2	53.7
			L_{eq}	61.6	62.4	59.0	nil	nil	64.7	62.6	61.2	nil	nil	56.0	55.7
			L_{max}	86.7	77.2	69.1	nil	nil	81.1	68.4	69.7	nil	nil	68.6	65.9
25	10/F, Seaview Mansion, 37 Belcher's St, Kennedy Town, Hong Kong	Day	L_{10}	68.0	65.8	64.3	nil	nil	66.5	63.4	63.9	nil	nil	60.8	61.1
			L_{90}	56.0	56.7	57.3	nil	nil	56.4	56.4	56.1	nil	nil	58.2	59.1
			L_{eq}	64.3	62.5	61.6	nil	nil	63.2	60.9	61.0	nil	nil	59.6	59.9
			L_{max}	79.5	71.9	68.9	nil	nil	75.3	69.7	69.3	nil	nil	71.0	72.2
		Evening	L_{10}	69.0	67.6	67.4	nil	nil	67.3	64.9	65.8	nil	nil	61.2	60.4
			L_{90}	55.1	61.5	56.2	nil	nil	56.0	53.9	56.6	nil	nil	57.4	57.5

			L_{eq}	66.2	65.5	63.8	**nil**	**nil**	64.0	61.9	62.5	**nil**	**nil**	59.6	59.1
			L_{max}	87.5	77.1	74.2	**nil**	**nil**	77.6	70.6	71.9	**nil**	**nil**	70.0	70.4
		Night	L_{10}	61.4	59.8	61.5	**nil**	**nil**	63.5	62.0	65.0	**nil**	**nil**	57.6	58.7
			L_{90}	50.6	51.0	50.9	**nil**	**nil**	50.0	49.7	51.1	**nil**	**nil**	54.6	54.9
			L_{eq}	60.0	57.3	60.4	**nil**	**nil**	59.6	58.5	61.0	**nil**	**nil**	56.2	57.0
			L_{max}	81.4	70.2	83.0	**nil**	**nil**	74.0	70.6	70.7	**nil**	**nil**	64.4	67.9
26	Rm 3009, Shui Choi Hse, Tin Shui Est., Tin Shui Wai, N.T.	Day	L_{10}	68.2	61.3	69.3	**nil**	**nil**	70.5	68.0	69.5	**nil**	**nil**	62.2	62.2
			L_{90}	55.3	56.5	56.0	**nil**	**nil**	55.8	56.2	58.0	**nil**	**nil**	58.6	58.2
			L_{eq}	66.5	59.2	64.9	**nil**	**nil**	66.9	64.8	65.4	**nil**	**nil**	60.6	60.5
			L_{max}	92.5	68.1	76.0	**nil**	**nil**	86.6	75.9	74.7	**nil**	**nil**	75.2	74.2
		Evening	L_{10}	69.3	70.4	71.2	**nil**	**nil**	64.4	59.4	60.4	**nil**	**nil**	61.8	60.2
			L_{90}	55.4	56.7	56.4	**nil**	**nil**	55.1	54.3	53.6	**nil**	**nil**	58.2	56.9
			L_{eq}	67.6	68.0	69.8	**nil**	**nil**	62.4	61.5	57.9	**nil**	**nil**	60.4	58.6
			L_{max}	88.0	82.8	84.2	**nil**	**nil**	83.1	82.1	65.6	**nil**	**nil**	80.5	67.2
		Night	L_{10}	64.1	60.7	67.6	**nil**	**nil**	68.1	69.6	68.7	**nil**	**nil**	57.8	57.7
			L_{90}	54.7	54.2	55.5	**nil**	**nil**	55.1	56.1	53.9	**nil**	**nil**	53.8	53.8
			L_{eq}	61.3	57.9	64.4	**nil**	**nil**	64.3	65.5	63.8	**nil**	**nil**	56.0	56.0
			L_{max}	81.0	65.0	77.4	**nil**	**nil**	80.1	76.2	74.1	**nil**	**nil**	74.1	65.2
27	7/F, Kam Ho Mansion, Belcher's St., Kennedy Town, Hong Kong	Day	L_{10}	67.2	67.4	67.6	**nil**	**nil**	66.0	67.0	68.1	**nil**	**nil**	67.8	69.0
			L_{90}	58.5	58.1	58.9	**nil**	**nil**	57.5	58.0	59.2	**nil**	**nil**	63.5	64.6
			L_{eq}	64.9	64.1	65.1	**nil**	**nil**	63.1	64.0	64.4	**nil**	**nil**	65.8	67.0
			L_{max}	87.3	81.0	84.2	**nil**	**nil**	81.7	80.0	77.8	**nil**	**nil**	73.4	74.5
		Evening	L_{10}	60.0	57.4	55.0	**nil**	**nil**	59.8	57.9	57.7	**nil**	**nil**	65.8	66.6
			L_{90}	51.8	52.1	52.1	**nil**	**nil**	52.1	51.0	52.1	**nil**	**nil**	62.4	62.6
			L_{eq}	57.3	55.8	55.2	**nil**	**nil**	56.8	55.1	56.0	**nil**	**nil**	64.0	64.4
			L_{max}	76.0	66.0	69.1	**nil**	**nil**	68.0	64.1	71.1	**nil**	**nil**	70.9	74.5
		Night	L_{10}	57.1	61.0	63.1	**nil**	**nil**	58.0	61.4	62.1	**nil**	**nil**	66.1	65.7

			L_{90}	51.7	51.9	56.8	nil	nil	51.8	51.7	57.1	nil	nil	62.5	62.6
			L_{eq}	54.8	58.1	60.2	nil	nil	55.4	57.9	59.4	nil	nil	64.2	64.1
			L_{max}	65.9	74.1	80.1	nil	nil	65.5	70.7	77.4	nil	nil	71.5	71.0
28	Flat D, 13/F, Blk 7, Sun Tuen Mun Centre, Tuen Mun, N.T.	Day	L_{10}	62.4	62.0	63.0	nil	nil	61.0	61.5	63.2	nil	nil	74.9	72.9
			L_{90}	56.8	56.4	57.1	nil	nil	54.9	55.9	57.9	nil	nil	68.9	66.6
			L_{eq}	60.1	60.0	60.4	nil	nil	58.7	59.4	60.0	nil	nil	72.6	70.4
			L_{max}	72.9	71.8	73.8	nil	nil	76.9	77.1	78.4	nil	nil	81.9	88.2
		Evening	L_{10}	71.3	70.1	73.1	nil	nil	68.3	70.8	72.5	nil	nil	69.6	70.6
			L_{90}	54.0	55.9	59.4	nil	nil	54.7	54.8	59.1	nil	nil	62.0	62.6
			L_{eq}	66.9	67.1	67.4	nil	nil	65.2	66.2	68.1	nil	nil	66.8	67.5
			L_{max}	83.3	84.4	87.1	nil	nil	84.9	81.1	89.4	nil	nil	77.4	79.6
		Night	L_{10}	65.0	63.0	66.2	nil	nil	67.8	62.4	67.1	nil	nil	73.6	71.1
			L_{90}	54.5	54.8	55.8	nil	nil	54.2	54.1	54.9	nil	nil	64.7	62.4
			L_{eq}	62.5	61.0	63.4	nil	nil	63.7	60.0	64.2	nil	nil	70.4	67.8
			L_{max}	86.0	87.1	79.1	nil	nil	81.4	54.1	77.8	nil	nil	83.4	80.8
29	Flat D, 7/F, Blk 5, Chelsea Heights, Tuen Mun	Day	L_{10}	67.7	67.1	62.7	53.9	nil	68.5	61.7	64.5	63.2	nil	67.6	67.5
			L_{90}	54.4	54.1	51.3	52.1	nil	56.3	53.4	52.6	52.3	nil	64.0	63.8
			L_{eq}	63.8	62.8	60.3	53.0	nil	64.8	58.5	60.3	58.5	nil	66.0	65.7
			L_{max}	79.7	76.1	74.6	59.6	nil	80.4	71.2	72.3	77.8	nil	80.4	73.2
		Evening	L_{10}	70.7	62.8	68.0	71.5	nil	68.8	66.4	66.1	70.3	nil	67.2	67.4
			L_{90}	56.2	55.0	56.8	58.0	nil	61.6	55.0	57.0	56.3	nil	63.6	63.5
			L_{eq}	66.8	60.3	63.9	67.7	nil	65.1	62.3	62.8	66.7	nil	65.5	65.6
			L_{max}	82.8	73.4	73.7	80.4	nil	79.8	77.6	71.4	77.8	nil	75.9	75.1
		Night	L_{10}	66.9	62.8	62.0	61.9	nil	67.3	68.0	66.9	67.0	nil	64.1	63.9
			L_{90}	55.7	54.5	54.3	55.8	nil	56.5	54.9	55.4	56.1	nil	57.7	59.6
			L_{eq}	63.3	61.0	60.9	59.6	nil	63.9	63.8	63.7	63.8	nil	62.1	61.8
			L_{max}	77.6	78.5	75.6	69.2	nil	78.5	74.4	77.1	77.1	nil	77.5	70.9

30	Rm 3503, Yiu Shing Hse, Tin Yiu Est., Tin Shui Wai, N.T.	Day	L_{10}	66.5	70.9	62.4	nil	nil	67.1	69.5	69.3	nil	nil	64.5	63.5
			L_{90}	54.7	61.0	58.1	nil	nil	56.1	58.9	57.4	nil	nil	56.9	57.7
			L_{eq}	63.4	67.4	65.3	nil	nil	65.0	65.6	66.3	nil	nil	61.4	60.8
			L_{max}	80.1	77.5	60.5	nil	nil	80.9	75.1	80.9	nil	nil	72.9	67.0
		Evening	L_{10}	69.3	68.1	70.4	nil	nil	69.0	72.4	74.0	nil	nil	64.0	64.8
			L_{90}	61.6	62.8	64.1	nil	nil	61.5	62.6	64.6	nil	nil	55.8	56.6
			L_{eq}	66.9	66.4	69.8	nil	nil	65.5	68.4	70.5	nil	nil	61.1	61.9
			L_{max}	83.2	77.1	82.4	nil	nil	81.8	77.2	81.1	nil	nil	70.7	73.0
		Night	L_{10}	66.0	68.3	68.4	nil	nil	67.8	69.7	68.5	nil	nil	63.4	63.4
			L_{90}	57.0	63.9	63.4	nil	nil	63.0	64.0	63.0	nil	nil	54.7	56.7
			L_{eq}	63.0	66.3	66.1	nil	nil	65.8	67.9	66.7	nil	nil	60.9	60.8
			L_{max}	73.6	70.6	71.8	nil	nil	75.8	78.3	71.7	nil	nil	72.0	71.1
31	G/F, Kwong Fu Court, Aberdeen Centre, Hong Kong	Day	L_{10}	70.8	71.5	70.0	nil	nil	71.3	72.4	70.5	nil	nil	68.0	68.5
			L_{90}	62.4	62.1	61.5	nil	nil	62.7	62.9	62.1	nil	nil	66.0	66.2
			L_{eq}	68.2	66.8	66.1	nil	nil	69.6	67.4	68.1	nil	nil	67.1	67.5
			L_{max}	83.5	81.4	77.8	nil	nil	92.8	82.8	78.9	nil	nil	75.1	81.2
		Evening	L_{10}	69.2	69.5	70.7	nil	nil	71.6	70.7	71.8	nil	nil	66.9	66.8
			L_{90}	60.2	59.0	61.2	nil	nil	61.2	60.6	62.1	nil	nil	64.5	64.6
			L_{eq}	66.6	64.1	65.5	nil	nil	69.2	67.4	69.9	nil	nil	65.7	65.9
			L_{max}	84.3	82.5	84.1	nil	nil	92.8	88.1	87.5	nil	nil	73.0	84.3
		Night	L_{10}	69.8	66.8	66.0	nil	nil	66.8	67.4	65.6	nil	nil	64.9	65.0
			L_{90}	64.1	60.7	60.1	nil	nil	63.8	61.0	59.6	nil	nil	61.6	60.8
			L_{eq}	69.4	64.1	63.4	nil	nil	66.0	64.5	63.8	nil	nil	63.6	63.2
			L_{max}	91.8	71.5	70.6	nil	nil	89.3	72.1	71.9	nil	nil	79.5	75.7
32	Flat B7, 13/F, Nam Hung Mansion, 5 Belcher's St, Kennedy Town,	Day	L_{10}	53.1	55.4	53.0	nil	nil	54.8	56.0	52.5	nil	nil	70.7	70.8
			L_{90}	47.3	48.1	47.1	nil	nil	48.5	48.5	47.4	nil	nil	65.0	65.3
			L_{eq}	53.0	53.2	52.8	nil	nil	54.0	55.0	54.3	nil	nil	68.8	69.1

	Hong Kokng		L_{max}	82.9	77.1	79.1	**nil**	**nil**	75.0	78.1	79.2	**nil**	**nil**	88.9	86.9
		Evening	L_{10}	56.4	57.2	56.8	**nil**	**nil**	53.6	57.5	59.0	**nil**	**nil**	68.7	69.3
			L_{90}	45.5	46.0	46.0	**nil**	**nil**	45.0	45.5	46.2	**nil**	**nil**	60.6	60.1
			L_{eq}	55.2	57.1	55.2	**nil**	**nil**	51.8	53.2	52.4	**nil**	**nil**	66.7	66.6
			L_{max}	80.9	79.2	79.1	**nil**	**nil**	71.3	74.1	75.5	**nil**	**nil**	83.7	79.2
		Night	L_{10}	52.5	53.8	54.4	**nil**	**nil**	52.7	53.5	54.3	**nil**	**nil**	68.2	68.3
			L_{90}	44.6	45.0	44.1	**nil**	**nil**	45.9	46.2	45.3	**nil**	**nil**	59.6	60.4
			L_{eq}	51.0	51.5	51.2	**nil**	**nil**	50.9	51.2	50.9	**nil**	**nil**	65.0	65.2
			L_{max}	72.0	74.1	71.1	**nil**	**nil**	71.5	73.2	71.2	**nil**	**nil**	74.4	79.9
33	Flat B, 4/F, Kei Hei Lee Bld, Lot no. 158, Tuen Mun, N.T.	Day	L_{10}	60.4	60.8	61.2	**nil**	**nil**	60.5	62.4	61.3	**nil**	**nil**	62.1	62.4
			L_{90}	49.4	53.2	50.3	**nil**	**nil**	49.5	50.1	51.1	**nil**	**nil**	51.3	51.7
			L_{eq}	57.3	60.0	60.7	**nil**	**nil**	57.3	59.2	60.7	**nil**	**nil**	58.9	58.8
			L_{max}	76.2	80.2	70.8	**nil**	**nil**	75.7	68.3	72.1	**nil**	**nil**	75.7	70.8
		Evening	L_{10}	62.6	61.7	60.9	**nil**	**nil**	60.9	61.8	59.8	**nil**	**nil**	62.1	61.8
			L_{90}	51.3	54.0	51.1	**nil**	**nil**	50.3	50.7	51.8	**nil**	**nil**	50.4	50.5
			L_{eq}	59.4	60.1	61.2	**nil**	**nil**	57.7	61.0	60.1	**nil**	**nil**	58.4	58.2
			L_{max}	75.3	75.6	75.3	**nil**	**nil**	72.6	71.4	70.8	**nil**	**nil**	71.8	74.2
		Night	L_{10}	59.9	61.6	61.1	**nil**	**nil**	60.1	62.1	61.3	**nil**	**nil**	61.3	61.0
			L_{90}	46.5	50.7	50.1	**nil**	**nil**	46.0	51.7	53.7	**nil**	**nil**	46.9	46.8
			L_{eq}	55.7	57.5	56.8	**nil**	**nil**	56.9	59.0	60.0	**nil**	**nil**	57.1	57.7
			L_{max}	68.4	68.3	70.5	**nil**	**nil**	73.0	70.3	82.6	**nil**	**nil**	67.8	73.1
34	Flat B, 9/F, Blk 1, Hong Tak Gardens, No. 11, Shek Pai Tau Rd,Tuen Mun, N.T.	Day	L_{10}	76.3	73.7	73.7	**nil**	**nil**	74.9	74.6	75.9	**nil**	**nil**	58.9	60.9
			L_{90}	56.9	47.7	60.0	**nil**	**nil**	53.3	55.3	60.7	**nil**	**nil**	56.7	57.6
			L_{eq}	72.0	68.8	70.2	**nil**	**nil**	70.8	69.9	71.1	**nil**	**nil**	57.9	59.3
			L_{max}	82.3	78.8	76.9	**nil**	**nil**	83.4	78.5	79.5	**nil**	**nil**	65.1	68.8
		Evening	L_{10}	74.3	74.4	74.3	**nil**	**nil**	73.9	70.8	74.9	**nil**	**nil**	55.7	55.0
			L_{90}	62.8	61.5	65.1	**nil**	**nil**	61.9	56.4	58.7	**nil**	**nil**	52.5	51.9

			L_{eq}	71.0	71.1	71.5	**nil**	**nil**	70.6	66.7	71.0	**nil**	**nil**	54.3	53.5
			L_{max}	83.3	79.7	77.4	**nil**	**nil**	81.7	73.6	79.7	**nil**	**nil**	63.0	59.5
		Night	L_{10}	73.6	73.4	71.5	**nil**	**nil**	73.6	73.3	73.6	**nil**	**nil**	54.7	55.1
			L_{90}	60.7	57.8	63.3	**nil**	**nil**	62.7	57.9	65.3	**nil**	**nil**	51.7	51.8
			L_{eq}	70.3	69.5	68.7	**nil**	**nil**	70.4	69.4	70.7	**nil**	**nil**	53.5	53.7
			L_{max}	81.8	78.7	74.3	**nil**	**nil**	83.0	77.6	76.1	**nil**	**nil**	63.3	71.4
35	12/F, Flat 9, Block E, Honour Building, 80M To Kwa Wan Road	Day	L_{10}	71.2	67.2	72.2	**nil**	**nil**	74.2	69.0	70.1	**nil**	**nil**	66.5	66.3
			L_{90}	57.6	57.5	54.3	**nil**	**nil**	60.0	56.0	55.7	**nil**	**nil**	60.5	60.3
			L_{eq}	67.6	63.9	67.5	**nil**	**nil**	70.6	65.4	66.8	**nil**	**nil**	64.7	64.3
			L_{max}	85.6	71.6	78.7	**nil**	**nil**	88.6	76.5	81.5	**nil**	**nil**	70.3	70.0
		Evening	L_{10}	72.3	71.0	70.0	**nil**	**nil**	73.6	70.4	67.8	**nil**	**nil**	66.3	66.4
			L_{90}	57.3	57.0	59.8	**nil**	**nil**	59.2	59.7	50.9	**nil**	**nil**	60.8	60.7
			L_{eq}	68.8	67.0	66.2	**nil**	**nil**	70.3	67.6	63.8	**nil**	**nil**	64.6	64.6
			L_{max}	85.8	77.2	76.1	**nil**	**nil**	82.4	82.7	81.5	**nil**	**nil**	71.5	70.8
		Night	L_{10}	74.6	69.7	72.6	**nil**	**nil**	73.8	69.3	68.3	**nil**	**nil**	63.9	63.8
			L_{90}	60.0	51.1	54.7	**nil**	**nil**	60.3	58.6	56.0	**nil**	**nil**	59.2	58.9
			L_{eq}	70.4	65.6	67.9	**nil**	**nil**	70.2	66.1	64.9	**nil**	**nil**	61.7	61.8
			L_{max}	87.9	79.0	79.0	**nil**	**nil**	85.2	69.4	75.4	**nil**	**nil**	77.5	69.2
36	19/F, Flat F, Marigold Mansions, 2 Shun Yung St., Hung Hom, Kowloon	Day	L_{10}	62.0	67.2	65.4	**nil**	**nil**	67.3	65.4	64.5	**nil**	**nil**	62.3	63.9
			L_{90}	52.8	58.1	56.1	**nil**	**nil**	55.9	55.9	56.2	**nil**	**nil**	51.2	59.0
			L_{eq}	58.9	64.1	62.3	**nil**	**nil**	63.6	62.3	61.6	**nil**	**nil**	60.5	61.8
			L_{max}	76.0	72.1	72.6	**nil**	**nil**	76.7	68.5	68.5	**nil**	**nil**	67.2	77.5
		Evening	L_{10}	66.3	68.3	66.4	**nil**	**nil**	68.6	66.4	66.7	**nil**	**nil**	63.9	62.9
			L_{90}	53.9	59.1	55.8	**nil**	**nil**	55.9	55.7	56.0	**nil**	**nil**	58.7	58.4
			L_{eq}	62.8	64.9	63.1	**nil**	**nil**	64.8	62.7	63.6	**nil**	**nil**	62.1	61.0
			L_{max}	76.7	74.6	74.3	**nil**	**nil**	78.1	72.8	74.1	**nil**	**nil**	81.5	71.6
		Night	L_{10}	66.9	64.7	66.4	**nil**	**nil**	66.9	65.7	65.9	**nil**	**nil**	61.9	62.5

			L_{90}	55.0	53.4	53.7	nil	nil	54.9	62.7	56.9	nil	nil	57.3	58.2
			L_{eq}	63.4	60.8	63.0	nil	nil	63.1	62.6	62.2	nil	nil	60.0	60.7
			L_{max}	80.4	68.9	72.4	nil	nil	74.6	73.7	71.2	nil	nil	70.7	74.4
37	11M, Ho King Bldg., 116 On Ning Rd., Yuen Long, N.T.	Day	L_{10}	66.2	64.3	62.9	nil	nil	66.4	64.5	67.4	nil	nil	61.6	61.6
			L_{90}	55.7	57.1	54.6	nil	nil	56.6	58.1	56.8	nil	nil	58.3	58.7
			L_{eq}	62.8	61.9	59.6	nil	nil	63.0	62.0	64.3	nil	nil	60.2	60.1
			L_{max}	77.2	71.3	66.6	nil	nil	78.4	59.2	74.6	nil	nil	75.6	66.5
		Evening	L_{10}	67.9	68.1	67.3	nil	nil	68.3	67.6	68.4	nil	nil	61.6	61.6
			L_{90}	56.6	57.1	60.4	nil	nil	57.4	57.0	61.0	nil	nil	58.4	58.5
			L_{eq}	64.9	65.5	64.9	nil	nil	64.8	64.5	65.4	nil	nil	60.1	60.2
			L_{max}	79.1	73.7	74.0	nil	nil	77.6	72.4	71.0	nil	nil	69.8	72.0
		Night	L_{10}	59.6	62.4	61.3	nil	nil	58.6	59.1	63.1	nil	nil	58.3	59.0
			L_{90}	47.8	57.2	51.4	nil	nil	46.2	47.1	53.9	nil	nil	55.0	54.6
			L_{eq}	55.6	60.1	58.5	nil	nil	54.6	55.7	59.5	nil	nil	56.7	57.1
			L_{max}	67.5	64.5	67.3	nil	nil	66.9	63.5	66.4	nil	nil	66.1	71.5
38	Rm H, 27/F, Blk4, Ravana Garden, Sha Tin N.T.	Day	L_{10}	67.8	73.4	76.1	nil	nil	70.0	72.4	66.2	nil	nil	77.0	77.8
			L_{90}	60.9	62.1	61.1	nil	nil	60.8	61.6	59.6	nil	nil	71.4	72.5
			L_{eq}	65.1	72.9	71.1	nil	nil	68.5	69.3	63.8	nil	nil	74.9	74.7
			L_{max}	74.7	90.8	84.8	nil	nil	87.6	86.1	77.5	nil	nil	92.0	89.7
		Evening	L_{10}	75.7	65.0	78.0	nil	nil	75.3	73.3	79.1	nil	nil	74.6	74.9
			L_{90}	62.4	59.7	62.2	nil	nil	60.9	61.4	63.6	nil	nil	66.8	66.1
			L_{eq}	75.1	65.9	73.5	nil	nil	72.8	70.1	75.6	nil	nil	71.9	70.8
			L_{max}	92.5	88.0	86.4	nil	nil	88.1	84.9	86.1	nil	nil	83.4	82.9
		Night	L_{10}	71.6	73.3	77.9	nil	nil	70.0	69.1	73.3	nil	nil	73.4	74.2
			L_{90}	62.2	61.4	60.3	nil	nil	60.9	60.3	61.6	nil	nil	65.3	64.1
			L_{eq}	70.9	70.1	72.9	nil	nil	66.8	67.1	69.3	nil	nil	70.6	69.8
			L_{max}	88.6	87.9	83.9	nil	nil	78.6	84.8	81.6	nil	nil	81.2	81.9

39	Flat A, 10/F, Wang Wah Mansion, Tai Wo Hau, Kowloon	Day	L_{10}	74.9	69.3	68.4	**nil**	**nil**	72.6	71.3	67.9	**nil**	**nil**	77.0	78.4
			L_{90}	61.3	59.3	59.1	**nil**	**nil**	61.2	59.1	59.5	**nil**	**nil**	69.5	69.1
			L_{eq}	72.2	66.4	65.4	**nil**	**nil**	72.1	67.6	64.7	**nil**	**nil**	74.3	77.9
			L_{max}	86.1	81.0	80.1	**nil**	**nil**	89.7	80.4	79.5	**nil**	**nil**	85.2	82.9
		Evening	L_{10}	76.5	71.7	76.0	**nil**	**nil**	70.6	76.9	74.7	**nil**	**nil**	74.3	75.8
			L_{90}	61.1	60.6	59.9	**nil**	**nil**	60.9	61.6	61.0	**nil**	**nil**	66.1	64.1
			L_{eq}	75.1	68.6	70.4	**nil**	**nil**	70.3	73.2	73.8	**nil**	**nil**	71.3	70.7
			L_{max}	92.6	82.1	90.1	**nil**	**nil**	91.7	90.8	88.6	**nil**	**nil**	84.4	81.9
		Night	L_{10}	72.3	76.0	74.3	**nil**	**nil**	76.0	77.1	74.0	**nil**	**nil**	73.9	75.1
			L_{90}	60.9	61.0	59.5	**nil**	**nil**	60.7	63.4	59.9	**nil**	**nil**	63.5	62.1
			L_{eq}	70.0	73.1	70.1	**nil**	**nil**	72.4	72.8	69.5	**nil**	**nil**	70.4	69.4
			L_{max}	91.7	89.7	80.9	**nil**	**nil**	87.6	82.9	81.4	**nil**	**nil**	82.5	80.9
40	14/F, Fung King Hse, Lai King Est, Lai King, N.T.	Day	L_{10}	74.7	69.3	**nil**	**nil**	**nil**	75.1	69.4	**nil**	**nil**	**nil**	78.1	79.0
			L_{90}	63.6	62.3	**nil**	**nil**	**nil**	59.8	62.5	**nil**	**nil**	**nil**	72.4	72.1
			L_{eq}	71.0	67.7	**nil**	**nil**	**nil**	70.7	67.5	**nil**	**nil**	**nil**	75.9	75.4
			L_{max}	81.9	84.8	**nil**	**nil**	**nil**	82.9	81.0	**nil**	**nil**	**nil**	83.1	82.4
		Evening	L_{10}	72.9	71.6	**nil**	**nil**	**nil**	74.0	71.9	**nil**	**nil**	**nil**	78.5	80.5
			L_{90}	65.5	62.1	**nil**	**nil**	**nil**	61.1	63.6	**nil**	**nil**	**nil**	76.1	77.5
			L_{eq}	69.3	69.7	**nil**	**nil**	**nil**	69.8	68.2	**nil**	**nil**	**nil**	77.4	78.8
			L_{max}	82.1	84.1	**nil**	**nil**	**nil**	82.7	82.1	**nil**	**nil**	**nil**	85.9	86.3
		Night	L_{10}	70.9	67.5	**nil**	**nil**	**nil**	73.4	69.5	**nil**	**nil**	**nil**	77.1	76.5
			L_{90}	61.2	61.3	**nil**	**nil**	**nil**	60.0	61.1	**nil**	**nil**	**nil**	66.5	64.7
			L_{eq}	68.1	65.3	**nil**	**nil**	**nil**	70.6	67.3	**nil**	**nil**	**nil**	72.4	72.8
			L_{max}	81.7	76.5	**nil**	**nil**	**nil**	87.7	84.3	**nil**	**nil**	**nil**	82.4	81.7
41	1/F, Tung Lam Hse, Hing Tung Est, Sai Wan Ho, Hong Kong	Day	L_{10}	76.3	68.5	**nil**	**nil**	**nil**	77.5	70.3	**nil**	**nil**	**nil**	68.0	68.4
			L_{90}	62.5	64.1	**nil**	**nil**	**nil**	63.6	60.7	**nil**	**nil**	**nil**	58.0	58.9
			L_{eq}	72.6	66.2	**nil**	**nil**	**nil**	73.7	66.4	**nil**	**nil**	**nil**	64.1	64.1

			L_{max}	84.0	80.4	nil	nil	nil	84.7	77.1	nil	nil	nil	74.6	75.6
		Evening	L_{10}	69.0	65.6	nil	nil	nil	68.4	67.1	nil	nil	nil	67.1	67.6
			L_{90}	62.2	61.9	nil	nil	nil	62.0	61.3	nil	nil	nil	57.7	57.4
			L_{eq}	67.4	65.4	nil	nil	nil	66.4	63.7	nil	nil	nil	63.7	63.4
			L_{max}	80.1	78.0	nil	nil	nil	79.7	78.7	nil	nil	nil	77.9	73.8
		Night	L_{10}	75.0	73.2	nil	nil	nil	71.6	69.2	nil	nil	nil	65.8	66.8
			L_{90}	62.6	62.0	nil	nil	nil	62.1	61.7	nil	nil	nil	57.4	56.9
			L_{eq}	70.6	69.6	nil	nil	nil	69.7	66.7	nil	nil	nil	63.4	62.6
			L_{max}	81.9	83.2	nil	nil	nil	81.0	80.1	nil	nil	nil	77.6	75.1
42	Flat 1933, Choi Ping Hse, Choi Yuen Est, Sheung Shui, N.T.	Day	L_{10}	68.7	68.2	69.5	nil	nil	67.7	64.9	67.9	nil	nil	69.3	69.2
			L_{90}	56.1	55.1	56.0	nil	nil	56.4	57.0	58.6	nil	nil	65.4	65.3
			L_{eq}	66.2	64.8	65.2	nil	nil	64.6	60.3	64.4	nil	nil	67.4	67.5
			L_{max}	83.4	73.3	75.5	nil	nil	76.1	69.3	71.7	nil	nil	77.7	77.7
		Evening	L_{10}	68.8	65.0	64.9	nil	nil	70.0	64.7	65.4	nil	nil	70.0	68.7
			L_{90}	57.3	58.2	56.8	nil	nil	57.9	58.1	57.2	nil	nil	65.9	65.2
			L_{eq}	65.6	62.4	62.0	nil	nil	66.9	62.4	62.8	nil	nil	68.0	67.2
			L_{max}	81.5	69.0	68.0	nil	nil	86.2	68.3	69.2	nil	nil	77.4	75.0
		Night	L_{10}	72.6	70.1	70.4	nil	nil	69.3	75.5	68.0	nil	nil	67.7	66.3
			L_{90}	61.6	60.1	62.2	nil	nil	60.5	61.8	56.6	nil	nil	62.7	62.2
			L_{eq}	69.1	65.0	67.3	nil	nil	66.5	71.4	65.3	nil	nil	63.8	64.6
			L_{max}	86.1	72.1	73.3	nil	nil	79.6	82.6	71.9	nil	nil	72.3	72.8
43	Rm 1204, Heung Yat Hse, Yat Tung Est, Tung Chung	Day	L_{10}	73.0	73.5	71.0	70.0	70.5	70.5	73.0	68.5	69.5	66.0	66.4	64.4
			L_{90}	66.0	67.5	58.5	65.5	63.5	63.5	60.5	60.5	62.5	59.0	62.2	60.8
			L_{eq}	67.0	68.2	64.4	65.2	64.2	64.2	66.1	62.8	63.5	61.1	64.6	62.9
			L_{max}	82.5	75.5	74.8	71.8	70.7	78.3	70.3	69.6	73.2	68.9	75.1	73.1
		Evening	L_{10}	70.0	72.5	69.0	67.0	67.5	70.5	71.5	68.5	68.4	68.0	63.8	63.4
			L_{90}	62.0	64.7	62.0	60.5	59.2	63.2	64.2	61.0	62.1	60.3	60.4	60.2

			L_{eq}	63.9	66.4	63.0	61.6	60.8	64.3	65.4	62.2	63.3	62.5	62.4	61.9
			L_{max}	79.6	75.6	70.6	69.8	69.7	74.7	74.2	71.1	73.4	73.2	78.4	73.0
		Night	L_{10}	71.0	71.0	69.0	68.5	64.0	76.5	77.5	80.0	78.5	78.5	61.0	62.6
			L_{90}	62.5	63.0	60.2	61.0	57.3	63.5	69.0	63.0	64.5	59.5	58.0	57.8
			L_{eq}	63.9	64.4	62.5	62.6	59.1	67.5	70.1	69.7	69.8	68.2	59.6	60.6
			L_{max}	80.8	74.0	69.8	75.0	69.8	83.5	82.2	83.9	84.6	82.9	71.2	73.9
44	Rm 3405, Yat Shing Hse, May Shing Court, Sha Tin, N.T.	Day	L_{10}	63.8	62.9	63.8	**nil**	**nil**	63.1	62.6	63.4	**nil**	**nil**	64.9	63.2
			L_{90}	52.0	55.4	53.7	**nil**	**nil**	51.5	56.1	53.1	**nil**	**nil**	59.0	58.6
			L_{eq}	61.4	60.5	61.4	**nil**	**nil**	61.3	60.1	61.0	**nil**	**nil**	62.5	61.1
			L_{max}	84.1	72.9	70.0	**nil**	**nil**	84.3	74.3	68.7	**nil**	**nil**	72.6	72.3
		Evening	L_{10}	64.3	60.2	60.1	**nil**	**nil**	59.5	60.5	59.9	**nil**	**nil**	61.8	62.2
			L_{90}	52.5	53.9	52.7	**nil**	**nil**	49.5	54.2	52.2	**nil**	**nil**	56.6	56.3
			L_{eq}	61.9	57.0	56.4	**nil**	**nil**	56.3	56.8	56.1	**nil**	**nil**	59.7	60.0
			L_{max}	85.0	68.2	67.3	**nil**	**nil**	70.3	67.9	67.6	**nil**	**nil**	72.3	70.0
		Night	L_{10}	62.2	60.1	58.9	**nil**	**nil**	61.3	60.4	59.3	**nil**	**nil**	62.9	61.2
			L_{90}	49.5	51.0	50.1	**nil**	**nil**	48.6	50.3	49.1	**nil**	**nil**	56.5	55.7
			L_{eq}	58.7	57.7	56.2	**nil**	**nil**	57.6	57.9	56.5	**nil**	**nil**	60.7	59.0
			L_{max}	74.6	68.6	67.6	**nil**	**nil**	73.0	67.2	68.7	**nil**	**nil**	73.0	68.6
45	1/F, Lei Sing Bldg, 52 Fei Fung St., Wong Tai Sin, Kowloon	Day	L_{10}	83.5	77.0	77.5	75.0	**nil**	82.0	82.5	86.0	85.5	**nil**	67.8	68.0
			L_{90}	71.0	68.0	67.5	68.2	**nil**	71.5	73.0	73.0	74.0	**nil**	66.2	66.4
			L_{eq}	74.9	69.0	69.4	69.5	**nil**	74.2	74.9	77.3	77.7	**nil**	67.0	67.2
			L_{max}	88.5	81.7	84.3	81.0	**nil**	91.8	85.9	88.5	87.1	**nil**	72.8	76.9
		Evening	L_{10}	75.0	76.0	76.5	76.5	**nil**	75.5	77.5	79.2	75.5	**nil**	67.2	65.5
			L_{90}	67.0	68.2	69.1	68.7	**nil**	66.5	70.5	70.7	68.5	**nil**	66.1	63.5
			L_{eq}	69.0	69.3	70.4	70.8	**nil**	68.7	71.7	72.2	69.3	**nil**	66.7	64.5
			L_{max}	81.3	78.9	77.8	81.0	**nil**	82.9	81.3	83.8	81.1	**nil**	74.9	74.1
		Night	L_{10}	74.0	73.0	74.0	72.5	**nil**	72.5	73.0	79.0	76.5	**nil**	63.2	63.4

			L_{90}	65.0	62.5	64.5	66.5	nil	63.5	61.0	70.0	72.0	nil	58.2	58.9
			L_{eq}	67.3	65.0	66.9	63.5	nil	66.5	66.9	71.8	72.7	nil	61.4	61.5
			L_{max}	82.2	80.2	77.5	73.6	nil	80.2	74.7	85.0	81.7	nil	69.9	70.9
46	Rm 2116, Yiu Shing Hse, Tin Yiu Estate, Tin Shui Wai	Day	L_{10}	64.2	61.5	59.1	nil	nil	62.6	59.1	64.0	nil	nil	61.1	61.6
			L_{90}	54.6	53.1	51.0	nil	nil	53.3	51.0	51.4	nil	nil	57.8	58.1
			L_{eq}	61.1	58.6	56.2	nil	nil	59.4	56.2	60.0	nil	nil	59.6	60.1
			L_{max}	82.8	64.0	64.8	nil	nil	70.3	64.8	68.7	nil	nil	70.0	76.3
		Evening	L_{10}	61.2	59.6	61.9	nil	nil	61.4	63.5	59.6	nil	nil	63.7	62.2
			L_{90}	51.2	50.4	51.6	nil	nil	51.9	51.4	51.0	nil	nil	59.7	59.1
			L_{eq}	58.5	55.5	58.8	nil	nil	58.2	59.5	57.1	nil	nil	61.8	61.4
			L_{max}	75.1	66.3	69.3	nil	nil	70.6	69.3	67.6	nil	nil	71.7	75.4
		Night	L_{10}	56.8	54.0	57.2	nil	nil	54.8	53.6	56.9	nil	nil	63.1	62.9
			L_{90}	49.3	50.1	49.7	nil	nil	48.5	49.7	50.2	nil	nil	60.4	60.7
			L_{eq}	54.9	52.1	54.7	nil	nil	52.2	51.5	54.2	nil	nil	61.4	61.0
			L_{max}	71.9	56.9	60.7	nil	nil	63.5	60.9	61.0	nil	nil	69.3	68.8
47	15/F, Cypress Hse, Kwong Yuen Estate, Sha Tin, N.T.	Day	L_{10}	66.4	62.2	62.7	62.1	nil	66.9	65.3	66.9	61.7	nil	67.3	68.7
			L_{90}	57.0	53.7	55.6	55.1	nil	58.2	54.9	56.0	56.1	nil	60.8	60.4
			L_{eq}	63.7	60.7	60.2	59.8	nil	64.2	62.6	63.8	59.5	nil	64.3	65.6
			L_{max}	82.9	74.5	69.2	72.6	nil	83.1	72.4	78.1	69.9	nil	70.2	78.0
		Evening	L_{10}	66.9	65.1	65.0	71.5	nil	68.7	66.9	66.2	65.3	nil	68.1	68.7
			L_{90}	58.8	59.4	56.3	61.0	nil	58.1	54.1	56.5	56.7	nil	60.5	61.4
			L_{eq}	64.1	62.7	62.3	68.1	nil	65.5	64.2	62.9	62.6	nil	65.2	65.6
			L_{max}	75.8	70.1	72.8	84.9	nil	83.9	73.1	73.2	76.1	nil	74.1	75.2
		Night	L_{10}	65.3	65.5	65.0	65.0	nil	66.3	65.2	66.1	65.6	nil	68.0	67.6
			L_{90}	55.9	56.1	56.5	56.0	nil	57.6	56.1	55.6	57.0	nil	60.5	60.4
			L_{eq}	63.2	63.8	62.9	63.0	nil	63.9	62.5	63.0	62.6	nil	66.1	65.9
			L_{max}	80.1	79.3	78.9	79.2	nil	81.1	80.2	76.5	77.0	nil	71.0	72.3

48	Rm B, 30/F, Blk 6, Tower 3, Belvedere Garden, Tsuen Wan, N.T.	Day	L_{10}	65.7	62.4	63.6	**nil**	**nil**	67.6	63.0	62.5	**nil**	**nil**	67.6	67.7
			L_{90}	57.8	57.8	57.6	**nil**	**nil**	58.4	59.0	58.2	**nil**	**nil**	63.2	63.5
			L_{eq}	62.8	60.3	61.1	**nil**	**nil**	64.3	60.8	60.5	**nil**	**nil**	65.6	65.7
			L_{max}	76.5	66.1	68.0	**nil**	**nil**	78.0	65.7	65.2	**nil**	**nil**	74.7	72.9
		Evening	L_{10}	64.6	64.6	63.9	**nil**	**nil**	63.9	61.8	63.2	**nil**	**nil**	66.9	67.2
			L_{90}	57.7	58.3	58.0	**nil**	**nil**	57.4	56.8	57.8	**nil**	**nil**	63.2	62.9
			L_{eq}	62.2	62.5	61.6	**nil**	**nil**	61.5	59.6	60.9	**nil**	**nil**	65.2	65.3
			L_{max}	76.9	72.2	76.4	**nil**	**nil**	77.0	70.2	69.1	**nil**	**nil**	71.2	74.0
		Night	L_{10}	66.2	65.7	63.9	**nil**	**nil**	66.4	66.4	63.6	**nil**	**nil**	65.6	65.4
			L_{90}	60.2	57.4	58.0	**nil**	**nil**	57.5	57.2	56.0	**nil**	**nil**	57.5	59.7
			L_{eq}	63.5	62.8	61.4	**nil**	**nil**	63.7	63.6	60.7	**nil**	**nil**	62.6	62.9
			L_{max}	75.0	74.7	67.3	**nil**	**nil**	76.8	71.4	68.3	**nil**	**nil**	74.8	71.7
49	33/F, Flat G, Saddle Ridge Garden, Block 8, Ma On Shan	Day	L_{10}	61.2	62.3	61.0	**nil**	**nil**	67.0	63.1	60.7	**nil**	**nil**	61.3	64.1
			L_{90}	55.7	55.2	54.1	**nil**	**nil**	56.7	55.1	53.7	**nil**	**nil**	53.6	57.9
			L_{eq}	59.0	60.1	58.1	**nil**	**nil**	63.6	60.4	57.5	**nil**	**nil**	57.6	61.1
			L_{max}	68.6	72.1	68.1	**nil**	**nil**	79.0	74.2	67.3	**nil**	**nil**	73.0	72.9
		Evening	L_{10}	61.3	60.1	60.3	**nil**	**nil**	59.3	61.0	60.7	**nil**	**nil**	66.2	61.7
			L_{90}	56.0	55.8	55.4	**nil**	**nil**	55.6	56.0	55.9	**nil**	**nil**	57.0	56.3
			L_{eq}	60.0	57.2	58.0	**nil**	**nil**	58.1	58.1	57.9	**nil**	**nil**	63.5	60.7
			L_{max}	77.0	81.2	72.3	**nil**	**nil**	74.6	75.6	76.2	**nil**	**nil**	86.0	88.5
		Night	L_{10}	65.5	64.8	61.2	**nil**	**nil**	67.9	63.9	61.7	**nil**	**nil**	60.1	60.5
			L_{90}	57.9	56.3	55.6	**nil**	**nil**	59.1	56.8	56.1	**nil**	**nil**	56.3	56.4
			L_{eq}	62.6	61.9	58.5	**nil**	**nil**	64.7	61.2	59.0	**nil**	**nil**	58.2	58.7
			L_{max}	83.0	72.3	69.2	**nil**	**nil**	81.4	75.6	68.9	**nil**	**nil**	68.1	70.6
50	Rm K, 8/F, Blk 14, Yuet Wu Villa, Tuen Mun N.T.	Day	L_{10}	71.6	65.1	67.1	**nil**	**nil**	69.3	65.8	67.8	**nil**	**nil**	62.7	62.4
			L_{90}	59.6	58.5	58.1	**nil**	**nil**	58.6	58.5	60.5	**nil**	**nil**	61.3	61.4
			L_{eq}	69.2	62.6	62.6	**nil**	**nil**	66.3	62.6	65.1	**nil**	**nil**	62.1	62.0

			L_{max}	91.4	67.7	67.7	**nil**	**nil**	84.3	70.8	72.0	**nil**	**nil**	72.3	70.5
		Evening	L_{10}	69.3	65.9	68.6	**nil**	**nil**	68.7	64.2	63.6	**nil**	**nil**	63.4	63.0
			L_{90}	59.0	57.9	59.5	**nil**	**nil**	58.7	60.1	58.9	**nil**	**nil**	61.7	61.4
			L_{eq}	65.9	62.8	65.1	**nil**	**nil**	65.4	62.3	61.7	**nil**	**nil**	62.7	62.4
			L_{max}	80.5	70.7	71.6	**nil**	**nil**	80.4	67.8	66.3	**nil**	**nil**	76.5	67.2
		Night	L_{10}	69.2	68.0	68.2	**nil**	**nil**	69.6	69.1	69.2	**nil**	**nil**	62.1	62.1
			L_{90}	57.2	58.7	54.1	**nil**	**nil**	56.9	58.9	57.6	**nil**	**nil**	60.1	60.0
			L_{eq}	65.7	64.8	64.0	**nil**	**nil**	66.0	65.7	65.8	**nil**	**nil**	61.2	61.0
			L_{max}	79.3	71.8	72.7	**nil**	**nil**	78.9	73.0	80.3	**nil**	**nil**	76.3	69.9
51	Rm 1702, Oi Wah Hse, Tsz Oi Court, Tsz Wan Shan	Day	L_{10}	67.6	65.3	66.8	**nil**	**nil**	67.7	65.8	66.2	**nil**	**nil**	56.2	56.3
			L_{90}	56.5	55.6	55.8	**nil**	**nil**	56.4	55.1	55.9	**nil**	**nil**	54.7	55.1
			L_{eq}	64.3	62.5	64.1	**nil**	**nil**	64.5	62.9	63.8	**nil**	**nil**	55.5	55.8
			L_{max}	78.5	76.0	78.1	**nil**	**nil**	76.3	74.9	75.4	**nil**	**nil**	64.4	73.1
		Evening	L_{10}	68.1	65.1	65.8	**nil**	**nil**	64.3	65.2	66.1	**nil**	**nil**	56.2	56.3
			L_{90}	55.6	55.1	55.0	**nil**	**nil**	55.2	54.9	55.1	**nil**	**nil**	54.7	55.1
			L_{eq}	64.6	62.3	63.0	**nil**	**nil**	61.1	62.6	63.5	**nil**	**nil**	55.5	55.8
			L_{max}	81.2	75.6	76.3	**nil**	**nil**	76.0	74.5	77.1	**nil**	**nil**	64.4	73.1
		Night	L_{10}	58.1	55.2	56.0	**nil**	**nil**	55.2	54.5	54.7	**nil**	**nil**	55.7	61.7
			L_{90}	48.5	46.5	47.9	**nil**	**nil**	46.6	46.2	47.6	**nil**	**nil**	54.6	55.1
			L_{eq}	55.7	52.6	53.1	**nil**	**nil**	52.2	52.1	52.2	**nil**	**nil**	55.2	57.7
			L_{max}	74.6	66.7	70.1	**nil**	**nil**	68.4	66.9	68.2	**nil**	**nil**	59.5	65.3
52	Rm 1006, 10/F, Yu Lai Hse, Yu Chui Court, Sha Tin, N.T.	Day	L_{10}	52.7	79.4	72.7	**nil**	**nil**	52.0	73.3	73.7	**nil**	**nil**	64.1	63.1
			L_{90}	49.5	66.0	66.3	**nil**	**nil**	49.3	63.0	65.1	**nil**	**nil**	60.7	60.5
			L_{eq}	51.2	79.2	70.5	**nil**	**nil**	50.8	69.9	62.0	**nil**	**nil**	62.6	61.9
			L_{max}	60.8	96.5	80.1	**nil**	**nil**	62.6	71.7	59.1	**nil**	**nil**	72.5	70.2
		Evening	L_{10}	76.6	73.2	74.5	**nil**	**nil**	74.7	73.2	74.9	**nil**	**nil**	65.0	64.1
			L_{90}	65.5	64.9	64.1	**nil**	**nil**	50.6	63.9	65.8	**nil**	**nil**	61.0	60.2

			L_{eq}	75.3	70.7	71.6	**nil**	**nil**	74.4	69.7	71.9	**nil**	**nil**	63.9	63.4
			L_{max}	**100.6**	82.0	81.9	**nil**	**nil**	99.5	77.1	84.5	**nil**	**nil**	85.0	83.4
		Night	L_{10}	56.3	47.7	50.0	**nil**	**nil**	56.1	47.6	48.1	**nil**	**nil**	61.1	59.6
			L_{90}	47.9	41.3	42.1	**nil**	**nil**	46.6	42.2	41.9	**nil**	**nil**	56.4	55.6
			L_{eq}	53.4	45.9	46.6	**nil**	**nil**	53.0	46.0	45.4	**nil**	**nil**	59.2	57.9
			L_{max}	73.3	59.1	58.8	**nil**	**nil**	76.3	60.2	58.1	**nil**	**nil**	71.1	65.1
53	Flat 6, 25/F, Blk D, Lok Nga Court, Ngau Tau Kok, Kowloon	Day	L_{10}	70.7	65.6	67.4	**nil**	**nil**	71.7	67.8	66.7	**nil**	**nil**	63.2	63.5
			L_{90}	58.0	58.2	55.5	**nil**	**nil**	58.6	58.6	55.5	**nil**	**nil**	58.9	58.0
			L_{eq}	66.5	62.8	63.4	**nil**	**nil**	68.9	64.4	63.7	**nil**	**nil**	61.3	61.0
			L_{max}	85.0	72.4	72.9	**nil**	**nil**	87.4	73.5	71.7	**nil**	**nil**	71.6	76.0
		Evening	L_{10}	68.5	67.1	66.1	**nil**	**nil**	69.8	67.7	66.3	**nil**	**nil**	63.0	63.4
			L_{90}	57.2	57.9	57.6	**nil**	**nil**	59.2	58.4	56.7	**nil**	**nil**	58.5	59.1
			L_{eq}	65.0	63.8	63.0	**nil**	**nil**	66.7	64.4	63.5	**nil**	**nil**	61.6	61.4
			L_{max}	78.3	75.4	68.9	**nil**	**nil**	80.1	77.2	69.2	**nil**	**nil**	81.0	68.0
		Night	L_{10}	59.1	59.4	61.0	**nil**	**nil**	59.7	60.7	60.1	**nil**	**nil**	62.4	61.4
			L_{90}	51.9	51.8	53.1	**nil**	**nil**	51.9	51.6	53.0	**nil**	**nil**	57.7	57.4
			L_{eq}	56.3	57.3	58.0	**nil**	**nil**	57.4	57.9	57.1	**nil**	**nil**	60.0	59.3
			L_{max}	65.7	65.1	63.9	**nil**	**nil**	75.0	67.0	63.5	**nil**	**nil**	67.3	71.8
54	Unit 4A, 1 Caperidge Drive, Discovery Bay	Day	L_{10}	56.1	56.8	57.2	**nil**	**nil**	59.9	56.2	56.9	**nil**	**nil**	62.4	63.7
			L_{90}	48.0	51.5	50.9	**nil**	**nil**	49.8	51.9	50.1	**nil**	**nil**	55.1	55.6
			L_{eq}	54.2	54.0	54.6	**nil**	**nil**	57.4	53.9	54.5	**nil**	**nil**	60.5	60.5
			L_{max}	77.6	75.7	76.1	**nil**	**nil**	78.4	75.9	78.6	**nil**	**nil**	76.9	73.9
		Evening	L_{10}	58.0	56.2	56.7	**nil**	**nil**	55.4	55.9	57.1	**nil**	**nil**	62.8	63.3
			L_{90}	48.4	51.8	49.9	**nil**	**nil**	49.4	51.9	49.8	**nil**	**nil**	56.2	56.7
			L_{eq}	56.7	53.4	53.9	**nil**	**nil**	53.8	53.0	54.3	**nil**	**nil**	60.5	60.5
			L_{max}	79.7	76.3	76.0	**nil**	**nil**	74.3	74.1	73.6	**nil**	**nil**	74.3	72.6
		Night	L_{10}	53.2	53.2	57.9	**nil**	**nil**	52.7	53.5	54.0	**nil**	**nil**	58.0	58.6

			L_{90}	48.8	51.0	57.2	**nil**	**nil**	48.1	49.2	49.5	**nil**	**nil**	54.7	50.7
			L_{eq}	51.6	52.4	55.1	**nil**	**nil**	50.8	51.8	51.9	**nil**	**nil**	57.4	57.7
			L_{max}	61.1	56.7	64.6	**nil**	**nil**	60.2	60.1	58.9	**nil**	**nil**	74.4	73.8
55	Rm H, 27/F, Blk4, Ravana Garden, Sha Tin N.T.	Day	L_{10}	69.1	68.5	69.2	**nil**	**nil**	68.9	68.0	68.8	**nil**	**nil**	56.7	56.6
			L_{90}	63.9	63.5	63.9	**nil**	**nil**	63.7	63.5	63.6	**nil**	**nil**	51.2	51.4
			L_{eq}	67.1	66.8	67.1	**nil**	**nil**	67.0	66.9	67.1	**nil**	**nil**	55.0	54.7
			L_{max}	74.0	72.5	73.0	**nil**	**nil**	76.0	72.2	73.0	**nil**	**nil**	74.2	67.7
		Evening	L_{10}	71.0	71.5	72.0	**nil**	**nil**	72.3	72.5	73.0	**nil**	**nil**	56.0	55.8
			L_{90}	65.0	65.2	65.0	**nil**	**nil**	65.1	65.2	65.7	**nil**	**nil**	50.8	50.8
			L_{eq}	68.2	68.6	69.0	**nil**	**nil**	68.5	68.9	69.1	**nil**	**nil**	55.0	55.1
			L_{max}	77.9	78.5	79.0	**nil**	**nil**	76.5	77.0	78.2	**nil**	**nil**	73.6	76.3
		Night	L_{10}	70.5	70.2	70.8	**nil**	**nil**	71.6	71.0	71.5	**nil**	**nil**	57.2	56.8
			L_{90}	63.0	62.9	63.5	**nil**	**nil**	63.1	63.6	64.0	**nil**	**nil**	51.3	51.3
			L_{eq}	67.5	67.9	67.2	**nil**	**nil**	69.1	69.0	70.1	**nil**	**nil**	54.8	54.6
			L_{max}	73.6	74.1	75.0	**nil**	**nil**	75.1	74.0	75.6	**nil**	**nil**	74.9	75.2
56	Flat H, 19/F, Blk 9, Tung Chung Crescent, Tung Chung	Day	L_{10}	64.9	58.3	57.3	58.1	**nil**	60.4	62.1	59.0	58.6	**nil**	65.8	65.6
			L_{90}	54.4	53.5	53.5	54.0	**nil**	54.2	53.7	53.7	52.8	**nil**	58.6	58.5
			L_{eq}	62.8	55.4	55.4	56.3	**nil**	57.9	58.5	56.4	58.6	**nil**	63.0	62.7
			L_{max}	83.2	70.0	62.1	62.2	**nil**	76.2	70.3	63.1	62.2	**nil**	71.9	74.0
		Evening	L_{10}	59.3	57.7	64.0	62.6	**nil**	62.2	59.4	59.7	58.6	**nil**	65.6	64.6
			L_{90}	53.8	53.1	54.8	54.3	**nil**	53.7	53.2	53.9	54.3	**nil**	58.0	56.9
			L_{eq}	57.6	56.1	59.7	59.5	**nil**	59.6	57.2	57.3	56.7	**nil**	62.5	61.3
			L_{max}	72.5	65.2	68.4	70.4	**nil**	78.5	67.4	64.1	63.0	**nil**	73.9	70.5
		Night	L_{10}	64.5	60.7	62.8	62.9	**nil**	64.5	62.7	62.7	64.5	**nil**	65.2	64.6
			L_{90}	55.7	54.4	54.5	54.2	**nil**	56.6	54.7	54.7	56.9	**nil**	57.6	55.1
			L_{eq}	61.2	58.2	60.0	59.8	**nil**	61.9	60.4	59.8	61.8	**nil**	62.8	61.9
			L_{max}	71.7	65.1	66.1	68.4	**nil**	76.5	71.0	66.6	68.3	**nil**	79.8	83.6

57	Flat D, 9/F, Blk9, Villa Esplanada, Tsing Yi	Day	L_{10}	70.8	58.1	60.8	nil	nil	65.5	60.5	59.2	nil	nil	64.3	61.4
			L_{90}	55.5	45.5	52.7	nil	nil	53.5	55.5	50.0	nil	nil	58.7	56.6
			L_{eq}	67.1	54.7	60.1	nil	nil	62.7	58.8	56.5	nil	nil	62.2	59.6
			L_{max}	87.4	62.5	73.3	nil	nil	81.5	63.3	63.0	nil	nil	77.0	69.1
		Evening	L_{10}	65.7	66.0	66.9	nil	nil	67.8	64.5	63.0	nil	nil	62.1	62.1
			L_{90}	53.5	59.5	60.4	nil	nil	54.1	58.6	58.0	nil	nil	57.2	56.7
			L_{eq}	62.8	64.7	66.0	nil	nil	66.0	62.3	61.2	nil	nil	60.4	60.8
			L_{max}	82.8	75.1	76.0	nil	nil	84.4	68.5	68.1	nil	nil	71.3	73.0
		Night	L_{10}	59.1	51.7	61.4	nil	nil	56.0	60.3	60.0	nil	nil	60.3	60.2
			L_{90}	48.4	48.4	49.2	nil	nil	46.8	48.6	49.3	nil	nil	54.9	54.8
			L_{eq}	55.4	50.0	57.4	nil	nil	53.0	55.8	56.5	nil	nil	58.7	58.6
			L_{max}	70.3	54.1	65.4	nil	nil	67.0	68.8	64.6	nil	nil	72.0	72.0
58	Rm 2005, Kam Wing Hse, Kam Hay Court, Ma On Shan	Day	L_{10}	63.9	68.0	65.1	nil	nil	65.0	67.6	65.8	nil	nil	66.8	66.9
			L_{90}	57.5	57.6	58.1	nil	nil	58.9	57.9	58.3	nil	nil	62.1	62.6
			L_{eq}	62.1	65.7	62.9	nil	nil	63.1	65.3	63.1	nil	nil	64.8	65.0
			L_{max}	78.7	81.6	74.2	nil	nil	80.4	78.6	76.3	nil	nil	71.2	73.2
		Evening	L_{10}	65.9	63.9	65.6	nil	nil	64.1	64.0	65.9	nil	nil	66.2	67.1
			L_{90}	58.5	56.2	58.4	nil	nil	57.9	57.0	58.1	nil	nil	61.8	63.2
			L_{eq}	63.9	62.0	63.0	nil	nil	61.8	61.6	63.2	nil	nil	64.4	65.6
			L_{max}	81.6	73.9	74.5	nil	nil	74.1	72.3	76.2	nil	nil	71.1	78.2
		Night	L_{10}	65.1	63.1	64.9	nil	nil	64.7	62.9	65.4	nil	nil	65.8	65.3
			L_{90}	57.4	55.9	57.2	nil	nil	56.9	56.2	57.6	nil	nil	61.9	60.9
			L_{eq}	62.3	61.0	62.3	nil	nil	61.9	60.6	62.1	nil	nil	64.1	63.5
			L_{max}	72.3	71.9	72.9	nil	nil	74.9	72.6	75.3	nil	nil	75.0	70.3
59	Flat F, 19/F, Blk2, Greenknoll Court, Kwai Chung, N.T.	Day	L_{10}	67.1	63.1	66.1	nil	nil	67.0	62.9	65.8	nil	nil	69.3	67.6
			L_{90}	54.0	52.4	53.8	nil	nil	56.7	53.0	52.7	nil	nil	61.0	60.5
			L_{eq}	63.7	59.8	62.6	nil	nil	64.1	60.8	62.2	nil	nil	66.6	65.1

			L_{max}	79.2	72.7	73.9	nil	nil	83.4	74.2	74.0	nil	nil	81.6	76.3
		Evening	L_{10}	73.3	61.8	62.9	nil	nil	74.4	68.8	69.1	nil	nil	61.1	60.2
			L_{90}	51.8	49.2	50.6	nil	nil	50.3	58.3	56.2	nil	nil	58.6	57.9
			L_{eq}	69.3	58.5	60.0	nil	nil	70.5	65.5	65.9	nil	nil	59.9	59.1
			L_{max}	82.8	72.0	74.9	nil	nil	86.6	76.0	76.8	nil	nil	67.4	66.1
		Night	L_{10}	76.2	63.9	69.3	nil	nil	75.1	64.3	69.1	nil	nil	59.5	59.2
			L_{90}	48.4	52.1	55.7	nil	nil	48.7	52.7	56.0	nil	nil	57.7	57.8
			L_{eq}	71.8	61.6	66.0	nil	nil	70.4	61.5	65.7	nil	nil	58.6	58.6
			L_{max}	86.8	76.3	78.7	nil	nil	86.5	75.2	77.9	nil	nil	63.1	69.2
60	Rm 2502, Pok Tat Hse, Pok Hong Estate, Shatin, N.T.	Day	L_{10}	67.4	69.8	64.7	64.9	nil	69.4	70.7	65.2	64.7	nil	71.0	70.8
			L_{90}	59.5	62.9	57.1	57.7	nil	60.0	62.2	56.7	57.1	nil	67.0	66.9
			L_{eq}	64.8	66.9	61.5	61.9	nil	67.1	67.4	61.9	61.8	nil	69.4	69.2
			L_{max}	83.9	82.3	80.2	78.5	nil	85.5	84.7	79.3	79.6	nil	75.7	76.2
		Evening	L_{10}	67.7	70.2	65.0	64.7	nil	70.0	71.1	65.7	65.2	nil	71.0	71.3
			L_{90}	58.9	63.3	57.2	56.9	nil	60.1	63.1	57.2	57.6	nil	66.4	67.5
			L_{eq}	65.1	66.9	61.8	62.0	nil	66.8	67.7	62.1	61.9	nil	69.0	69.8
			L_{max}	87.2	85.1	78.9	76.5	nil	81.8	85.9	80.2	81.7	nil	75.3	76.3
		Night	L_{10}	61.4	62.1	60.2	61.3	nil	61.8	62.3	60.9	61.8	nil	71.5	70.8
			L_{90}	56.3	56.8	55.9	56.2	nil	56.3	57.0	56.1	55.8	nil	66.7	66.0
			L_{eq}	59.9	59.5	58.1	58.6	nil	59.6	59.7	58.3	58.9	nil	69.5	68.9
			L_{max}	76.6	77.2	72.9	74.7	nil	78.8	75.9	74.8	78.6	nil	77.8	74.6
61	Rm 2907, Sheung Yat House, Upper Ngau Tau Kok Estate, Ngau Tau Kok	Day	L_{10}	74.1	65.6	65.3	nil	nil	70.2	66.0	63.1	nil	nil	63.2	63.2
			L_{90}	61.0	58.6	56.8	nil	nil	57.9	60.9	56.6	nil	nil	59.4	59.8
			L_{eq}	70.3	63.2	62.6	nil	nil	66.9	63.8	60.7	nil	nil	61.5	61.6
			L_{max}	85.3	69.2	68.2	nil	nil	81.8	68.5	66.4	nil	nil	71.3	68.6
		Evening	L_{10}	72.4	63.6	63.0	nil	nil	72.7	63.2	63.2	nil	nil	64.0	63.4
			L_{90}	59.2	57.6	53.6	nil	nil	59.6	57.6	58.6	nil	nil	59.7	59.6

			L_{eq}	68.6	61.5	58.7	nil	nil	69.3	60.6	61.0	nil	nil	62.1	61.6
			L_{max}	85.0	69.5	64.7	nil	nil	83.2	67.7	68.0	nil	nil	72.5	69.8
		Night	L_{10}	65.4	66.1	65.0	nil	nil	64.2	64.8	64.1	nil	nil	61.0	61.0
			L_{90}	56.2	56.0	56.5	nil	nil	52.2	58.2	57.6	nil	nil	58.2	57.8
			L_{eq}	63.7	63.3	64.9	nil	nil	61.7	62.2	61.5	nil	nil	59.6	59.5
			L_{max}	80.7	67.8	71.7	nil	nil	79.9	68.1	67.0	nil	nil	69.2	69.0
62	Flat 28B, Blk C, Clague Garden, Tsuen Wan, N.T.	Day	L_{10}	71.7	71.3	76.1	nil	nil	70.2	73.1		nil	nil	74.8	74.4
			L_{90}	62.4	62.6	63.1	nil	nil	61.8	62.2	62.5	nil	nil	71.2	71.3
			L_{eq}	68.3	68.3	73.0	nil	nil	67.1	69.1	71.5	nil	nil	73.3	73.0
			L_{max}	82.9	76.3	88.3	nil	nil	80.6	80.8	84.7	nil	nil	83.4	81.2
		Evening	L_{10}	69.1	72.6	70.8	nil	nil	73.7	70.4	70.4	nil	nil	77.7	74.5
			L_{90}	60.9	62.0	60.4	nil	nil	60.8	60.6	62.8	nil	nil	71.3	70.9
			L_{eq}	67.1	69.1	67.8	nil	nil	70.1	66.8	67.4	nil	nil	75.6	73.1
			L_{max}	87.2	81.2	79.4	nil	nil	88.1	76.7	78.1	nil	nil	92.7	79.7
		Night	L_{10}	78.5	68.0	65.8	nil	nil	71.3	66.1	69.5	nil	nil	72.8	72.4
			L_{90}	61.0	59.9	61.0	nil	nil	60.2	61.3	61.5	nil	nil	68.2	67.8
			L_{eq}	67.6	65.4	63.1	nil	nil	68.3	64.1	66.3	nil	nil	71.0	70.4
			L_{max}	88.4	76.1	72.2	nil	nil	87.7	69.1	71.6	nil	nil	80.4	79.7
63	12/F, Flat 9, Block E, Honour Building, 80M To Kwa Wan Road	Day	L_{10}	65.8	62.9	61.3	nil	nil	67.4	63.0	61.8	nil	nil	68.3	67.5
			L_{90}	56.3	56.0	53.6	nil	nil	58.5	55.8	53.2	nil	nil	61.8	62.1
			L_{eq}	62.4	60.1	58.8	nil	nil	64.5	60.4	59.1	nil	nil	65.2	64.6
			L_{max}	77.5	78.7	72.1	nil	nil	78.5	75.4	76.6	nil	nil	74.0	76.0
		Evening	L_{10}	68.6	64.7	61.3	nil	nil	68.7	65.1	60.9	nil	nil	65.8	65.2
			L_{90}	57.3	56.1	53.7	nil	nil	59.0	57.2	53.9	nil	nil	62.1	61.8
			L_{eq}	65.7	61.9	59.1	nil	nil	65.7	62.3	58.8	nil	nil	64.1	63.7
			L_{max}	83.5	77.5	72.2	nil	nil	82.6	80.1	70.9	nil	nil	74.0	74.1
		Night	L_{10}	61.8	57.4	60.8	nil	nil	62.9	59.1	60.1	nil	nil	65.0	62.8

			L_{90}	55.2	55.4	52.9	nil	nil	55.9	55.0	53.2	nil	nil	61.8	61.6
			L_{eq}	60.1	56.4	58.5	nil	nil	61.0	57.9	58.0	nil	nil	63.5	62.7
			L_{max}	82.0	59.5	73.5	nil	nil	76.2	67.3	70.1	nil	nil	75.7	72.3
64	Rm B, Flat 3, Blk 31, Meadowlands, Hung Shui Kiu, Yuen Long, N.T.	Day	L_{10}	66.0	67.1	63.9	nil	nil	68.8	66.4	65.1	nil	nil	56.6	54.0
			L_{90}	57.2	52.7	53.4	nil	nil	53.8	53.7	52.4	nil	nil	47.5	48.1
			L_{eq}	62.9	62.6	60.8	nil	nil	65.7	62.4	60.8	nil	nil	52.7	50.0
			L_{max}	85.2	72.3	69.6	nil	nil	87.0	72.2	72.0	nil	nil	68.3	68.9
		Evening	L_{10}	68.0	66.5	65.3	nil	nil	71.0	61.3	65.5	nil	nil	57.2	55.0
			L_{90}	52.3	52.8	53.3	nil	nil	53.6	52.4	53.5	nil	nil	54.2	49.6
			L_{eq}	65.6	62.8	62.4	nil	nil	67.6	57.6	61.5	nil	nil	55.6	53.3
			L_{max}	85.1	74.7	78.1	nil	nil	88.1	65.7	73.1	nil	nil	64.4	60.1
		Night	L_{10}	60.1	56.4	56.2	nil	nil	56.6	56.1	54.1	nil	nil	52.9	52.3
			L_{90}	51.2	53.6	51.6	nil	nil	51.1	53.1	51.3	nil	nil	51.7	51.0
			L_{eq}	58.8	55.0	54.9	nil	nil	55.0	54.3	52.4	nil	nil	52.6	51.7
			L_{max}	81.7	58.7	62.8	nil	nil	71.7	58.0	57.6	nil	nil	67.9	62.0
65	Flat F, 31/F, Metro Harbour View, Block 5, 8 Chiu Yu Road, Sham Shui Po	Day	L_{10}	72.0	69.1	70.4	nil	nil	69.7	70.9	69.7	nil	nil	72.9	72.0
			L_{90}	65.0	63.5	64.3	nil	nil	63.7	64.1	63.9	nil	nil	69.8	70.4
			L_{eq}	69.7	66.2	67.6	nil	nil	67.3	67.7	67.1	nil	nil	71.6	71.9
			L_{max}	84.1	79.2	80.1	nil	nil	79.2	79.7	80.0	nil	nil	78.8	79.9
		Evening	L_{10}	66.2	68.7	70.7	nil	nil	70.4	66.9	70.1	nil	nil	70.7	70.4
			L_{90}	52.6	55.9	55.2	nil	nil	54.7	54.1	55.0	nil	nil	66.3	66.3
			L_{eq}	62.9	65.1	67.6	nil	nil	66.4	63.9	67.4	nil	nil	68.9	68.7
			L_{max}	88.1	72.8	78.6	nil	nil	81.7	77.8	73.6	nil	nil	80.1	81.1
		Night	L_{10}	71.8	66.2	65.8	nil	nil	70.2	68.9	68.2	nil	nil	70.4	70.5
			L_{90}	55.4	60.2	57.3	nil	nil	54.2	58.7	57.8	nil	nil	66.5	65.0
			L_{eq}	67.7	64.1	62.7	nil	nil	66.2	65.8	65.7	nil	nil	68.9	68.5
			L_{max}	83.8	70.3	70.0	nil	nil	82.7	74.1	72.3	nil	nil	81.7	78.3

66	7G, Wu Tip Shan Village, Fanling	Day	L_{10}	72.7	63.6	65.1	nil	nil	68.3	60.7	59.1	nil	nil	59.4	62.5
			L_{90}	59.3	53.4	50.2	nil	nil	57.0	51.3	54.0	nil	nil	55.4	53.3
			L_{eq}	69.6	60.7	63.2	nil	nil	65.4	59.5	57.6	nil	nil	57.9	59.1
			L_{max}	83.1	68.2	71.6	nil	nil	83.1	66.1	60.8	nil	nil	70.7	66.2
		Evening	L_{10}	65.8	61.5	61.2	nil	nil	68.6	61.5	62.1	nil	nil	59.0	59.5
			L_{90}	55.4	55.4	55.6	nil	nil	56.7	58.7	58.8	nil	nil	55.9	56.0
			L_{eq}	63.6	59.0	58.8	nil	nil	65.1	59.4	60.0	nil	nil	57.6	58.1
			L_{max}	87.7	66.9	67.2	nil	nil	81.9	67.0	69.1	nil	nil	68.3	70.1
		Night	L_{10}	61.0	61.9	63.3	nil	nil	60.8	61.6	59.7	nil	nil	58.2	58.3
			L_{90}	53.0	55.7	56.0	nil	nil	53.0	55.9	51.0	nil	nil	54.5	54.4
			L_{eq}	58.5	58.6	59.0	nil	nil	57.8	58.8	56.6	nil	nil	56.6	56.8
			L_{max}	81.5	68.4	68.9	nil	nil	73.0	64.6	68.2	nil	nil	63.5	78.4
67	20/F, Blk 1, Noble Place, King Fung Path, Tuen Mun, N.T.	Day	L_{10}	68.7	60.9	62.1	60.3	nil	64.7	60.2	61.1	60.1	nil	67.9	68.1
			L_{90}	58.2	58.5	58.7	55.3	nil	57.4	57.9	57.9	55.1	nil	66.5	66.8
			L_{eq}	66.8	58.9	60.2	57.8	nil	62.6	58.4	59.3	57.6	nil	67.2	67.5
			L_{max}	95.1	74.1	73.9	68.9	nil	80.2	75.3	69.8	69.2	nil	76.7	70.8
		Evening	L_{10}	65.8	60.1	61.5	59.2	nil	64.4	61.0	61.7	58.8	nil	68.0	67.6
			L_{90}	57.0	58.0	57.2	54.5	nil	55.2	58.2	57.1	55.8	nil	66.6	66.3
			L_{eq}	61.0	59.1	60.4	56.9	nil	61.2	59.8	60.5	57.5	nil	67.3	67.0
			L_{max}	87.7	66.1	63.7	62.9	nil	79.9	68.2	69.1	66.5	nil	73.1	77.0
		Night	L_{10}	62.7	59.2	59.8	58.1	nil	62.3	60.0	59.9	58.0	nil	66.0	65.6
			L_{90}	56.3	55.4	56.1	54.0	nil	55.5	55.7	56.3	54.1	nil	64.4	64.1
			L_{eq}	59.6	57.8	58.0	55.9	nil	58.8	58.1	58.0	55.3	nil	65.3	64.9
			L_{max}	73.5	64.1	63.0	68.5	nil	76.3	68.2	62.9	66.5	nil	68.7	72.4
68	Flat C, 42/F, Blk 6, Liberte, West Kowloon	Day	L_{10}	70.2	71.6	73.3	nil	nil	71.4	69.2	68.3	nil	nil	69.6	68.7
			L_{90}	60.1	63.0	63.9	nil	nil	61.0	62.5	59.3	nil	nil	64.1	63.5
			L_{eq}	67.3	69.2	70.0	nil	nil	68.5	67.2	65.3	nil	nil	67.1	66.3

			L_{max}	80.0	83.3	80.7	nil	nil	84.6	78.3	70.3	nil	nil	79.0	72.9
		Evening	L_{10}	72.7	72.9	71.1	nil	nil	74.1	72.2	70.1	nil	nil	68.7	68.6
			L_{90}	61.8	67.7	64.8	nil	nil	62.8	66.8	65.0	nil	nil	63.6	62.9
			L_{eq}	69.5	70.2	68.7	nil	nil	71.5	69.8	68.0	nil	nil	66.5	66.0
			L_{max}	85.3	76.6	75.2	nil	nil	88.1	77.5	73.7	nil	nil	84.2	80.1
		Night	L_{10}	72.4	63.8	62.0	nil	nil	65.0	67.8	66.6	nil	nil	65.8	65.0
			L_{90}	57.0	55.7	57.0	nil	nil	56.5	58.4	58.6	nil	nil	60.3	60.0
			L_{eq}	68.6	60.6	60.0	nil	nil	62.7	66.4	64.3	nil	nil	63.2	63.1
			L_{max}	85.1	71.1	67.7	nil	nil	82.6	80.0	79.5	nil	nil	70.4	69.9
69	Rm 3302, Hing Fu House, Tin Fu Court, Tin Shui Wai	Day	L_{10}	70.8	66.8	64.2	nil	nil	68.6	67.0	64.4	nil	nil	62.7	62.5
			L_{90}	60.8	58.9	57.7	nil	nil	59.2	58.2	58.3	nil	nil	57.4	57.5
			L_{eq}	67.6	64.1	62.4	nil	nil	65.5	63.2	62.2	nil	nil	60.3	60.1
			L_{max}	82.7	73.3	73.1	nil	nil	78.9	71.4	66.6	nil	nil	68.3	68.0
		Evening	L_{10}	66.6	62.3	64.5	nil	nil	66.2	66.7	62.1	nil	nil	62.2	62.1
			L_{90}	55.3	54.1	55.1	nil	nil	56.3	52.8	52.4	nil	nil	57.0	57.2
			L_{eq}	63.5	57.8	61.0	nil	nil	63.2	60.7	58.8	nil	nil	59.8	59.8
			L_{max}	79.3	65.2	67.9	nil	nil	77.8	69.1	68.0	nil	nil	67.9	69.3
		Night	L_{10}	62.7	62.2	63.5	nil	nil	64.1	62.1	63.0	nil	nil	60.0	60.3
			L_{90}	49.8	51.3	52.8	nil	nil	50.6	52.0	52.9	nil	nil	55.1	55.1
			L_{eq}	58.7	57.9	59.3	nil	nil	60.3	58.5	59.5	nil	nil	57.6	58.3
			L_{max}	76.6	67.4	68.3	nil	nil	71.2	66.6	69.5	nil	nil	66.5	79.6
70	Rm 620, Cheung Yuen House, Chuk Yuen Estate, Wang Tai Sin	Day	L_{10}	66.7	65.9	68.3	nil	nil	64.9	66.3	68.8	nil	nil	65.6	64.8
			L_{90}	54.0	55.7	56.0	nil	nil	55.1	66.3	55.6	nil	nil	60.6	60.5
			L_{eq}	64.2	62.4	66.0	nil	nil	64.4	63.8	65.8	nil	nil	63.7	62.6
			L_{max}	84.1	86.3	83.2	nil	nil	88.1	82.9	86.2	nil	nil	76.7	75.6
		Evening	L_{10}	70.0	71.9	75.1	nil	nil	72.7	72.3	73.9	nil	nil	65.5	65.3
			L_{90}	57.0	56.4	57.3	nil	nil	56.5	72.3	56.9	nil	nil	60.3	60.2

			L_{eq}	67.5	69.1	72.0	**nil**	**nil**	69.2	69.1	60.6	**nil**	**nil**	63.7	63.4
			L_{max}	93.7	79.8	84.6	**nil**	**nil**	87.6	85.2	85.9	**nil**	**nil**	78.6	79.5
		Night	L_{10}	60.2	53.9	52.4	**nil**	**nil**	54.6	54.1	52.7	**nil**	**nil**	64.7	64.0
			L_{90}	52.4	51.0	50.1	**nil**	**nil**	51.4	51.1	50.8	**nil**	**nil**	61.3	61.2
			L_{eq}	57.5	52.6	51.3	**nil**	**nil**	53.2	52.7	51.2	**nil**	**nil**	63.6	62.7
			L_{max}	75.1	62.7	54.9	**nil**	**nil**	64.3	63.8	57.1	**nil**	**nil**	77.7	73.7
71	Rm 2602, Tower 7, Villa Verde, Laguna Verde Phase 2, Hung Hom	Day	L_{10}	63.1	62.9	65.1	**nil**	**nil**	65.6	66.6	65.0	**nil**	**nil**	63.7	64.5
			L_{90}	49.9	52.1	55.4	**nil**	**nil**	52.1	56.9	56.4	**nil**	**nil**	61.5	62.5
			L_{eq}	58.6	59.6	61.7	**nil**	**nil**	61.9	63.6	62.6	**nil**	**nil**	62.7	63.6
			L_{max}	78.5	68.2	68.9	**nil**	**nil**	72.2	78.4	70.9	**nil**	**nil**	72.2	82.2
		Evening	L_{10}	65.4	65.2	66.2	**nil**	**nil**	64.4	57.0	63.9	**nil**	**nil**	63.7	63.7
			L_{90}	49.9	48.3	51.1	**nil**	**nil**	53.8	54.0	55.5	**nil**	**nil**	62.1	61.9
			L_{eq}	61.2	59.9	62.7	**nil**	**nil**	61.0	55.9	60.9	**nil**	**nil**	63.1	62.8
			L_{max}	78.2	68.8	71.4	**nil**	**nil**	71.2	60.2	68.7	**nil**	**nil**	80.7	68.7
		Night	L_{10}	62.8	51.6	53.6	**nil**	**nil**	58.8	49.0	48.8	**nil**	**nil**	58.1	59.5
			L_{90}	45.9	45.9	45.7	**nil**	**nil**	46.3	45.9	45.6	**nil**	**nil**	56.4	57.5
			L_{eq}	60.2	50.1	52.2	**nil**	**nil**	54.8	46.3	46.2	**nil**	**nil**	57.2	58.6
			L_{max}	87.6	58.6	74.3	**nil**	**nil**	74.3	51.9	61.4	**nil**	**nil**	69.0	70.6
72	Flat G, 20/F, Tower 3, Rambler Crest, Tsing Yi	Day	L_{10}	69.1	65.0	65.9	**nil**	**nil**	70.3	65.6	67.6	**nil**	**nil**	64.2	64.4
			L_{90}	55.3	58.4	58.4	**nil**	**nil**	54.2	58.0	51.0	**nil**	**nil**	58.8	58.1
			L_{eq}	65.1	63.0	63.5	**nil**	**nil**	66.1	62.7	64.2	**nil**	**nil**	62.2	62.0
			L_{max}	83.2	68.6	71.3	**nil**	**nil**	81.8	70.8	74.2	**nil**	**nil**	79.4	77.3
		Evening	L_{10}	73.2	65.5	65.9	**nil**	**nil**	74.7	66.3	66.7	**nil**	**nil**	64.9	64.2
			L_{90}	56.3	60.1	55.2	**nil**	**nil**	55.8	60.8	58.8	**nil**	**nil**	58.4	58.5
			L_{eq}	69.1	63.6	63.7	**nil**	**nil**	66.4	64.4	64.4	**nil**	**nil**	62.5	61.9
			L_{max}	83.2	72.7	69.0	**nil**	**nil**	86.2	72.8	71.7	**nil**	**nil**	78.2	71.8
		Night	L_{10}	73.2	66.5	65.4	**nil**	**nil**	74.4	67.2	65.9	**nil**	**nil**	64.8	64.4

			L_{90}	55.6	53.7	55.4	nil	nil	54.6	48.8	56.1	nil	nil	57.4	57.0
			L_{eq}	59.1	64.1	62.9	nil	nil	68.8	63.7	62.9	nil	nil	62.1	61.9
			L_{max}	87.2	71.5	70.6	nil	nil	81.9	70.7	68.1	nil	nil	73.3	70.4
73	12/F, Flat A, Mei Foo Sun Chuen, 22 Broadway, Mei Foo	Day	L_{10}	64.1	67.6	63.5	nil	nil	78.0	68.0	64.0	nil	nil	66.0	65.2
			L_{90}	54.1	53.9	52.9	nil	nil	52.9	53.7	53.1	nil	nil	52.7	62.0
			L_{eq}	62.1	64.4	60.8	nil	nil	69.2	64.8	61.2	nil	nil	64.3	63.7
			L_{max}	82.2	83.3	82.6	nil	nil	**103.9**	81.9	78.9	nil	nil	74.1	74.5
		Evening	L_{10}	65.8	66.7	64.9	nil	nil	67.1	66.9	66.0	nil	nil	64.6	65.3
			L_{90}	53.0	53.8	52.1	nil	nil	49.5	52.6	52.7	nil	nil	61.4	62.3
			L_{eq}	62.9	63.6	62.2	nil	nil	63.8	64.0	63.5	nil	nil	63.1	63.9
			L_{max}	86.3	78.4	77.2	nil	nil	84.6	82.1	80.6	nil	nil	69.1	70.1
		Night	L_{10}	58.4	60.2	55.4	nil	nil	58.1	60.4	55.7	nil	nil	64.4	64.1
			L_{90}	54.6	56.6	54.0	nil	nil	55.0	56.2	54.2	nil	nil	62.3	62.0
			L_{eq}	56.7	58.4	54.7	nil	nil	56.5	59.0	54.8	nil	nil	63.5	63.3
			L_{max}	75.8	63.0	56.3	nil	nil	68.4	66.9	58.9	nil	nil	69.4	69.9
74	5/F, Block E, Kennedy Mansion, 165 Belcher's Street	Day	L_{10}	71.3	70.8	70.6	nil	nil	69.4	71.1	70.2	nil	nil	78.2	77.0
			L_{90}	61.4	60.7	60.1	nil	nil	59.9	60.4	59.8	nil	nil	66.3	65.8
			L_{eq}	69.0	68.4	68.2	nil	nil	66.3	69.0	68.0	nil	nil	74.2	72.8
			L_{max}	90.5	78.9	77.4	nil	nil	80.6	79.6	79.0	nil	nil	85.6	84.8
		Evening	L_{10}	70.7	71.0	70.6	nil	nil	69.4	71.4	70.5	nil	nil	77.1	78.0
			L_{90}	59.7	59.1	59.8	nil	nil	59.3	59.5	60.5	nil	nil	65.5	66.3
			L_{eq}	67.4	68.1	67.8	nil	nil	66.2	68.3	68.2	nil	nil	73.1	73.9
			L_{max}	84.8	79.0	76.2	nil	nil	78.9	77.8	79.7	nil	nil	86.6	85.3
		Night	L_{10}	62.6	63.7	62.5	nil	nil	61.9	63.2	62.9	nil	nil	76.3	76.0
			L_{90}	52.9	52.2	55.3	nil	nil	53.6	52.9	54.5	nil	nil	64.5	64.8
			L_{eq}	59.5	60.3	59.0	nil	nil	58.8	59.8	60.1	nil	nil	72.5	72.5
			L_{max}	75.3	72.6	73.3	nil	nil	75.0	76.1	73.6	nil	nil	86.5	88.8

75	Flat C, 42/F, Blk 6, Liberte, West Kowloon	Day	L_{10}	67.3	66.1	65.2	**nil**	**nil**	64.3	65.4	62.0	**nil**	**nil**	71.9	71.9
			L_{90}	55.7	54.1	55.1	**nil**	**nil**	55.3	56.0	53.2	**nil**	**nil**	70.1	69.7
			L_{eq}	63.7	62.5	61.4	**nil**	**nil**	61.3	63.2	59.5	**nil**	**nil**	71.7	70.9
			L_{max}	77.4	73.0	70.2	**nil**	**nil**	73.8	71.6	65.7	**nil**	**nil**	77.5	76.3
		Evening	L_{10}	62.9	57.9	61.0	**nil**	**nil**	64.4	63.0	66.0	**nil**	**nil**	71.4	71.4
			L_{90}	56.0	54.9	55.4	**nil**	**nil**	55.6	55.9	55.7	**nil**	**nil**	69.8	69.6
			L_{eq}	60.4	56.7	58.7	**nil**	**nil**	62.2	60.4	63.0	**nil**	**nil**	70.6	70.7
			L_{max}	74.1	62.1	69.9	**nil**	**nil**	80.9	67.2	72.1	**nil**	**nil**	78.0	78.8
		Night	L_{10}	56.7	55.3	58.3	**nil**	**nil**	58.1	58.7	56.7	**nil**	**nil**	69.1	68.8
			L_{90}	53.1	33.1	52.9	**nil**	**nil**	52.9	53.4	53.5	**nil**	**nil**	65.9	65.8
			L_{eq}	54.9	54.3	56.1	**nil**	**nil**	56.0	56.3	55.0	**nil**	**nil**	67.7	67.5
			L_{max}	68.3	59.8	63.1	**nil**	**nil**	70.0	63.1	60.1	**nil**	**nil**	76.9	75.1
76	G/F, 94 Tai Peng Village, Yung Shui Wan, Lamma Island	Day	L_{10}	57.8	58.6	57.6	**nil**	**nil**	56.6	56.9	59.0	**nil**	**nil**	54.6	55.3
			L_{90}	51.0	52.8	53.3	**nil**	**nil**	48.5	51.1	53.0	**nil**	**nil**	47.6	48.6
			L_{eq}	56.2	56.9	56.1	**nil**	**nil**	54.0	53.9	57.2	**nil**	**nil**	53.8	52.1
			L_{max}	74.2	72.8	70.6	**nil**	**nil**	65.1	68.7	75.4	**nil**	**nil**	74.3	68.4
		Evening	L_{10}	57.6	61.1	59.0	**nil**	**nil**	56.8	59.2	58.1	**nil**	**nil**	54.6	54.0
			L_{90}	49.2	52.1	50.6	**nil**	**nil**	48.8	51.2	50.9	**nil**	**nil**	49.4	49.5
			L_{eq}	55.2	58.2	56.0	**nil**	**nil**	54.1	56.7	55.6	**nil**	**nil**	52.6	52.7
			L_{max}	68.0	68.1	69.4	**nil**	**nil**	68.1	67.2	66.1	**nil**	**nil**	74.9	68.6
		Night	L_{10}	53.8	53.6	51.4	**nil**	**nil**	56.9	54.5	51.9	**nil**	**nil**	51.9	51.0
			L_{90}	45.1	44.2	41.4	**nil**	**nil**	44.7	44.8	45.0	**nil**	**nil**	47.8	48.4
			L_{eq}	50.5	50.4	49.4	**nil**	**nil**	53.6	51.6	49.2	**nil**	**nil**	50.1	49.8
			L_{max}	70.1	60.7	66.5	**nil**	**nil**	67.6	67.2	63.0	**nil**	**nil**	62.2	62.0
77	Rm 931, Fu Kwai House, Tai Wo Hau Estate,Tai Wo Hau	Day	L_{10}	70.5	68.5	70.8	**nil**	**nil**	71.6	69.6	70.0	**nil**	**nil**	64.2	62.4
			L_{90}	60.7	62.0	62.1	**nil**	**nil**	61.8	61.8	62.3	**nil**	**nil**	57.5	55.3
			L_{eq}	67.4	65.8	67.6	**nil**	**nil**	68.7	66.8	67.2	**nil**	**nil**	62.4	60.2

			L_{max}	82.0	72.8	76.6	nil	nil	82.1	77.9	75.8	nil	nil	80.1	78.0
		Evening	L_{10}	70.6	69.2	69.2	nil	nil	71.4	70.1	69.8	nil	nil	62.6	62.4
			L_{90}	61.0	61.8	62.0	nil	nil	61.0	61.6	66.1	nil	nil	56.8	56.4
			L_{eq}	67.9	66.9	67.2	nil	nil	68.3	67.6	67.1	nil	nil	60.4	60.4
			L_{max}	88.6	82.9	81.3	nil	nil	84.8	84.2	83.3	nil	nil	73.2	80.6
		Night	L_{10}	58.5	58.1	56.9	nil	nil	57.0	57.9	57.5	nil	nil	61.9	61.5
			L_{90}	52.3	52.0	52.4	nil	nil	51.9	51.8	51.7	nil	nil	54.3	54.2
			L_{eq}	57.3	55.8	54.2	nil	nil	56.3	54.9	54.6	nil	nil	58.8	58.7
			L_{max}	79.0	76.8	72.9	nil	nil	78.8	74.8	75.1	nil	nil	71.9	72.6
78	Flat G, 53/F, Tower 2, The Victoria Towers, 188 Canton Road, Sham Shui Po	Day	L_{10}	61.5	56.4	57.9	56.8	nil	63.8	59.8	61.3	61.8	nil	66.2	65.9
			L_{90}	47.4	47.2	47.4	47.3	nil	47.7	47.4	47.9	48.2	nil	64.8	64.5
			L_{eq}	59.3	53.1	55.2	53.8	nil	59.8	55.6	59.0	59.4	nil	65.5	65.2
			L_{max}	80.8	63.0	69.4	66.3	nil	77.2	67.5	76.6	73.1	nil	69.6	68.9
		Evening	L_{10}	61.1	55.2	55.9	54.9	nil	60.0	58.0	62.4	58.8	nil	67.0	66.2
			L_{90}	47.6	47.2	47.9	47.5	nil	47.6	48.3	47.4	47.5	nil	64.4	64.3
			L_{eq}	57.5	51.9	52.6	51.8	nil	57.8	54.4	58.6	54.0	nil	65.7	65.2
			L_{max}	72.7	63.9	62.0	61.5	nil	77.7	65.2	70.8	66.2	nil	70.0	67.8
		Night	L_{10}	68.6	71.6	70.7	68.8	nil	70.1	64.3	63.5	68.0	nil	64.8	65.1
			L_{90}	48.2	56.9	62.3	61.3	nil	51.5	54.0	53.3	46.7	nil	63.4	63.3
			L_{eq}	64.0	67.6	67.6	66.6	nil	66.3	61.6	60.5	63.8	nil	64.2	64.2
			L_{max}	80.5	75.0	74.8	73.2	nil	82.3	71.9	67.4	72.3	nil	72.4	68.1
79	Rm C1, 9/F, King Yin Mansion, 9 Un Chau Street, Sham Shui Po	Day	L_{10}	62.9	60.7	60.1	63.2	nil	62.3	61.9	59.7	65.2	nil	76.9	76.8
			L_{90}	54.0	53.9	53.7	56.9	nil	55.2	53.6	54.0	57.2	nil	68.7	68.2
			L_{eq}	60.0	58.1	57.9	60.8	nil	60.2	59.2	57.0	62.4	nil	74.0	73.8
			L_{max}	81.4	65.0	61.1	70.2	nil	79.1	64.2	63.0	67.7	nil	88.5	86.5
		Evening	L_{10}	64.7	61.4	58.3	65.0	nil	64.6	62.0	59.1	66.7	nil	75.4	75.0
			L_{90}	54.7	55.0	53.8	57.0	nil	56.7	55.7	54.0	58.3	nil	67.9	66.0

			L_{eq}	61.9	59.1	56.6	62.2	**nil**	61.9	59.3	57.0	64.2	**nil**	72.4	71.5
			L_{max}	82.9	64.5	61.3	68.4	**nil**	78.8	67.2	64.0	72.1	**nil**	82.8	79.9
		Night	L_{10}	59.1	58.9	61.0	62.6	**nil**	60.5	59.3	60.7	62.9	**nil**	74.9	73.3
			L_{90}	51.5	51.8	50.8	52.3	**nil**	52.3	52.5	50.9	53.1	**nil**	65.5	63.8
			L_{eq}	56.6	55.9	57.5	59.5	**nil**	58.0	56.6	57.9	60.1	**nil**	72.6	70.1
			L_{max}	74.9	63.0	65.3	66.8	**nil**	80.3	64.9	65.0	65.5	**nil**	87.7	84.3
80	226 Tan Kwai Tsuen, Ping Shan, Yuen Long, N.T.	Day	L_{10}	65.7	63.6	66.5	**nil**	**nil**	69.4	63.0	66.5	**nil**	**nil**	63.3	62.3
			L_{90}	52.8	51.6	56.5	**nil**	**nil**	55.9	56.9	56.3	**nil**	**nil**	57.0	56.5
			L_{eq}	62.5	60.0	63.1	**nil**	**nil**	56.6	59.9	63.1	**nil**	**nil**	60.1	60.0
			L_{max}	77.2	74.5	70.7	**nil**	**nil**	80.2	67.5	70.9	**nil**	**nil**	66.4	65.6
		Evening	L_{10}	68.1	65.7	66.0	**nil**	**nil**	71.5	72.0	67.3	**nil**	**nil**	62.8	62.7
			L_{90}	56.8	53.5	58.5	**nil**	**nil**	60.7	61.6	60.7	**nil**	**nil**	52.2	52.0
			L_{eq}	64.9	62.8	63.5	**nil**	**nil**	68.0	68.5	64.9	**nil**	**nil**	60.7	60.3
			L_{max}	74.4	73.1	69.8	**nil**	**nil**	80.6	78.7	71.0	**nil**	**nil**	67.7	68.1
		Night	L_{10}	68.3	64.0	63.9	**nil**	**nil**	67.3	64.4	64.2	**nil**	**nil**	60.9	60.7
			L_{90}	54.4	56.9	55.9	**nil**	**nil**	52.3	54.8	52.8	**nil**	**nil**	51.8	51.7
			L_{eq}	64.6	61.5	60.8	**nil**	**nil**	63.5	60.8	60.5	**nil**	**nil**	57.6	57.4
			L_{max}	74.6	71.2	69.6	**nil**	**nil**	78.9	68.6	69.6	**nil**	**nil**	65.6	65.1
81	Pak Kong, Sai Kung, Kowloon	Day	L_{10}	71.2	66.1	64.0	**nil**	**nil**	69.8	65.9	67.0	**nil**	**nil**	66.3	64.9
			L_{90}	60.4	60.7	59.7	**nil**	**nil**	60.4	59.9	60.4	**nil**	**nil**	57.2	55.7
			L_{eq}	68.2	63.8	61.8	**nil**	**nil**	66.5	63.3	64.1	**nil**	**nil**	64.3	62.9
			L_{max}	85.3	70.7	69.4	**nil**	**nil**	81.2	71.8	71.4	**nil**	**nil**	86.1	84.2
		Evening	L_{10}	71.8	67.7	68.6	**nil**	**nil**	67.7	67.9	65.4	**nil**	**nil**	65.9	63.7
			L_{90}	60.8	60.5	60.1	**nil**	**nil**	60.0	59.8	59.6	**nil**	**nil**	56.9	56.7
			L_{eq}	70.7	65.0	65.2	**nil**	**nil**	65.2	64.8	63.4	**nil**	**nil**	63.7	61.5
			L_{max}	88.2	75.1	73.7	**nil**	**nil**	86.7	72.3	71.0	**nil**	**nil**	85.8	77.5
		Night	L_{10}	68.9	67.3	68.2	**nil**	**nil**	69.6	70.9	70.1	**nil**	**nil**	56.8	58.0

			L_{90}	57.9	58.0	60.0	nil	nil	58.1	61.9	59.5	nil	nil	52.6	53.1
			L_{eq}	65.5	64.3	65.2	nil	nil	66.4	66.8	66.7	nil	nil	55.1	57.0
			L_{max}	80.6	73.7	73.4	nil	nil	83.4	75.2	78.0	nil	nil	69.5	77.2
82	Flat F, 4/F, Tower 3, Parc Oasis, Kowloon Tong	Day	L_{10}	68.0	72.9	71.4	nil	nil	69.6	72.8	69.9	nil	nil	68.4	69.2
			L_{90}	58.8	63.4	63.1	nil	nil	61.3	64.9	61.1	nil	nil	57.9	59.4
			L_{eq}	65.0	69.4	68.3	nil	nil	66.8	70.0	66.2	nil	nil	65.1	66.0
			L_{max}	79.9	77.9	77.6	nil	nil	81.9	79.4	74.7	nil	nil	78.6	77.8
		Evening	L_{10}	71.1	68.2	67.9	nil	nil	69.6	68.9	68.5	nil	nil	69.3	68.8
			L_{90}	61.9	61.2	61.3	nil	nil	61.3	61.7	61.4	nil	nil	59.2	57.4
			L_{eq}	68.1	65.7	65.4	nil	nil	66.7	66.2	66.0	nil	nil	66.2	65.7
			L_{max}	80.6	72.8	71.5	nil	nil	79.9	73.3	73.1	nil	nil	79.1	80.4
		Night	L_{10}	65.6	64.8	65.1	nil	nil	67.6	65.0	64.3	nil	nil	66.8	67.5
			L_{90}	55.6	58.8	58.4	nil	nil	56.0	58.1	58.2	nil	nil	57.7	57.3
			L_{eq}	62.7	62.4	62.4	nil	nil	63.4	62.7	62.5	nil	nil	63.3	63.8
			L_{max}	79.3	69.5	70.9	nil	nil	76.2	73.1	71.1	nil	nil	75.2	76.6
83	103 Sham Chung Tsuen, Yuen Long, N.T.	Day	L_{10}	72.9	69.5	70.9	nil	nil	69.4	67.9	68.4	nil	nil	64.8	65.2
			L_{90}	62.3	62.4	62.2	nil	nil	59.9	62.0	60.5	nil	nil	60.8	60.8
			L_{eq}	69.5	66.7	67.3	nil	nil	66.7	65.5	66.2	nil	nil	63.1	63.2
			L_{max}	82.7	73.0	77.0	nil	nil	82.6	70.7	74.2	nil	nil	70.6	70.9
		Evening	L_{10}	69.5	68.4	67.5	nil	nil	68.3	69.1	68.8	nil	nil	65.7	65.8
			L_{90}	60.2	59.8	61.2	nil	nil	60.4	60.2	57.8	nil	nil	60.7	61.1
			L_{eq}	66.5	65.8	65.6	nil	nil	65.8	66.0	65.6	nil	nil	63.8	64.0
			L_{max}	79.5	72.3	70.8	nil	nil	77.7	73.1	74.4	nil	nil	70.8	72.2
		Night	L_{10}	64.1	63.2	60.8	nil	nil	63.4	62.7	63.3	nil	nil	65.8	65.5
			L_{90}	54.0	56.0	54.0	nil	nil	53.3	55.2	56.0	nil	nil	61.6	61.8
			L_{eq}	62.2	61.0	59.1	nil	nil	61.7	60.2	60.7	nil	nil	64.0	63.8
			L_{max}	80.1	69.3	65.6	nil	nil	78.6	65.1	66.5	nil	nil	72.1	69.8

84	55A Fui Sha Wai, Yuen Long, N.T.	Day	L_{10}	64.2	63.5	62.2	nil	nil	63.9	63.2	63.3	nil	nil	66.9	66.5
			L_{90}	56.6	56.6	52.0	nil	nil	56.0	53.3	57.2	nil	nil	59.4	57.9
			L_{eq}	61.7	60.6	59.0	nil	nil	61.2	59.2	60.9	nil	nil	64.0	63.7
			L_{max}	77.2	67.2	68.1	nil	nil	77.3	68.0	68.3	nil	nil	72.2	74.3
		Evening	L_{10}	65.2	62.7	65.1	nil	nil	67.1	62.6	64.6	nil	nil	67.7	67.1
			L_{90}	57.8	56.2	57.5	nil	nil	57.8	56.3	59.5	nil	nil	59.8	59.3
			L_{eq}	63.1	60.3	62.2	nil	nil	64.1	60.1	63.5	nil	nil	64.4	64.4
			L_{max}	75.8	69.2	72.8	nil	nil	78.4	67.7	75.1	nil	nil	75.4	72.1
		Night	L_{10}	61.4	61.2	65.6	nil	nil	61.2	63.8	64.8	nil	nil	65.2	64.0
			L_{90}	51.2	51.3	55.3	nil	nil	51.5	56.0	55.1	nil	nil	56.8	56.1
			L_{eq}	58.4	57.6	62.4	nil	nil	57.8	61.6	62.0	nil	nil	62.6	61.2
			L_{max}	75.8	69.1	70.5	nil	nil	76.3	70.2	72.6	nil	nil	78.0	70.1
85	3 Man Yuen Tsuen, Yuen Long, N.T.	Day	L_{10}	52.6	53.0	54.1	nil	nil	53.4	53.7	53.5	nil	nil	61.9	64.1
			L_{90}	47.1	46.9	47.3	nil	nil	47.7	47.9	48.1	nil	nil	52.2	52.4
			L_{eq}	50.4	50.1	50.6	nil	nil	51.6	50.9	51.0	nil	nil	60.1	63.4
			L_{max}	61.8	62.4	67.4	nil	nil	71.7	71.9	73.1	nil	nil	81.8	89.0
		Evening	L_{10}	58.5	58.9	59.1	nil	nil	58.2	58.1	59.0	nil	nil	62.5	61.7
			L_{90}	49.9	49.1	47.9	nil	nil	46.9	47.8	48.4	nil	nil	50.3	50.0
			L_{eq}	55.7	56.0	55.6	nil	nil	56.6	56.4	56.0	nil	nil	62.1	59.5
			L_{max}	73.8	72.9	74.2	nil	nil	82.0	79.4	81.8	nil	nil	86.7	79.4
		Night	L_{10}	53.5	54.1	54.8	nil	nil	55.6	55.1	55.4	nil	nil	56.4	59.2
			L_{90}	40.7	40.8	41.2	nil	nil	41.4	41.7	41.0	nil	nil	49.2	49.6
			L_{eq}	49.8	49.9	50.3	nil	nil	51.7	50.7	50.9	nil	nil	54.3	56.5
			L_{max}	60.7	60.5	60.8	nil	nil	64.1	64.7	64.1	nil	nil	83.9	84.2
86	Rm 616, Oi Lai House, Yau Oi Estate, Tuen Mun	Day	L_{10}	65.4	59.7	nil	nil	nil	65.4	57.3	nil	nil	nil	60.6	60.2
			L_{90}	56.3	48.6	nil	nil	nil	55.1	48.9	nil	nil	nil	55.8	54.7
			L_{eq}	62.5	57.1	nil	nil	nil	62.5	53.9	nil	nil	nil	57.9	57.7

			L_{max}	73.3	76.5	nil	nil	nil	74.4	65.4	nil	nil	nil	68.9	67.5
		Evening	L_{10}	67.6	59.2	nil	nil	nil	66.0	58.5	nil	nil	nil	60.5	61.5
			L_{90}	56.3	49.9	nil	nil	nil	54.9	51.0	nil	nil	nil	54.6	53.9
			L_{eq}	64.2	56.4	nil	nil	nil	62.6	55.7	nil	nil	nil	58.1	58.4
			L_{max}	76.4	69.4	nil	nil	nil	72.6	67.7	nil	nil	nil	67.5	69.3
		Night	L_{10}	65.6	53.2	nil	nil	nil	66.4	55.1	nil	nil	nil	57.3	57.4
			L_{90}	56.1	48.9	nil	nil	nil	55.9	50.3	nil	nil	nil	53.7	54.9
			L_{eq}	62.6	51.4	nil	nil	nil	63.3	53.0	nil	nil	nil	55.8	56.1
			L_{max}	75.6	57.9	nil	nil	nil	76.4	57.9	nil	nil	nil	66.1	61.8
87	Flat C, 35/F,Tower1, Viani Cove, Tin Shui Wai	Day	L_{10}	69.7	58.4	55.7	nil	nil	62.9	59.6	56.4	nil	nil	63.1	60.4
			L_{90}	47.4	46.6	45.9	nil	nil	46.4	47.9	45.9	nil	nil	53.6	53.3
			L_{eq}	66.0	55.2	50.8	nil	nil	59.1	55.6	54.7	nil	nil	59.8	57.4
			L_{max}	84.1	65.4	58.3	nil	nil	79.1	63.0	60.1	nil	nil	73.2	69.3
		Evening	L_{10}	73.0	67.6	64.8	nil	nil	69.2	67.0	63.0	nil	nil	60.5	59.3
			L_{90}	56.4	54.0	63.8	nil	nil	54.4	56.0	54.1	nil	nil	53.3	52.5
			L_{eq}	69.6	63.4	61.3	nil	nil	66.1	64.8	59.8	nil	nil	57.9	56.3
			L_{max}	87.8	73.5	72.6	nil	nil	83.2	78.1	69.2	nil	nil	74.2	73.8
		Night	L_{10}	67.5	64.7	65.4	nil	nil	64.8	64.6	63.1	nil	nil	53.5	56.0
			L_{90}	55.8	57.0	61.0	nil	nil	55.6	61.8	54.6	nil	nil	50.9	51.3
			L_{eq}	64.1	62.7	63.6	nil	nil	62.4	63.8	59.6	nil	nil	52.4	53.6
			L_{max}	81.5	70.4	68.3	nil	nil	83.1	70.6	67.3	nil	nil	70.3	65.3
88	11/F Tai Mei Tuk Tsuen, Tai Po	Day	L_{10}	64.5	65.1	67.5	nil	nil	65.5	65.5	67.6	nil	nil	53.6	53.8
			L_{90}	55.7	57.9	55.1	nil	nil	53.8	53.8	57.2	nil	nil	48.1	48.4
			L_{eq}	61.7	62.5	63.6	nil	nil	62.4	61.6	64.1	nil	nil	52.1	52.7
			L_{max}	75.8	71.0	73.0	nil	nil	79.4	69.1	74.7	nil	nil	66.8	69.3
		Evening	L_{10}	66.3	65.2	65.0	nil	nil	66.5	65.7	64.1	nil	nil	55.2	54.0
			L_{90}	55.7	55.7	54.0	nil	nil	54.2	57.2	55.1	nil	nil	47.4	48.2

			L_{eq}	63.0	62.0	61.6	nil	nil	63.2	62.8	61.3	nil	nil	54.7	53.0
			L_{max}	76.0	73.0	72.3	nil	nil	75.7	71.7	68.1	nil	nil	71.6	71.8
		Night	L_{10}	68.7	67.1	68.9	nil	nil	67.9	67.7	67.5	nil	nil	56.6	58.0
			L_{90}	58.8	57.6	59.7	nil	nil	54.8	60.7	59.5	nil	nil	49.8	50.4
			L_{eq}	65.5	63.5	65.5	nil	nil	64.4	65.5	64.6	nil	nil	54.1	55.4
			L_{max}	80.5	73.0	74.0	nil	nil	79.1	75.9	73.4	nil	nil	65.0	66.8
89	Flat 9, 11/F, Peony House, Tai Kok Tsui	Day	L_{10}	62.6	60.7	60.8	nil	nil	60.9	62.7	60.2	nil	nil	70.2	73.6
			L_{90}	54.3	52.3	51.4	nil	nil	53.4	53.6	50.9	nil	nil	64.6	64.4
			L_{eq}	58.4	57.7	57.9	nil	nil	58.1	59.3	58.1	nil	nil	67.9	72.0
			L_{max}	69.1	65.1	69.9	nil	nil	68.4	66.1	67.7	nil	nil	77.7	89.5
		Evening	L_{10}	62.4	65.7	60.1	nil	nil	60.0	65.1	60.8	nil	nil	69.3	69.2
			L_{90}	54.8	51.8	50.6	nil	nil	52.6	52.1	50.1	nil	nil	63.6	63.3
			L_{eq}	60.6	62.4	57.7	nil	nil	57.3	62.1	57.5	nil	nil	67.1	66.8
			L_{max}	74.6	72.6	74.2	nil	nil	67.2	72.4	69.1	nil	nil	76.5	78.4
		Night	L_{10}	60.3	61.0	58.8	nil	nil	60.9	65.7	60.0	nil	nil	68.9	68.7
			L_{90}	52.2	51.5	48.6	nil	nil	52.5	51.8	48.4	nil	nil	62.4	62.6
			L_{eq}	57.5	58.7	55.8	nil	nil	57.8	61.4	56.7	nil	nil	66.6	66.3
			L_{max}	70.2	74.5	63.4	nil	nil	70.4	72.6	70.3	nil	nil	77.2	78.7
90	Pierhead Garden, 168 - 236 Wu Chui Road, Tuen Mun, N.T.	Day	L_{10}	62.8	61.6	62.1	nil	nil	63.0	62.8	63.5	nil	nil	61.2	63.0
			L_{90}	54.0	54.1	54.0	nil	nil	54.2	54.5	54.3	nil	nil	59.1	58.7
			L_{eq}	60.7	60.2	61.0	nil	nil	60.2	61.5	60.8	nil	nil	60.3	60.1
			L_{max}	79.9	75.4	76.1	nil	nil	78.1	77.2	74.5	nil	nil	68.9	67.7
		Evening	L_{10}	64.6	64.6	63.7	nil	nil	67.7	68.5	69.0	nil	nil	61.1	61.4
			L_{90}	54.5	54.6	55.1	nil	nil	55.3	57.1	57.5	nil	nil	58.6	58.9
			L_{eq}	64.1	63.0	61.8	nil	nil	65.1	66.0	66.2	nil	nil	59.9	60.4
			L_{max}	81.3	79.4	79.0	nil	nil	83.1	78.9	77.9	nil	nil	73.5	71.6
		Night	L_{10}	55.6	54.2	nil	nil	nil	51.8	51.9	nil	nil	nil	59.2	58.6

			L_{90}	46.8	47.5	nil	nil	nil	46.5	46.6	nil	nil	nil	57.5	57.3
			L_{eq}	53.1	50.2	nil	nil	nil	49.9	50.0	nil	nil	nil	58.4	58.1
			L_{max}	73.7	72.5	nil	nil	nil	66.4	66.0	nil	nil	nil	69.5	65.1
91	Rm 1111, Tsui Ning Hse, Wan Tsui Estate, Chai Wan	Day	L_{10}	68.9	69.5	nil	nil	nil	68.9	68.3	nil	nil	nil	68.8	68.0
			L_{90}	55.5	60.2	nil	nil	nil	57.4	59.1	nil	nil	nil	59.8	60.0
			L_{eq}	65.7	66.5	nil	nil	nil	65.9	65.2	nil	nil	nil	65.3	65.2
			L_{max}	88.0	76.2	nil	nil	nil	86.0	76.0	nil	nil	nil	81.6	91.4
		Evening	L_{10}	70.9	66.5	nil	nil	nil	72.7	70.9	nil	nil	nil	69.2	67.5
			L_{90}	58.6	57.5	nil	nil	nil	58.6	62.2	nil	nil	nil	59.8	59.8
			L_{eq}	67.7	63.8	nil	nil	nil	69.4	69.0	nil	nil	nil	65.7	64.9
			L_{max}	85.9	73.3	nil	nil	nil	90.3	81.9	nil	nil	nil	81.3	81.0
		Night	L_{10}	74.1	58.2	nil	nil	nil	77.0	67.6	nil	nil	nil	67.5	69.0
			L_{90}	58.6	54.7	nil	nil	nil	60.8	59.7	nil	nil	nil	60.3	60.7
			L_{eq}	70.6	66.6	nil	nil	nil	73.2	65.0	nil	nil	nil	64.9	65.8
			L_{max}	87.6	73.6	nil	nil	nil	90.2	79.7	nil	nil	nil	76.4	83.2
92	104 Lok Lo Ha Tsuen, Sha Tin	Day	L_{10}	71.9	65.5	66.7	nil	nil	69.3	66.9	69.8	nil	nil	65.2	66.0
			L_{90}	58.5	59.4	58.3	nil	nil	61.1	57.4	60.7	nil	nil	55.6	56.1
			L_{eq}	68.7	64.4	63.4	nil	nil	66.4	63.8	67.1	nil	nil	61.3	61.4
			L_{max}	84.3	78.2	70.1	nil	nil	78.3	71.5	77.7	nil	nil	72.5	75.0
		Evening	L_{10}	65.8	66.1	65.7	nil	nil	64.8	65.7	66.7	nil	nil	64.7	65.5
			L_{90}	59.3	60.1	59.6	nil	nil	56.4	60.3	60.1	nil	nil	54.2	55.7
			L_{eq}	63.3	63.4	62.9	nil	nil	63.7	63.3	64.8	nil	nil	61.0	61.8
			L_{max}	78.4	75.3	69.8	nil	nil	84.0	69.5	73.7	nil	nil	73.0	74.7
		Night	L_{10}	66.3	69.4	66.7	nil	nil	68.0	68.2	68.5	nil	nil	62.1	61.7
			L_{90}	56.5	60.3	55.2	nil	nil	54.3	54.5	56.3	nil	nil	51.8	51.2
			L_{eq}	63.4	65.7	62.3	nil	nil	64.2	64.0	65.9	nil	nil	60.7	60.1
			L_{max}	75.9	71.9	74.3	nil	nil	75.0	74.7	78.1	nil	nil	72.8	73.5

93	No. 12, Pak Wai Village, Sai Kung	Day	L_{10}	75.2	70.8	70.7	nil	nil	73.0	69.5	71.2	nil	nil	67.1	70.4
			L_{90}	57.3	58.3	59.7	nil	nil	62.2	61.5	62.4	nil	nil	51.1	53.7
			L_{eq}	71.9	68.0	67.1	nil	nil	69.6	66.3	68.5	nil	nil	63.9	66.5
			L_{max}	87.7	83.6	73.1	nil	nil	82.6	73.2	84.3	nil	nil	82.6	81.8
		Evening	L_{10}	60.1	58.4	59.6	nil	nil	60.8	61.2	58.3	nil	nil	63.5	64.2
			L_{90}	55.6	53.1	52.4	nil	nil	55.1	52.8	54.3	nil	nil	57.2	56.3
			L_{eq}	59.3	56.0	58.1	nil	nil	58.4	59.3	55.9	nil	nil	62.2	61.7
			L_{max}	79.3	68.1	73.1	nil	nil	80.9	66.1	67.0	nil	nil	80.3	81.7
		Night	L_{10}	58.4	56.0	61.0	nil	nil	52.8	55.8	60.9	nil	nil	80.6	62.1
			L_{90}	51.0	54.2	54.2	nil	nil	50.5	52.5	53.9	nil	nil	58.3	59.5
			L_{eq}	57.4	55.2	57.7	nil	nil	52.0	54.2	57.5	nil	nil	60.4	61.1
			L_{max}	80.0	62.3	67.9	nil	nil	70.3	63.1	67.4	nil	nil	81.2	71.6
94	Rm 11, Tai Long Wan Village, Hong Kong	Day	L_{10}	60.8	59.7	60.6	nil	nil	64.9	65.0	65.3	nil	nil	62.1	58.9
			L_{90}	51.0	51.1	50.8	nil	nil	51.9	52.0	52.2	nil	nil	50.6	49.6
			L_{eq}	58.5	59.1	59.3	nil	nil	61.1	61.5	62.0	nil	nil	59.8	57.6
			L_{max}	77.0	76.5	77.1	nil	nil	74.1	72.3	73.0	nil	nil	79.2	75.5
		Evening	L_{10}	73.5	72.1	72.6	nil	nil	78.1	74.9	75.9	nil	nil	73.1	71.0
			L_{90}	63.1	59.3	59.5	nil	nil	61.0	60.2	60.9	nil	nil	56.4	55.4
			L_{eq}	70.0	71.5	71.6	nil	nil	75.2	74.2	74.7	nil	nil	69.4	68.2
			L_{max}	93.1	91.5	70.4	nil	nil	96.3	98.3	92.9	nil	nil	89.8	89.4
		Night	L_{10}	59.5	58.2	58.5	nil	nil	59.2	59.0	58.7	nil	nil	60.3	59.9
			L_{90}	50.9	50.7	50.8	nil	nil	51.7	51.1	51.5	nil	nil	49.7	49.5
			L_{eq}	56.9	57.1	51.6	nil	nil	57.5	58.0	58.2	nil	nil	56.7	57.3
			L_{max}	70.1	72.1	71.5	nil	nil	77.0	74.5	76.1	nil	nil	68.4	67.9
95	Rm 1108, Cheuk Wah Hse, Hing Wah Estate, Chai Wan	Day	L_{10}	58.1	56.7	58.6	60.0	nil	57.5	57.2	58.9	63.4	nil	68.6	70.9
			L_{90}	49.4	49.3	50.0	52.8	nil	50.8	50.2	50.4	49.8	nil	57.0	57.1
			L_{eq}	56.5	56.3	55.5	56.5	nil	55.7	56.5	55.9	60.3	nil	65.6	66.8

			L_{max}	80.4	73.7	62.0	71.4	**nil**	76.1	74.6	68.7	77.8	**nil**	71.0	76.7
		Evening	L_{10}	62.7	66.8	58.3	61.1	**nil**	62.5	64.8	61.5	60.8	**nil**	71.0	71.1
			L_{90}	52.6	57.1	54.4	53.9	**nil**	54.9	56.1	54.6	47.5	**nil**	57.2	56.3
			L_{eq}	59.3	62.0	56.4	57.5	**nil**	59.0	61.1	57.5	55.8	**nil**	67.0	67.0
			L_{max}	85.7	68.5	72.3	70.7	**nil**	76.4	75.6	64.8	64.1	**nil**	77.2	78.2
		Night	L_{10}	60.2	55.3	57.5	56.8	**nil**	58.8	56.2	56.6	53.9	**nil**	69.6	69.1
			L_{90}	50.9	48.6	49.2	50.2	**nil**	49.8	47.4	49.3	48.3	**nil**	58.0	56.7
			L_{eq}	57.5	53.6	54.8	54.6	**nil**	56.3	53.2	53.7	52.9	**nil**	66.1	65.3
			L_{max}	75.3	70.7	64.0	68.8	**nil**	82.0	62.5	66.2	72.3	**nil**	77.2	77.7
96	House 7, 1/F, 1 Peak Road, Cheung Chau	Day	L_{10}	47.5	45.1	47.0	45.5	**nil**	48.5	44.8	47.4	45.3	**nil**	54.5	50.9
			L_{90}	44.0	43.4	43.5	43.0	**nil**	44.2	43.1	43.9	43.3	**nil**	48.6	47.9
			L_{eq}	46.5	44.3	45.6	44.2	**nil**	47.2	43.9	46.0	44.4	**nil**	52.6	49.7
			L_{max}	70.6	47.3	53.4	47.5	**nil**	68.3	48.5	50.8	52.6	**nil**	73.2	65.5
		Evening	L_{10}	48.4	44.5	45.4	48.0	**nil**	49.4	49.0	49.7	47.5	**nil**	57.6	55.1
			L_{90}	44.5	41.6	43.0	43.4	**nil**	44.3	41.7	42.9	43.3	**nil**	48.3	47.9
			L_{eq}	48.0	44.4	44.3	46.5	**nil**	49.1	46.4	47.5	48.1	**nil**	50.7	52.9
			L_{max}	75.0	60.1	49.5	59.7	**nil**	71.5	61.5	63.0	63.7	**nil**	76.4	74.0
		Night	L_{10}	67.7	64.1	53.8	51.9	**nil**	63.5	65.6	54.1	51.6	**nil**	59.8	54.2
			L_{90}	52.8	49.7	47.6	45.7	**nil**	48.9	50.2	48.0	45.9	**nil**	50.4	49.2
			L_{eq}	65.8	61.2	51.6	50.1	**nil**	60.4	62.5	52.0	49.8	**nil**	57.5	51.8
			L_{max}	88.1	79.2	70.4	66.7	**nil**	80.7	77.9	69.9	68.5	**nil**	73.5	67.0
97	54 Centre Lei Yue Mun Praya Road, Yau Tong, Kowloon	Day	L_{10}	66.5	66.5	**nil**	**nil**	**nil**	65.5	64.5	**nil**	**nil**	**nil**	73.0	71.5
			L_{90}	48.5	52.5	**nil**	**nil**	**nil**	49.5	53.0	**nil**	**nil**	**nil**	56.0	57.0
			L_{eq}	58.0	57.3	**nil**	**nil**	**nil**	55.1	59.7	**nil**	**nil**	**nil**	63.7	62.5
			L_{max}	80.5	69.1	**nil**	**nil**	**nil**	75.4	74.8	**nil**	**nil**	**nil**	82.9	79.5
		Evening	L_{10}	70.0	70.5	**nil**	**nil**	**nil**	72.5	69.0	**nil**	**nil**	**nil**	79.0	80.0
			L_{90}	50.5	52.0	**nil**	**nil**	**nil**	50.4	51.0	**nil**	**nil**	**nil**	62.0	63.0

			L_{eq}	57.2	61.4	**nil**	**nil**	**nil**	59.7	55.7	**nil**	**nil**	**nil**	70.2	71.4
			L_{max}	72.8	69.4	**nil**	**nil**	**nil**	88.4	71.5	**nil**	**nil**	**nil**	83.1	88.1
		Night	L_{10}	65.5	65.5	**nil**	**nil**	**nil**	69.0	67.5	**nil**	**nil**	**nil**	70.5	69.5
			L_{90}	49.5	49.0	**nil**	**nil**	**nil**	49.5	51.0	**nil**	**nil**	**nil**	57.5	55.5
			L_{eq}	55.2	56.1	**nil**	**nil**	**nil**	58.7	57.5	**nil**	**nil**	**nil**	62.5	60.5
			L_{max}	76.4	69.3	**nil**	**nil**	**nil**	77.4	75.3	**nil**	**nil**	**nil**	78.5	74.3
98	No.61A, Northern River Section, Shek Wu San Tsuen, Sheung Shui	Day	L_{10}	64.9	63.7	64.1	**nil**	**nil**	67.8	69.9	65.6	**nil**	**nil**	56.1	55.1
			L_{90}	54.7	55.5	56.1	**nil**	**nil**	57.0	57.9	58.2	**nil**	**nil**	48.3	44.4
			L_{eq}	61.6	60.7	60.9	**nil**	**nil**	64.6	66.0	63.8	**nil**	**nil**	54.0	53.7
			L_{max}	76.1	68.6	66.5	**nil**	**nil**	80.3	77.9	75.2	**nil**	**nil**	65.5	66.8
		Evening	L_{10}	68.0	69.7	67.6	**nil**	**nil**	67.6	65.9	65.3	**nil**	**nil**	51.4	50.8
			L_{90}	56.3	58.0	59.1	**nil**	**nil**	55.3	57.8	56.1	**nil**	**nil**	47.9	46.3
			L_{eq}	64.3	66.2	64.2	**nil**	**nil**	64.4	65.9	62.1	**nil**	**nil**	49.7	49.2
			L_{max}	86.1	75.1	75.4	**nil**	**nil**	82.9	80.5	69.9	**nil**	**nil**	63.1	62.2
		Night	L_{10}	64.9	66.4	60.8	**nil**	**nil**	64.8	58.3	61.3	**nil**	**nil**	46.4	48.1
			L_{90}	45.3	48.2	46.3	**nil**	**nil**	45.1	45.5	44.9	**nil**	**nil**	44.5	45.2
			L_{eq}	60.8	60.3	57.0	**nil**	**nil**	60.4	52.6	56.0	**nil**	**nil**	45.6	47.0
			L_{max}	77.6	71.7	70.6	**nil**	**nil**	75.3	63.6	68.6	**nil**	**nil**	58.7	59.8
99	No. 312, Fanling Wai, Fanling	Day	L_{10}	63.2	61.4	**nil**	**nil**	**nil**	61.3	62.1	**nil**	**nil**	**nil**	55.6	55.7
			L_{90}	51.7	52.1	**nil**	**nil**	**nil**	48.3	51.7	**nil**	**nil**	**nil**	50.1	49.5
			L_{eq}	61.5	61.4	**nil**	**nil**	**nil**	59.4	61.0	**nil**	**nil**	**nil**	53.8	53.4
			L_{max}	87.2	87.9	**nil**	**nil**	**nil**	90.2	89.2	**nil**	**nil**	**nil**	74.1	72.9
		Evening	L_{10}	72.5	71.9	**nil**	**nil**	**nil**	72.3	86.1	**nil**	**nil**	**nil**	65.2	56.3
			L_{90}	58.0	57.9	**nil**	**nil**	**nil**	59.3	72.1	**nil**	**nil**	**nil**	51.1	49.7
			L_{eq}	70.0	69.3	**nil**	**nil**	**nil**	69.5	58.1	**nil**	**nil**	**nil**	62.8	53.7
			L_{max}	89.6	87.9	**nil**	**nil**	**nil**	86.1	85.4	**nil**	**nil**	**nil**	89.0	65.3
		Night	L_{10}	48.2	48.9	**nil**	**nil**	**nil**	48.4	48.7	**nil**	**nil**	**nil**	53.3	54.1

			L_{90}	44.2	44.0	nil	nil	nil	43.7	43.5	nil	nil	nil	47.3	47.4
			L_{eq}	46.4	46.1	nil	nil	nil	46.7	46.4	nil	nil	nil	50.9	51.7
			L_{max}	56.3	59.4	nil	nil	nil	64.0	59.8	nil	nil	nil	62.4	69.8
100	7/F, Blk 15A, Laguna Verde, Hung Hom	Day	L_{10}	76.0	76.2	78.2	nil	nil	74.0	75.8	74.3	nil	nil	59.2	61.2
			L_{90}	55.2	66.5	64.3	nil	nil	62.0	63.5	60.9	nil	nil	56.3	56.3
			L_{eq}	73.4	76.1	73.6	nil	nil	70.8	72.2	71.0	nil	nil	57.8	58.4
			L_{max}	86.3	83.7	86.5	nil	nil	86.0	81.8	82.0	nil	nil	72.2	65.1
		Evening	L_{10}	76.5	73.9	75.1	nil	nil	75.4	74.3	72.8	nil	nil	62.0	59.6
			L_{90}	62.2	60.2	62.9	nil	nil	61.6	61.0	60.7	nil	nil	58.1	57.6
			L_{eq}	72.6	70.4	71.8	nil	nil	72.0	71.0	69.8	nil	nil	60.6	58.7
			L_{max}	81.3	78.5	80.6	nil	nil	78.2	80.1	77.8	nil	nil	69.9	64.5
		Night	L_{10}	76.0	73.4	75.3	nil	nil	73.1	74.2	74.9	nil	nil	60.9	59.7
			L_{90}	52.6	53.0	52.8	nil	nil	51.5	52.0	52.9	nil	nil	51.8	57.4
			L_{eq}	74.1	73.2	72.5	nil	nil	71.3	72.1	73.0	nil	nil	59.3	57.4
			L_{max}	82.4	82.5	79.6	nil	nil	80.9	78.5	79.2	nil	nil	62.0	60.3
101	No.29B, Tin Ping Village, Sheung Shui	Day	L_{10}	63.7	56.4	59.1	nil	nil	62.9	56.1	61.5	nil	nil	62.0	59.7
			L_{90}	52.3	49.1	52.0	nil	nil	52.7	49.7	50.0	nil	nil	50.0	49.5
			L_{eq}	62.8	53.3	56.0	nil	nil	59.6	53.9	56.4	nil	nil	60.0	57.8
			L_{max}	84.0	62.6	63.7	nil	nil	69.2	63.6	66.1	nil	nil	77.0	80.2
		Evening	L_{10}	62.5	64.2	65.3	nil	nil	60.5	65.1	65.7	nil	nil	58.4	58.5
			L_{90}	49.5	53.6	53.0	nil	nil	49.0	52.9	53.3	nil	nil	49.7	49.8
			L_{eq}	60.2	60.1	61.7	nil	nil	58.0	61.0	61.1	nil	nil	55.3	55.0
			L_{max}	85.6	68.0	71.0	nil	nil	77.1	69.7	69.2	nil	nil	70.5	69.2
		Night	L_{10}	45.5	45.8	44.1	nil	nil	46.1	49.3	45.4	nil	nil	56.1	57.7
			L_{90}	36.2	37.7	37.2	nil	nil	37.7	38.1	37.3	nil	nil	49.3	49.8
			L_{eq}	43.4	44.3	42.0	nil	nil	45.0	46.8	43.4	nil	nil	52.4	53.1
			L_{max}	62.7	55.7	55.8	nil	nil	63.3	62.2	53.5	nil	nil	66.1	67.0

102	No.29A, A Kung Ngam, Shau Kei Wan, Hong Kong	Day	L_{10}	60.1	**nil**	**nil**	**nil**	**nil**	62.0	**nil**	**nil**	**nil**	**nil**	71.9	74.4
			L_{90}	51.6	**nil**	**nil**	**nil**	**nil**	53.3	**nil**	**nil**	**nil**	**nil**	62.7	63.7
			L_{eq}	58.0	**nil**	**nil**	**nil**	**nil**	61.0	**nil**	**nil**	**nil**	**nil**	70.0	74.0
			L_{max}	77.6	**nil**	**nil**	**nil**	**nil**	84.1	**nil**	**nil**	**nil**	**nil**	89.7	97.6
		Evening	L_{10}	63.4	**nil**	**nil**	**nil**	**nil**	62.7	**nil**	**nil**	**nil**	**nil**	65.3	69.1
			L_{90}	52.4	**nil**	**nil**	**nil**	**nil**	51.7	**nil**	**nil**	**nil**	**nil**	53.1	52.7
			L_{eq}	59.0	**nil**	**nil**	**nil**	**nil**	58.4	**nil**	**nil**	**nil**	**nil**	62.6	62.8
			L_{max}	74.3	**nil**	**nil**	**nil**	**nil**	71.5	**nil**	**nil**	**nil**	**nil**	70.8	76.8
		Night	L_{10}	63.0	**nil**	**nil**	**nil**	**nil**	62.4	**nil**	**nil**	**nil**	**nil**	65.7	64.4
			L_{90}	50.4	**nil**	**nil**	**nil**	**nil**	50.8	**nil**	**nil**	**nil**	**nil**	52.0	51.5
			L_{eq}	54.3	**nil**	**nil**	**nil**	**nil**	54.8	**nil**	**nil**	**nil**	**nil**	57.0	57.4
			L_{max}	68.1	**nil**	**nil**	**nil**	**nil**	67.5	**nil**	**nil**	**nil**	**nil**	70.5	70.1
103	No.111, Tsing Shan Village, Tuen Mun	Day	L_{10}	59.3	60.8	**nil**	**nil**	**nil**	59.4	58.7	**nil**	**nil**	**nil**	63.0	63.6
			L_{90}	53.6	56.5	**nil**	**nil**	**nil**	55.6	54.8	**nil**	**nil**	**nil**	56.3	56.8
			L_{eq}	56.7	58.7	**nil**	**nil**	**nil**	57.9	57.6	**nil**	**nil**	**nil**	60.5	61.1
			L_{max}	64.3	63.2	**nil**	**nil**	**nil**	67.5	72.7	**nil**	**nil**	**nil**	74.3	67.4
		Evening	L_{10}	61.4	59.5	**nil**	**nil**	**nil**	59.9	59.5	**nil**	**nil**	**nil**	64.1	63.9
			L_{90}	56.9	53.7	**nil**	**nil**	**nil**	55.9	54.8	**nil**	**nil**	**nil**	55.6	55.2
			L_{eq}	59.8	57.3	**nil**	**nil**	**nil**	58.4	57.4	**nil**	**nil**	**nil**	61.5	59.9
			L_{max}	64.4	62.6	**nil**	**nil**	**nil**	62.8	61.8	**nil**	**nil**	**nil**	70.4	68.4
		Night	L_{10}	60.7	59.1	**nil**	**nil**	**nil**	61.2	59.9	**nil**	**nil**	**nil**	61.3	61.9
			L_{90}	55.4	53.8	**nil**	**nil**	**nil**	55.4	54.7	**nil**	**nil**	**nil**	53.6	54.4
			L_{eq}	58.2	57.1	**nil**	**nil**	**nil**	59.0	57.9	**nil**	**nil**	**nil**	58.0	59.0
			L_{max}	63.4	66.1	**nil**	**nil**	**nil**	68.4	63.0	**nil**	**nil**	**nil**	65.9	63.4
104	No.56, Mo Lo Shan Village, Tuen Mun	Day	L_{10}	60.3	**nil**	**nil**	**nil**	**nil**	61.0	**nil**	**nil**	**nil**	**nil**	65.3	68.5
			L_{90}	55.3	**nil**	**nil**	**nil**	**nil**	55.2	**nil**	**nil**	**nil**	**nil**	58.4	59.1
			L_{eq}	58.5	**nil**	**nil**	**nil**	**nil**	57.9	**nil**	**nil**	**nil**	**nil**	63.1	65.5

			L_{max}	69.9	nil	nil	nil	nil	64.2	nil	nil	nil	nil	77.6	72.3
		Evening	L_{10}	62.9	nil	nil	nil	nil	63.4	nil	nil	nil	nil	60.8	60.3
			L_{90}	55.2	nil	nil	nil	nil	55.0	nil	nil	nil	nil	56.4	56.7
			L_{eq}	61.0	nil	nil	nil	nil	60.5	nil	nil	nil	nil	58.8	58.6
			L_{max}	82.1	nil	nil	nil	nil	75.1	nil	nil	nil	nil	65.4	65.1
		Night	L_{10}	57.8	nil	nil	nil	nil	56.9	nil	nil	nil	nil	55.0	56.2
			L_{90}	54.6	nil	nil	nil	nil	54.8	nil	nil	nil	nil	54.1	54.2
			L_{eq}	56.2	nil	nil	nil	nil	55.8	nil	nil	nil	nil	54.5	54.9
			L_{max}	64.2	nil	nil	nil	nil	66.0	nil	nil	nil	nil	59.3	59.8
105	Rm C, 3/F, Blk 3, Classical Gardens, 8 Ma Wo Road, Tai Po, N.T.	Day	L_{10}	65.2	62.6	67.6	nil	nil	67.3	66.1	65.1	nil	nil	74.0	70.5
			L_{90}	55.6	55.8	58.1	nil	nil	55.8	59.4	58.2	nil	nil	59.2	55.1
			L_{eq}	61.8	59.8	64.3	nil	nil	64.4	64.8	62.8	nil	nil	70.2	66.5
			L_{max}	78.0	72.3	77.3	nil	nil	87.5	78.8	76.3	nil	nil	84.7	82.1
		Evening	L_{10}	69.4	71.2	68.4	nil	nil	61.6	71.4	65.3	nil	nil	57.9	57.3
			L_{90}	55.7	57.9	58.2	nil	nil	46.0	58.0	57.0	nil	nil	53.9	53.7
			L_{eq}	62.9	68.1	65.1	nil	nil	60.0	67.8	62.9	nil	nil	56.1	55.8
			L_{max}	91.0	78.6	77.7	nil	nil	90.6	79.7	67.9	nil	nil	67.4	67.9
		Night	L_{10}	58.1	70.5	70.7	nil	nil	53.6	66.9	62.2	nil	nil	56.5	55.9
			L_{90}	45.3	57.5	57.0	nil	nil	43.8	57.4	56.2	nil	nil	54.3	54.1
			L_{eq}	54.8	66.3	66.5	nil	nil	50.5	62.8	59.9	nil	nil	55.4	55.0
			L_{max}	80.9	76.5	76.6	nil	nil	72.3	76.0	74.8	nil	nil	70.6	60.2
106	Flat B, 9/F, Blk 1, Hong Tak Gardens, No. 11, Shek Pai Tau Rd,Tuen Mun, N.T.	Day	L_{10}	53.4	65.7	69.3	nil	nil	53.2	65.9	69.3	nil	nil	69.8	69.8
			L_{90}	52.3	58.1	58.5	nil	nil	52.2	56.3	59.3	nil	nil	63.7	64.4
			L_{eq}	52.8	62.6	66.3	nil	nil	52.7	62.7	66.4	nil	nil	68.9	67.6
			L_{max}	55.3	69.2	78.6	nil	nil	59.0	71.9	76.0	nil	nil	92.5	72.3
		Evening	L_{10}	53.2	64.0	65.3	nil	nil	53.2	65.2	63.8	nil	nil	70.2	71.2
			L_{90}	52.2	56.7	57.3	nil	nil	52.2	57.7	56.9	nil	nil	65.3	64.5

			L_{eq}	52.7	61.7	62.8	**nil**	**nil**	52.7	63.3	61.0	**nil**	**nil**	68.4	69.1
			L_{max}	60.9	68.1	70.6	**nil**	**nil**	54.3	70.1	69.0	**nil**	**nil**	77.0	81.3
		Night	L_{10}	46.8	66.7	66.4	**nil**	**nil**	46.7	64.3	60.9	**nil**	**nil**	67.8	67.5
			L_{90}	44.7	53.0	55.0	**nil**	**nil**	44.6	53.3	53.8	**nil**	**nil**	58.8	59.4
			L_{eq}	45.8	63.6	63.3	**nil**	**nil**	45.6	62.6	59.5	**nil**	**nil**	64.8	64.6
			L_{max}	56.0	74.3	74.6	**nil**	**nil**	52.0	73.7	70.4	**nil**	**nil**	78.2	72.5
107	No. 6, Blk D, Wealthy Villa, Yeung Siu Hang Tsuen, Tuen Mun, N.T.	Day	L_{10}	70.3	69.9	70.4	**nil**	**nil**	73.1	73.5	71.8	**nil**	**nil**	62.9	61.1
			L_{90}	58.3	58.8	57.2	**nil**	**nil**	57.3	59.2	60.1	**nil**	**nil**	55.1	54.1
			L_{eq}	66.3	66.9	66.5	**nil**	**nil**	69.0	68.5	69.3	**nil**	**nil**	60.2	58.5
			L_{max}	78.0	73.4	75.4	**nil**	**nil**	83.9	80.3	81.4	**nil**	**nil**	78.8	73.5
		Evening	L_{10}	85.2	86.9	87.0	**nil**	**nil**	83.0	82.8	85.6	**nil**	**nil**	66.7	67.6
			L_{90}	60.2	65.2	73.4	**nil**	**nil**	62.2	72.1	76.7	**nil**	**nil**	54.7	54.5
			L_{eq}	80.6	80.9	84.0	**nil**	**nil**	79.6	79.7	83.2	**nil**	**nil**	63.0	63.6
			L_{max}	98.1	92.4	89.5	**nil**	**nil**	**100.5**	85.4	93.4	**nil**	**nil**	78.2	79.0
		Night	L_{10}	81.3	84.1	86.6	**nil**	**nil**	80.3	83.3	84.7	**nil**	**nil**	67.8	68.6
			L_{90}	60.0	73.1	73.0	**nil**	**nil**	59.8	71.1	74.0	**nil**	**nil**	54.0	54.0
			L_{eq}	77.2	78.1	84.1	**nil**	**nil**	76.4	78.2	79.7	**nil**	**nil**	64.5	65.3
			L_{max}	**100.6**	86.2	90.1	**nil**	**nil**	97.5	86.0	91.1	**nil**	**nil**	80.4	81.6
108	No. 100, Ha Pak Nai Tsuen, Ha Pak Nai, Yuen Long, N.T.	Day	L_{10}	76.7	64.8	67.1	**nil**	**nil**	75.1	63.5	68.4	**nil**	**nil**	53.0	53.3
			L_{90}	57.3	52.4	48.0	**nil**	**nil**	56.0	46.3	48.3	**nil**	**nil**	42.4	42.7
			L_{eq}	72.3	61.1	62.7	**nil**	**nil**	70.7	60.0	64.3	**nil**	**nil**	50.2	51.0
			L_{max}	90.7	68.4	72.4	**nil**	**nil**	85.8	74.4	75.7	**nil**	**nil**	70.7	71.0
		Evening	L_{10}	78.1	63.7	63.0	**nil**	**nil**	77.0	67.0	64.2	**nil**	**nil**	48.6	48.1
			L_{90}	59.0	52.1	48.1	**nil**	**nil**	57.8	50.1	50.0	**nil**	**nil**	42.1	42.5
			L_{eq}	75.2	60.7	59.8	**nil**	**nil**	73.0	63.1	62.7	**nil**	**nil**	45.7	46.0
			L_{max}	90.0	68.0	66.7	**nil**	**nil**	88.0	71.1	69.2	**nil**	**nil**	62.5	63.3
		Night	L_{10}	70.0	55.4	56.6	**nil**	**nil**	69.0	57.9	58.8	**nil**	**nil**	46.6	46.1

			L_{90}	53.3	44.7	45.2	nil	nil	53.0	44.4	44.7	nil	nil	41.5	41.4
			L_{eq}	65.7	52.3	53.3	nil	nil	64.6	52.4	53.0	nil	nil	44.2	44.2
			L_{max}	86.1	63.4	63.7	nil	nil	84.2	65.6	66.7	nil	nil	59.3	59.0
109	Flat A, 3/F, Blk 2, Hanford Garden, Tuen Mun, N.T.	Day	L_{10}	66.6	57.5	58.9	nil	nil	57.7	57.9	58.5	nil	nil	71.4	72.2
			L_{90}	52.2	51.5	51.9	nil	nil	50.5	51.6	51.0	nil	nil	64.1	65.3
			L_{eq}	62.7	54.9	57.2	nil	nil	55.1	55.4	56.8	nil	nil	68.5	69.8
			L_{max}	88.2	66.8	74.1	nil	nil	67.0	67.2	71.9	nil	nil	84.6	84.1
		Evening	L_{10}	55.2	56.5	53.8	nil	nil	53.4	55.7	53.4	nil	nil	68.2	67.3
			L_{90}	48.2	48.7	48.5	nil	nil	47.9	47.8	47.7	nil	nil	60.5	60.4
			L_{eq}	54.1	57.4	51.4	nil	nil	51.1	53.1	50.8	nil	nil	66.0	65.3
			L_{max}	76.3	71.2	66.2	nil	nil	62.0	70.0	65.4	nil	nil	85.6	78.1
		Night	L_{10}	52.5	51.8	50.1	nil	nil	52.5	52.1	50.6	nil	nil	67.1	67.4
			L_{90}	47.2	47.0	45.9	nil	nil	45.0	47.0	46.2	nil	nil	58.8	58.2
			L_{eq}	50.3	49.7	48.2	nil	nil	49.7	49.4	48.4	nil	nil	64.0	64.6
			L_{max}	61.7	60.4	60.0	nil	nil	61.4	60.1	60.5	nil	nil	79.5	79.5
110	Roof, Kam Fuk Villa, Kam Tin, N.T.	Day	L_{10}	69.4	70.0	69.6	nil	nil	68.8	73.6	70.9	nil	nil	63.1	55.8
			L_{90}	58.2	59.8	59.3	nil	nil	57.2	58.7	58.1	nil	nil	51.4	50.9
			L_{eq}	65.8	67.3	66.5	nil	nil	65.6	68.2	67.8	nil	nil	58.7	53.8
			L_{max}	75.2	84.5	79.5	nil	nil	81.7	84.2	82.9	nil	nil	69.4	62.8
		Evening	L_{10}	71.7	71.5	82.4	nil	nil	73.9	75.1	76.6	nil	nil	76.9	68.7
			L_{90}	61.2	61.4	65.8	nil	nil	64.1	65.8	67.7	nil	nil	52.8	51.8
			L_{eq}	68.7	68.9	78.0	nil	nil	71.2	72.2	74.1	nil	nil	67.2	65.0
			L_{max}	86.3	83.9	91.8	nil	nil	84.9	84.3	87.0	nil	nil	81.5	76.9
		Night	L_{10}	73.4	72.9	75.1	nil	nil	74.8	74.3	76.2	nil	nil	70.8	71.0
			L_{90}	63.2	63.0	64.3	nil	nil	64.0	64.2	64.2	nil	nil	53.5	52.9
			L_{eq}	69.3	70.2	71.0	nil	nil	71.1	70.5	72.0	nil	nil	64.8	65.3
			L_{max}	85.3	82.6	86.1	nil	nil	83.9	85.1	84.3	nil	nil	77.5	76.4

111	No. 12, Goodview Court, Kam Tin, N.T.	Day	L_{10}	74.3	77.3	76.3	72.1	75.8	74.0	70.6	72.1	73.1	72.0	68.6	70.3
			L_{90}	57.5	58.3	59.2	56.9	58.2	58.1	57.5	57.2	57.6	56.9	57.0	57.1
			L_{eq}	70.1	74.0	72.5	70.3	71.8	70.2	67.0	69.4	67.5	67.2	57.5	57.8
			L_{max}	86.9	93.0	87.7	90.8	88.1	88.6	82.8	81.6	85.1	83.7	69.7	71.5
		Evening	L_{10}	83.2	80.6	80.6	80.0	81.5	80.0	82.0	80.5	80.0	79.9	58.1	57.7
			L_{90}	67.2	68.4	68.6	66.7	66.6	68.0	69.5	68.2	68.3	68.0	55.9	55.3
			L_{eq}	81.0	76.8	76.5	76.1	77.4	76.4	78.2	76.1	76.0	75.9	57.2	56.8
			L_{max}	90.2	89.2	90.5	88.6	91.6	90.2	92.5	88.7	86.5	81.9	75.5	67.1
		Night	L_{10}	81.6	80.5	81.0	80.7	80.9	81.8	80.7	81.0	80.5	82.0	58.1	57.2
			L_{90}	68.1	68.5	67.6	67.8	67.1	68.4	68.5	69.0	68.6	68.3	55.9	55.3
			L_{eq}	77.6	75.9	76.1	76.3	76.0	77.3	76.5	76.1	76.8	76.9	56.8	55.3
			L_{max}	89.3	90.1	88.6	89.3	88.7	89.9	88.5	87.5	88.6	90.5	70.2	67.1
112	Tsing Tau Tsuen Sheung Tsuen, Tuen Mun, N.	Day	L_{10}	54.7	54.3	**nil**	**nil**	**nil**	51.5	55.1	**nil**	**nil**	**nil**	62.7	61.3
			L_{90}	45.1	43.2	**nil**	**nil**	**nil**	42.2	44.6	**nil**	**nil**	**nil**	52.0	52.8
			L_{eq}	52.1	53.2	**nil**	**nil**	**nil**	48.0	51.9	**nil**	**nil**	**nil**	60.6	61.0
			L_{max}	63.7	70.8	**nil**	**nil**	**nil**	59.8	65.4	**nil**	**nil**	**nil**	74.5	78.9
		Evening	L_{10}	60.3	57.1	**nil**	**nil**	**nil**	64.3	60.5	**nil**	**nil**	**nil**	58.8	61.5
			L_{90}	57.9	51.9	**nil**	**nil**	**nil**	56.6	52.0	**nil**	**nil**	**nil**	52.6	55.5
			L_{eq}	58.1	55.2	**nil**	**nil**	**nil**	61.2	58.7	**nil**	**nil**	**nil**	56.5	58.9
			L_{max}	68.2	59.3	**nil**	**nil**	**nil**	65.2	70.9	**nil**	**nil**	**nil**	75.6	66.2
		Night	L_{10}	56.9	55.4	**nil**	**nil**	**nil**	54.4	55.9	**nil**	**nil**	**nil**	53.1	56.5
			L_{90}	50.5	50.2	**nil**	**nil**	**nil**	48.8	56.3	**nil**	**nil**	**nil**	46.4	46.5
			L_{eq}	54.6	57.5	**nil**	**nil**	**nil**	52.3	57.6	**nil**	**nil**	**nil**	51.1	50.2
			L_{max}	61.4	58.6	**nil**	**nil**	**nil**	56.6	57.8	**nil**	**nil**	**nil**	60.0	58.9
113	No. 96, Kau Shi Wai, Tai Po, N.T.	Day	L_{10}	63.2	66.6	**nil**	**nil**	**nil**	61.8	65.2	**nil**	**nil**	**nil**	59.8	66.0
			L_{90}	58.2	59.6	**nil**	**nil**	**nil**	58.0	58.0	**nil**	**nil**	**nil**	56.5	51.0
			L_{eq}	61.2	65.7	**nil**	**nil**	**nil**	60.0	63.4	**nil**	**nil**	**nil**	58.2	58.9

			L_{max}	69.8	68.9	**nil**	**nil**	**nil**	68.9	67.8	**nil**	**nil**	**nil**	64.1	69.7
		Evening	L_{10}	65.7	65.6	**nil**	**nil**	**nil**	67.9	64.7	**nil**	**nil**	**nil**	63.4	61.9
			L_{90}	58.1	60.2	**nil**	**nil**	**nil**	59.8	59.9	**nil**	**nil**	**nil**	56.3	56.8
			L_{eq}	62.3	63.7	**nil**	**nil**	**nil**	64.1	62.0	**nil**	**nil**	**nil**	57.9	58.4
			L_{max}	71.3	70.9	**nil**	**nil**	**nil**	75.9	69.3	**nil**	**nil**	**nil**	68.7	65.2
		Night	L_{10}	62.4	63.2	**nil**	**nil**	**nil**	62.0	63.7	**nil**	**nil**	**nil**	55.3	57.7
			L_{90}	56.9	58.1	**nil**	**nil**	**nil**	57.1	57.7	**nil**	**nil**	**nil**	47.5	46.9
			L_{eq}	59.8	61.1	**nil**	**nil**	**nil**	59.7	61.7	**nil**	**nil**	**nil**	51.0	51.4
			L_{max}	71.0	67.2	**nil**	**nil**	**nil**	67.0	67.4	**nil**	**nil**	**nil**	67.7	68.3
114	No. 77, Tong Fong Tsuen, Ping Shan, Yuen Long, N.T.	Day	L_{10}	58.0	56.8	**nil**	**nil**	**nil**	56.6	48.0	**nil**	**nil**	**nil**	69.1	69.8
			L_{90}	41.5	41.9	**nil**	**nil**	**nil**	42.0	41.3	**nil**	**nil**	**nil**	52.1	52.2
			L_{eq}	52.5	52.2	**nil**	**nil**	**nil**	51.3	46.1	**nil**	**nil**	**nil**	63.5	63.6
			L_{max}	66.1	62.5	**nil**	**nil**	**nil**	68.0	63.8	**nil**	**nil**	**nil**	76.8	78.1
		Evening	L_{10}	45.2	57.0	**nil**	**nil**	**nil**	46.1	54.4	**nil**	**nil**	**nil**	54.5	54.8
			L_{90}	41.7	40.9	**nil**	**nil**	**nil**	41.9	41.3	**nil**	**nil**	**nil**	52.3	52.2
			L_{eq}	44.7	51.4	**nil**	**nil**	**nil**	45.0	48.4	**nil**	**nil**	**nil**	53.9	53.7
			L_{max}	61.9	62.6	**nil**	**nil**	**nil**	63.3	62.2	**nil**	**nil**	**nil**	70.9	71.0
		Night	L_{10}	56.7	57.4	**nil**	**nil**	**nil**	57.4	47.7	**nil**	**nil**	**nil**	68.9	69.5
			L_{90}	41.2	41.4	**nil**	**nil**	**nil**	41.4	41.1	**nil**	**nil**	**nil**	52.3	52.2
			L_{eq}	51.2	52.3	**nil**	**nil**	**nil**	51.9	46.4	**nil**	**nil**	**nil**	63.4	64.0
			L_{max}	67.1	62.3	**nil**	**nil**	**nil**	65.8	58.9	**nil**	**nil**	**nil**	78.7	79.3
115	No. 326A, Shun Fung Wai, Yuen Long, N.T.	Day	L_{10}	68.4	71.3	72.2	**nil**	**nil**	64.4	69.4	70.4	**nil**	**nil**	72.3	72.6
			L_{90}	56.0	61.0	59.3	**nil**	**nil**	52.8	58.3	55.7	**nil**	**nil**	68.4	68.1
			L_{eq}	66.7	68.2	68.4	**nil**	**nil**	63.5	66.1	68.7	**nil**	**nil**	71.0	70.8
			L_{max}	90.4	81.4	78.4	**nil**	**nil**	85.1	82.6	86.2	**nil**	**nil**	80.2	82.1
		Evening	L_{10}	71.9	72.9	74.2	**nil**	**nil**	68.4	73.8	72.6	**nil**	**nil**	69.0	69.5
			L_{90}	57.1	62.6	61.3	**nil**	**nil**	56.1	62.4	60.9	**nil**	**nil**	63.2	63.0

			L_{eq}	68.9	69.2	70.1	**nil**	**nil**	64.8	70.3	64.7	**nil**	**nil**	66.7	67.0
			L_{max}	90.2	77.0	80.3	**nil**	**nil**	82.1	84.8	82.3	**nil**	**nil**	74.3	76.1
		Night	L_{10}	67.2	75.4	67.7	**nil**	**nil**	67.0	68.2	70.8	**nil**	**nil**	68.0	68.6
			L_{90}	55.3	62.6	55.7	**nil**	**nil**	55.1	55.7	58.7	**nil**	**nil**	61.2	60.9
			L_{eq}	63.8	72.4	64.6	**nil**	**nil**	63.6	66.4	67.7	**nil**	**nil**	65.5	65.9
			L_{max}	81.6	85.8	73.9	**nil**	**nil**	76.2	82.4	81.4	**nil**	**nil**	74.1	78.3
116	No. 6, Blk D, Wealthy Villa, Yeung Siu Hang Tsuen, Tuen Mun, N.T.	Day	L_{10}	66.7	62.9	63.6	**nil**	**nil**	67.2	67.9	68.2	**nil**	**nil**	70.9	74.1
			L_{90}	58.3	56.1	57.0	**nil**	**nil**	58.9	59.0	57.7	**nil**	**nil**	58.3	59.2
			L_{eq}	64.2	60.3	61.1	**nil**	**nil**	64.9	65.0	63.8	**nil**	**nil**	68.7	70.0
			L_{max}	81.0	69.2	71.4	**nil**	**nil**	84.1	72.1	71.1	**nil**	**nil**	87.6	90.3
		Evening	L_{10}	68.8	69.0	67.6	**nil**	**nil**	70.3	68.5	71.2	**nil**	**nil**	71.6	68.6
			L_{90}	60.4	57.4	57.0	**nil**	**nil**	60.8	57.9	61.1	**nil**	**nil**	61.5	61.6
			L_{eq}	65.8	66.1	65.2	**nil**	**nil**	67.7	64.1	68.3	**nil**	**nil**	67.7	66.4
			L_{max}	73.4	77.1	77.0	**nil**	**nil**	73.3	68.8	74.7	**nil**	**nil**	83.8	82.3
		Night	L_{10}	58.8	56.3	57.7	**nil**	**nil**	59.1	57.4	56.2	**nil**	**nil**	63.2	65.2
			L_{90}	52.2	53.1	53.3	**nil**	**nil**	53.0	52.2	51.8	**nil**	**nil**	54.6	56.2
			L_{eq}	56.2	54.2	54.7	**nil**	**nil**	56.4	55.7	55.2	**nil**	**nil**	59.8	61.0
			L_{max}	68.8	60.8	61.1	**nil**	**nil**	68.7	61.5	61.0	**nil**	**nil**	77.1	79.1
117	No. 36D, Sham Tseng San Tsuen, Tuen Mun, N.T.	Day	L_{10}	55.3	**nil**	**nil**	**nil**	**nil**	57.1	**nil**	**nil**	**nil**	**nil**	65.9	67.1
			L_{90}	52.4	**nil**	**nil**	**nil**	**nil**	54.7	**nil**	**nil**	**nil**	**nil**	57.3	56.9
			L_{eq}	54.0	**nil**	**nil**	**nil**	**nil**	56.0	**nil**	**nil**	**nil**	**nil**	60.8	61.9
			L_{max}	58.5	**nil**	**nil**	**nil**	**nil**	61.1	**nil**	**nil**	**nil**	**nil**	71.4	73.4
		Evening	L_{10}	60.4	**nil**	**nil**	**nil**	**nil**	61.4	**nil**	**nil**	**nil**	**nil**	62.0	61.7
			L_{90}	54.3	**nil**	**nil**	**nil**	**nil**	53.3	**nil**	**nil**	**nil**	**nil**	58.4	59.0
			L_{eq}	57.1	**nil**	**nil**	**nil**	**nil**	56.0	**nil**	**nil**	**nil**	**nil**	60.6	60.8
			L_{max}	73.3	**nil**	**nil**	**nil**	**nil**	69.1	**nil**	**nil**	**nil**	**nil**	64.1	63.9
		Night	L_{10}	59.7	**nil**	**nil**	**nil**	**nil**	58.7	**nil**	**nil**	**nil**	**nil**	66.9	62.0

			L_{90}	53.8	nil	nil	nil	nil	54.0	nil	nil	nil	nil	58.6	58.1
			L_{eq}	55.9	nil	nil	nil	nil	55.6	nil	nil	nil	nil	63.8	61.3
			L_{max}	63.4	nil	nil	nil	nil	65.8	nil	nil	nil	nil	70.1	75.8
118	7/F., Blk 15A, Laguna Verde, Hung Hom, Kowloon	Day	L_{10}	63.1	nil	nil	nil	nil	64.0	nil	nil	nil	nil	62.7	65.4
			L_{90}	55.3	nil	nil	nil	nil	55.9	nil	nil	nil	nil	59.0	59.3
			L_{eq}	60.6	nil	nil	nil	nil	61.0	nil	nil	nil	nil	62.0	63.1
			L_{max}	69.3	nil	nil	nil	nil	67.8	nil	nil	nil	nil	82.7	74.9
		Evening	L_{10}	65.4	nil	nil	nil	nil	68.3	nil	nil	nil	nil	62.9	65.0
			L_{90}	57.3	nil	nil	nil	nil	57.9	nil	nil	nil	nil	58.1	57.7
			L_{eq}	62.0	nil	nil	nil	nil	64.2	nil	nil	nil	nil	60.9	59.2
			L_{max}	72.4	nil	nil	nil	nil	71.9	nil	nil	nil	nil	69.9	67.5
		Night	L_{10}	56.1	nil	nil	nil	nil	59.3	nil	nil	nil	nil	62.8	63.1
			L_{90}	50.2	nil	nil	nil	nil	50.9	nil	nil	nil	nil	57.2	55.9
			L_{eq}	55.1	nil	nil	nil	nil	56.7	nil	nil	nil	nil	58.4	58.0
			L_{max}	66.2	nil	nil	nil	nil	73.1	nil	nil	nil	nil	66.5	65.8
119	No. 37, Pun Uk Tsuen, Lok Ma Chau, N.T.	Day	L_{10}	57.0	50.1	51.1	nil	nil	63.8	56.7	47.7	nil	nil	54.8	53.8
			L_{90}	46.6	32.2	32.4	nil	nil	38.8	38.8	39.6	nil	nil	43.9	42.6
			L_{eq}	56.1	46.1	47.8	nil	nil	58.1	50.7	42.1	nil	nil	53.8	50.9
			L_{max}	65.1	67.1	69.9	nil	nil	68.6	70.1	61.1	nil	nil	71.6	67.2
		Evening	L_{10}	71.7	68.3	70.0	nil	nil	71.6	71.4	70.7	nil	nil	60.0	58.2
			L_{90}	59.1	58.1	59.1	nil	nil	59.6	61.4	59.0	nil	nil	45.9	44.7
			L_{eq}	69.2	65.1	66.2	nil	nil	68.7	68.5	65.7	nil	nil	48.5	48.6
			L_{max}	88.1	73.5	74.8	nil	nil	89.8	79.4	76.5	nil	nil	77.8	69.2
		Night	L_{10}	44.3	52.7	50.6	nil	nil	47.1	50.6	51.1	nil	nil	54.5	52.2
			L_{90}	36.0	37.7	39.7	nil	nil	36.6	40.0	39.8	nil	nil	46.5	44.5
			L_{eq}	41.7	47.9	47.1	nil	nil	42.2	46.6	47.7	nil	nil	51.6	51.1
			L_{max}	60.6	64.9	57.4	nil	nil	62.2	55.3	59.0	nil	nil	58.6	73.8

120	No. 17, Kwu Tung Yin Liu District, Sheung Shui, N.T.	Day	L_{10}	65.2	73.8	73.7	nil	nil	64.3	73.1	74.8	nil	nil	57.9	57.2
			L_{90}	55.7	56.2	64.1	nil	nil	59.7	59.8	59.8	nil	nil	55.7	55.9
			L_{eq}	63.6	69.8	70.6	nil	nil	62.6	68.9	71.1	nil	nil	56.9	56.5
			L_{max}	84.4	84.6	77.7	nil	nil	66.5	76.5	77.9	nil	nil	70.0	66.7
		Evening	L_{10}	67.4	64.6	66.1	nil	nil	66.4	66.6	67.7	nil	nil	49.9	50.1
			L_{90}	56.4	57.8	57.2	nil	nil	56.7	58.9	58.1	nil	nil	43.8	44.3
			L_{eq}	63.5	62.0	62.6	nil	nil	63.0	63.1	64.4	nil	nil	47.3	47.9
			L_{max}	70.5	68.7	69.0	nil	nil	72.7	71.5	73.5	nil	nil	59.5	59.8
		Night	L_{10}	49.2	46.3	47.1	nil	nil	50.1	48.0	48.5	nil	nil	48.2	48.4
			L_{90}	42.3	43.0	43.3	nil	nil	43.2	44.4	45.3	nil	nil	45.6	45.3
			L_{eq}	46.7	44.8	46.0	nil	nil	47.7	46.6	47.2	nil	nil	47.2	47.1
			L_{max}	55.6	50.7	52.4	nil	nil	58.1	53.4	56.1	nil	nil	59.0	60.1
121	No. 20D, lam tsuen, Tai Po, N.T.	Day	L_{10}	67.9	66.9	nil	nil	nil	69.2	69.8	nil	nil	nil	76.4	78.6
			L_{90}	52.9	53.1	nil	nil	nil	53.5	54.2	nil	nil	nil	57.3	60.5
			L_{eq}	64.9	65.8	nil	nil	nil	65.8	66.1	nil	nil	nil	72.4	75.1
			L_{max}	81.5	78.0	nil	nil	nil	81.8	79.8	nil	nil	nil	84.3	88.3
		Evening	L_{10}	67.8	67.4	nil	nil	nil	66.9	68.3	nil	nil	nil	78.8	77.7
			L_{90}	52.6	52.1	nil	nil	nil	53.0	54.5	nil	nil	nil	57.5	56.5
			L_{eq}	65.0	64.6	nil	nil	nil	64.5	65.7	nil	nil	nil	74.5	73.3
			L_{max}	84.6	81.7	nil	nil	nil	81.0	80.4	nil	nil	nil	89.3	85.1
		Night	L_{10}	63.4	60.9	nil	nil	nil	63.9	62.1	nil	nil	nil	74.1	73.5
			L_{90}	51.0	50.1	nil	nil	nil	51.4	50.4	nil	nil	nil	58.4	60.1
			L_{eq}	60.7	59.8	nil	nil	nil	61.2	59.1	nil	nil	nil	70.1	69.7
			L_{max}	77.1	65.9	nil	nil	nil	70.4	66.7	nil	nil	nil	79.8	77.6
122	No. 48, 2/F, Ng Tung Chai Tsuen, Tai Po, N.T.	Day	L_{10}	53.2	46.1	50.9	nil	nil	51.1	46.8	47.2	nil	nil	48.5	49.3
			L_{90}	41.8	41.3	40.2	nil	nil	42.2	41.0	41.0	nil	nil	46.4	47.1
			L_{eq}	51.9	44.5	48.4	nil	nil	48.6	45.3	45.5	nil	nil	47.8	48.9

			L_{max}	75.0	58.6	58.1	nil	nil	64.5	63.3	61.8	nil	nil	61.0	71.8
		Evening	L_{10}	56.6	52.8	51.6	nil	nil	56.1	54.0	53.1	nil	nil	52.1	54.4
			L_{90}	48.2	44.6	44.0	nil	nil	46.3	45.2	45.5	nil	nil	50.4	50.4
			L_{eq}	54.2	50.0	49.0	nil	nil	53.1	51.3	49.6	nil	nil	51.4	52.7
			L_{max}	71.5	56.3	56.4	nil	nil	66.0	63.0	60.7	nil	nil	64.1	64.9
		Night	L_{10}	57.0	51.7	54.0	nil	nil	51.0	54.8	55.5	nil	nil	52.8	52.8
			L_{90}	45.6	46.1	44.9	nil	nil	45.8	46.5	45.8	nil	nil	49.3	49.6
			L_{eq}	53.0	49.9	51.0	nil	nil	50.9	54.1	54.9	nil	nil	51.7	51.6
			L_{max}	63.4	64.1	68.0	nil	nil	64.4	75.1	74.8	nil	nil	69.1	66.3
123	No. 67, G/F., Sheung Tsuen San Tsuen, Shek Kong, N.T.	Day	L_{10}	48.8	nil	nil	nil	nil	48.9	nil	nil	nil	nil	53.0	54.1
			L_{90}	38.2	nil	nil	nil	nil	38.9	nil	nil	nil	nil	42.6	43.2
			L_{eq}	48.0	nil	nil	nil	nil	45.9	nil	nil	nil	nil	49.6	50.4
			L_{max}	63.7	nil	nil	nil	nil	63.7	nil	nil	nil	nil	67.2	63.2
		Evening	L_{10}	56.7	nil	nil	nil	nil	54.7	nil	nil	nil	nil	47.2	48.9
			L_{90}	48.5	nil	nil	nil	nil	45.5	nil	nil	nil	nil	44.1	44.0
			L_{eq}	54.6	nil	nil	nil	nil	51.7	nil	nil	nil	nil	46.5	46.5
			L_{max}	65.0	nil	nil	nil	nil	67.7	nil	nil	nil	nil	63.3	57.4
		Night	L_{10}	42.2	nil	nil	nil	nil	46.4	nil	nil	nil	nil	47.9	44.9
			L_{90}	36.9	nil	nil	nil	nil	37.4	nil	nil	nil	nil	42.7	41.7
			L_{eq}	40.9	nil	nil	nil	nil	42.6	nil	nil	nil	nil	43.1	43.8
			L_{max}	56.1	nil	nil	nil	nil	52.5	nil	nil	nil	nil	70.8	57.7
124	No. 39, Po lo che, Sai Kung, Kowloon	Day	L_{10}	68.5	70.1	nil	nil	nil	72.1	73.4	nil	nil	nil	61.0	54.4
			L_{90}	51.8	52.4	nil	nil	nil	52.0	52.9	nil	nil	nil	56.4	51.0
			L_{eq}	65.1	66.7	nil	nil	nil	71.2	69.4	nil	nil	nil	58.6	51.4
			L_{max}	84.1	77.9	nil	nil	nil	94.9	79.5	nil	nil	nil	80.0	70.4
		Evening	L_{10}	65.8	67.9	nil	nil	nil	64.9	68.6	nil	nil	nil	57.1	55.8
			L_{90}	53.9	54.2	nil	nil	nil	50.2	53.7	nil	nil	nil	51.2	51.0

			L_{eq}	64.3	65.1	nil	nil	nil	63.7	64.2	nil	nil	nil	54.7	53.6
			L_{max}	83.0	86.4	nil	nil	nil	78.7	79.6	nil	nil	nil	67.0	67.4
		Night	L_{10}	51.1	52.4	nil	nil	nil	48.8	51.0	nil	nil	nil	55.7	53.4
			L_{90}	46.9	45.8	nil	nil	nil	45.0	45.7	nil	nil	nil	50.0	48.6
			L_{eq}	47.1	46.9	nil	nil	nil	46.4	47.4	nil	nil	nil	53.5	51.4
			L_{max}	56.3	56.9	nil	nil	nil	51.6	55.8	nil	nil	nil	66.6	62.3
125	No. 23A, Sham Tseng Village, Tsuen Wan	Day	L_{10}	68.8	70.3	nil	nil	nil	68.7	68.3	nil	nil	nil	54.5	52.9
			L_{90}	56.8	55.6	nil	nil	nil	53.5	54.6	nil	nil	nil	46.5	46.7
			L_{eq}	68.1	66.5	nil	nil	nil	64.9	64.9	nil	nil	nil	52.9	50.5
			L_{max}	73.4	76.9	nil	nil	nil	75.7	73.6	nil	nil	nil	72.8	61.2
		Evening	L_{10}	69.1	66.5	nil	nil	nil	70.8	65.1	nil	nil	nil	52.4	52.0
			L_{90}	55.1	56.5	nil	nil	nil	56.1	58.0	nil	nil	nil	46.1	45.3
			L_{eq}	65.8	63.2	nil	nil	nil	67.4	62.5	nil	nil	nil	51.1	49.5
			L_{max}	75.1	75.0	nil	nil	nil	79.2	73.1	nil	nil	nil	68.8	59.8
		Night	L_{10}	66.7	67.7	nil	nil	nil	68.2	66.2	nil	nil	nil	52.8	51.9
			L_{90}	56.7	54.9	nil	nil	nil	55.0	51.2	nil	nil	nil	46.0	45.7
			L_{eq}	63.3	64.2	nil	nil	nil	64.9	63.0	nil	nil	nil	50.6	50.3
			L_{max}	71.8	73.2	nil	nil	nil	73.8	76.2	nil	nil	nil	61.0	60.8
126	No. 1, Yau Mei San Tsuen, Yuen Long, N.T.	Day	L_{10}	64.2	66.4	nil	nil	nil	66.7	67.4	nil	nil	nil	69.1	71.2
			L_{90}	53.3	54.7	nil	nil	nil	54.1	55.1	nil	nil	nil	61.0	62.1
			L_{eq}	61.0	62.1	nil	nil	nil	61.7	63.1	nil	nil	nil	65.8	66.2
			L_{max}	78.7	77.5	nil	nil	nil	71.4	74.1	nil	nil	nil	85.1	84.1
		Evening	L_{10}	64.1	66.7	nil	nil	nil	65.9	67.9	nil	nil	nil	69.6	70.1
			L_{90}	52.6	53.1	nil	nil	nil	52.9	53.5	nil	nil	nil	58.1	57.4
			L_{eq}	60.8	61.5	nil	nil	nil	61.4	62.9	nil	nil	nil	66.2	65.4
			L_{max}	80.9	77.9	nil	nil	nil	77.4	75.1	nil	nil	nil	77.3	79.1
		Night	L_{10}	63.6	64.7	nil	nil	nil	64.1	65.9	nil	nil	nil	66.6	66.9

			L_{90}	54.2	55.1	nil	nil	nil	54.9	53.9	nil	nil	nil	56.6	55.9
			L_{eq}	60.2	61.2	nil	nil	nil	60.0	61.9	nil	nil	nil	63.8	63.4
			L_{max}	72.3	78.4	nil	nil	nil	71.4	72.5	nil	nil	nil	82.0	81.0
127	G/F., Blk 17, Phase II, Leon Court, Yuen Long, N.T.	Day	L_{10}	66.2	63.6	nil	nil	nil	67.3	63.1	nil	nil	nil	63.9	64.1
			L_{90}	49.8	50.7	nil	nil	nil	56.7	56.0	nil	nil	nil	49.2	48.6
			L_{eq}	63.6	60.4	nil	nil	nil	61.5	60.7	nil	nil	nil	57.6	58.7
			L_{max}	68.6	71.0	nil	nil	nil	71.9	70.8	nil	nil	nil	75.2	80.5
		Evening	L_{10}	70.4	67.6	nil	nil	nil	69.8	68.9	nil	nil	nil	54.3	56.8
			L_{90}	49.8	51.6	nil	nil	nil	50.7	51.9	nil	nil	nil	47.4	47.3
			L_{eq}	66.1	64.1	nil	nil	nil	64.2	66.9	nil	nil	nil	51.3	50.6
			L_{max}	83.3	87.0	nil	nil	nil	74.4	79.1	nil	nil	nil	63.8	64.2
		Night	L_{10}	60.7	61.7	nil	nil	nil	59.9	59.2	nil	nil	nil	51.9	52.9
			L_{90}	55.0	54.4	nil	nil	nil	50.1	50.7	nil	nil	nil	46.4	46.1
			L_{eq}	58.7	58.8	nil	nil	nil	55.5	54.5	nil	nil	nil	48.5	49.0
			L_{max}	69.3	67.1	nil	nil	nil	72.7	73.4	nil	nil	nil	62.0	63.4
128	No. 2, 1/F., Sai Pin Wai, Yuen Long, N.T.	Day	L_{10}	68.5	71.2	nil	nil	nil	67.9	67.4	nil	nil	nil	65.6	67.4
			L_{90}	49.7	48.8	nil	nil	nil	48.7	49.8	nil	nil	nil	48.6	49.5
			L_{eq}	64.8	67.1	nil	nil	nil	63.6	62.9	nil	nil	nil	61.4	62.1
			L_{max}	78.0	79.9	nil	nil	nil	76.2	73.4	nil	nil	nil	73.4	74.1
		Evening	L_{10}	72.9	71.3	nil	nil	nil	69.7	69.1	nil	nil	nil	63.5	64.2
			L_{90}	50.1	59.0	nil	nil	nil	56.6	57.9	nil	nil	nil	47.9	48.1
			L_{eq}	68.5	67.6	nil	nil	nil	65.0	66.2	nil	nil	nil	59.6	60.1
			L_{max}	82.0	78.4	nil	nil	nil	78.5	75.7	nil	nil	nil	66.9	68.4
		Night	L_{10}	65.0	65.8	nil	nil	nil	65.0	63.5	nil	nil	nil	61.9	63.4
			L_{90}	48.9	47.6	nil	nil	nil	49.3	46.5	nil	nil	nil	54.1	53.1
			L_{eq}	61.2	60.6	nil	nil	nil	61.2	60.2	nil	nil	nil	58.4	57.9
			L_{max}	73.7	71.1	nil	nil	nil	72.8	77.1	nil	nil	nil	67.1	65.0

129	No. 27, G/F., Kam Tsin Wai, Kam Tin, N.T.	Day	L_{10}	63.6	65.0	**nil**	**nil**	**nil**	67.0	72.9	**nil**	**nil**	**nil**	64.2	64.1
			L_{90}	48.0	48.7	**nil**	**nil**	**nil**	48.3	83.7	**nil**	**nil**	**nil**	47.2	47.9
			L_{eq}	59.0	60.8	**nil**	**nil**	**nil**	63.7	68.7	**nil**	**nil**	**nil**	58.4	58.8
			L_{max}	70.7	77.5	**nil**	**nil**	**nil**	80.0	80.9	**nil**	**nil**	**nil**	70.1	69.9
		Evening	L_{10}	67.5	63.5	**nil**	**nil**	**nil**	66.0	54.7	**nil**	**nil**	**nil**	66.1	67.4
			L_{90}	48.6	48.2	**nil**	**nil**	**nil**	48.6	47.6	**nil**	**nil**	**nil**	47.1	47.3
			L_{eq}	63.8	59.2	**nil**	**nil**	**nil**	62.4	53.5	**nil**	**nil**	**nil**	57.9	58.5
			L_{max}	79.5	72.1	**nil**	**nil**	**nil**	80.7	72.2	**nil**	**nil**	**nil**	67.5	69.1
		Night	L_{10}	59.2	58.9	**nil**	**nil**	**nil**	57.2	56.6	**nil**	**nil**	**nil**	62.1	61.4
			L_{90}	48.1	58.4	**nil**	**nil**	**nil**	47.8	47.9	**nil**	**nil**	**nil**	46.4	46.0
			L_{eq}	54.9	54.6	**nil**	**nil**	**nil**	53.7	54.3	**nil**	**nil**	**nil**	56.5	56.0
			L_{max}	67.5	66.0	**nil**	**nil**	**nil**	67.7	70.6	**nil**	**nil**	**nil**	69.1	67.3
130	Rm 616, Oi Lai House, Yau Oi Estate, Tuen Mun	Day	L_{10}	72.4	76.4	**nil**	**nil**	**nil**	74.9	71.8	**nil**	**nil**	**nil**	65.1	66.4
			L_{90}	60.0	60.4	**nil**	**nil**	**nil**	61.9	55.6	**nil**	**nil**	**nil**	56.1	55.9
			L_{eq}	69.2	72.8	**nil**	**nil**	**nil**	71.6	67.8	**nil**	**nil**	**nil**	60.4	59.7
			L_{max}	84.8	87.0	**nil**	**nil**	**nil**	88.5	82.7	**nil**	**nil**	**nil**	70.1	69.8
		Evening	L_{10}	70.3	72.9	**nil**	**nil**	**nil**	73.0	73.7	**nil**	**nil**	**nil**	70.1	70.0
			L_{90}	57.0	56.3	**nil**	**nil**	**nil**	59.0	60.3	**nil**	**nil**	**nil**	57.1	56.8
			L_{eq}	66.6	68.7	**nil**	**nil**	**nil**	69.4	69.9	**nil**	**nil**	**nil**	61.0	61.7
			L_{max}	77.5	81.5	**nil**	**nil**	**nil**	82.8	81.0	**nil**	**nil**	**nil**	71.4	73.5
		Night	L_{10}	73.8	73.1	**nil**	**nil**	**nil**	74.8	72.7	**nil**	**nil**	**nil**	71.0	69.5
			L_{90}	60.9	59.8	**nil**	**nil**	**nil**	66.0	59.6	**nil**	**nil**	**nil**	59.1	58.7
			L_{eq}	69.9	70.3	**nil**	**nil**	**nil**	71.2	68.2	**nil**	**nil**	**nil**	62.4	63.1
			L_{max}	78.3	82.8	**nil**	**nil**	**nil**	84.4	82.5	**nil**	**nil**	**nil**	74.8	76.1
131	No. 33, 1/F., Yuen Kong Tsuen, Kam Tin, N.T.	Day	L_{10}	65.4	65.1	**nil**	**nil**	**nil**	64.2	65.1	**nil**	**nil**	**nil**	61.4	63.0
			L_{90}	50.8	50.9	**nil**	**nil**	**nil**	50.0	50.7	**nil**	**nil**	**nil**	52.9	52.6
			L_{eq}	62.3	61.9	**nil**	**nil**	**nil**	61.7	62.1	**nil**	**nil**	**nil**	58.4	59.8

			L_{max}	73.3	72.4	nil	nil	nil	77.2	69.8	nil	nil	nil	66.4	73.8
		Evening	L_{10}	66.2	67.1	nil	nil	nil	68.1	67.9	nil	nil	nil	57.6	59.3
			L_{90}	51.7	51.9	nil	nil	nil	51.6	51.9	nil	nil	nil	50.0	51.1
			L_{eq}	63.0	63.1	nil	nil	nil	64.5	63.9	nil	nil	nil	54.9	59.3
			L_{max}	77.6	75.4	nil	nil	nil	77.9	76.5	nil	nil	nil	64.3	79.3
		Night	L_{10}	71.9	70.0	nil	nil	nil	68.6	69.1	nil	nil	nil	60.9	64.9
			L_{90}	56.6	56.1	nil	nil	nil	53.2	52.9	nil	nil	nil	52.5	52.2
			L_{eq}	68.4	67.4	nil	nil	nil	64.2	63.8	nil	nil	nil	59.9	61.1
			L_{max}	81.0	79.4	nil	nil	nil	75.6	71.9	nil	nil	nil	81.3	71.0
132	No. 43C, G/F., Kam Tin San Tsuen, Kam Tin, N.T.	Day	L_{10}	78.5	69.9	nil	nil	nil	75.3	71.3	nil	nil	nil	66.4	65.1
			L_{90}	58.0	52.3	nil	nil	nil	57.3	55.7	nil	nil	nil	54.4	53.9
			L_{eq}	73.0	66.7	nil	nil	nil	71.2	67.3	nil	nil	nil	58.4	58.1
			L_{max}	86.4	82.9	nil	nil	nil	82.6	79.8	nil	nil	nil	71.4	71.0
		Evening	L_{10}	70.5	60.4	nil	nil	nil	70.0	68.1	nil	nil	nil	71.0	70.2
			L_{90}	51.6	52.0	nil	nil	nil	52.8	51.4	nil	nil	nil	53.5	54.1
			L_{eq}	66.5	64.8	nil	nil	nil	66.1	64.1	nil	nil	nil	63.4	63.8
			L_{max}	81.4	77.5	nil	nil	nil	80.7	72.9	nil	nil	nil	77.9	78.1
		Night	L_{10}	60.1	63.1	nil	nil	nil	64.4	66.4	nil	nil	nil	67.5	69.1
			L_{90}	46.1	46.9	nil	nil	nil	49.4	49.0	nil	nil	nil	47.8	47.3
			L_{eq}	56.3	57.3	nil	nil	nil	60.0	61.2	nil	nil	nil	61.8	62.3
			L_{max}	70.0	73.9	nil	nil	nil	71.4	74.1	nil	nil	nil	76.0	71.1
133	No. 61, 1/F., Sha Po Tsuen, Kam Tin, N.T.	Day	L_{10}	67.0	49.1	nil	nil	nil	56.0	52.4	nil	nil	nil	57.4	57.9
			L_{90}	41.5	40.7	nil	nil	nil	40.7	40.9	nil	nil	nil	41.7	42.1
			L_{eq}	64.9	46.9	nil	nil	nil	52.3	49.6	nil	nil	nil	51.4	51.7
			L_{max}	82.9	61.5	nil	nil	nil	75.1	65.7	nil	nil	nil	66.4	63.9
		Evening	L_{10}	56.0	56.3	nil	nil	nil	56.2	57.7	nil	nil	nil	59.1	60.1
			L_{90}	47.9	49.3	nil	nil	nil	48.5	49.4	nil	nil	nil	43.4	43.7

			L_{eq}	53.2	53.8	**nil**	**nil**	**nil**	53.5	54.9	**nil**	**nil**	**nil**	51.7	52.4
			L_{max}	59.6	63.8	**nil**	**nil**	**nil**	62.0	64.1	**nil**	**nil**	**nil**	67.5	66.1
		Night	L_{10}	51.0	51.9	**nil**	**nil**	**nil**	51.5	52.4	**nil**	**nil**	**nil**	61.4	61.9
			L_{90}	42.1	42.7	**nil**	**nil**	**nil**	43.1	42.7	**nil**	**nil**	**nil**	41.7	40.8
			L_{eq}	48.2	48.7	**nil**	**nil**	**nil**	50.8	50.2	**nil**	**nil**	**nil**	47.9	46.8
			L_{max}	62.0	61.8	**nil**	**nil**	**nil**	69.6	70.1	**nil**	**nil**	**nil**	63.9	64.7
134	No. 2, 1/F., Ha Yau Tin Tsuen, Yuen Long, N.T.	Day	L_{10}	68.9	69.4	**nil**	**nil**	**nil**	68.4	71.0	**nil**	**nil**	**nil**	67.9	68.6
			L_{90}	59.7	58.6	**nil**	**nil**	**nil**	58.9	57.9	**nil**	**nil**	**nil**	51.9	52.2
			L_{eq}	65.4	66.2	**nil**	**nil**	**nil**	64.8	67.0	**nil**	**nil**	**nil**	62.0	60.8
			L_{max}	74.5	76.1	**nil**	**nil**	**nil**	81.2	75.9	**nil**	**nil**	**nil**	74.4	76.1
		Evening	L_{10}	75.3	73.9	**nil**	**nil**	**nil**	74.5	72.1	**nil**	**nil**	**nil**	70.4	69.9
			L_{90}	54.3	53.6	**nil**	**nil**	**nil**	54.9	55.2	**nil**	**nil**	**nil**	47.1	49.2
			L_{eq}	72.7	70.8	**nil**	**nil**	**nil**	71.8	67.4	**nil**	**nil**	**nil**	64.9	67.3
			L_{max}	96.1	89.6	**nil**	**nil**	**nil**	90.9	85.0	**nil**	**nil**	**nil**	80.6	75.8
		Night	L_{10}	74.4	76.4	**nil**	**nil**	**nil**	72.1	77.8	**nil**	**nil**	**nil**	68.9	67.4
			L_{90}	51.2	53.1	**nil**	**nil**	**nil**	49.8	51.0	**nil**	**nil**	**nil**	48.4	48.9
			L_{eq}	70.5	71.2	**nil**	**nil**	**nil**	70.0	72.4	**nil**	**nil**	**nil**	63.9	64.4
			L_{max}	82.5	89.4	**nil**	**nil**	**nil**	81.2	87.4	**nil**	**nil**	**nil**	75.9	77.8
135	No 50, Sha Po Kong Tsuen, Lung Kwu Tan, Tuen Mun, N.T.	Day	L_{10}	68.7	65.6	65.7	**nil**	**nil**	65.3	64.7	65.4	**nil**	**nil**	68.9	59.9
			L_{90}	57.6	53.1	54.8	**nil**	**nil**	55.1	55.0	54.1	**nil**	**nil**	50.2	50.7
			L_{eq}	65.3	62.3	62.6	**nil**	**nil**	62.3	62.8	62.1	**nil**	**nil**	65.1	56.9
			L_{max}	77.2	67.6	72.1	**nil**	**nil**	72.5	71.7	68.7	**nil**	**nil**	80.9	71.0
		Evening	L_{10}	51.1	51.7	51.3	**nil**	**nil**	52.0	52.8	53.6	**nil**	**nil**	56.8	57.3
			L_{90}	47.0	47.7	48.1	**nil**	**nil**	47.7	48.1	48.7	**nil**	**nil**	49.3	48.4
			L_{eq}	49.8	51.2	49.7	**nil**	**nil**	50.2	50.7	52.4	**nil**	**nil**	53.8	53.7
			L_{max}	63.3	65.1	54.2	**nil**	**nil**	64.1	60.9	62.1	**nil**	**nil**	65.4	68.4
		Night	L_{10}	51.5	54.0	54.2	**nil**	**nil**	51.3	51.9	53.7	**nil**	**nil**	54.9	54.1

			L_{90}	47.2	48.3	48.4	nil	nil	47.2	47.7	48.8	nil	nil	48.9	48.0
			L_{eq}	50.0	51.8	51.9	nil	nil	49.6	51.2	52.1	nil	nil	51.7	51.2
			L_{max}	60.1	64.1	59.2	nil	nil	59.8	63.1	62.7	nil	nil	62.6	60.7
136	No. 30, 2/F., Wang Toi Shan San Tsuen, Shek Kong, N.T.	Day	L_{10}	62.3	63.9	nil	nil	nil	64.1	62.1	nil	nil	nil	56.7	57.3
			L_{90}	55.0	55.4	nil	nil	nil	56.1	55.6	nil	nil	nil	52.1	52.7
			L_{eq}	59.4	61.4	nil	nil	nil	61.6	59.7	nil	nil	nil	54.5	54.5
			L_{max}	72.2	75.6	nil	nil	nil	73.1	68.6	nil	nil	nil	67.8	68.8
		Evening	L_{10}	62.1	62.5	nil	nil	nil	62.8	60.8	nil	nil	nil	57.1	57.9
			L_{90}	55.5	54.4	nil	nil	nil	54.6	54.5	nil	nil	nil	47.8	48.4
			L_{eq}	59.9	58.9	nil	nil	nil	59.5	56.3	nil	nil	nil	53.1	52.4
			L_{max}	71.3	65.9	nil	nil	nil	71.9	69.2	nil	nil	nil	57.9	58.4
		Night	L_{10}	59.6	59.8	nil	nil	nil	57.9	60.2	nil	nil	nil	55.9	55.9
			L_{90}	52.6	55.8	nil	nil	nil	54.0	53.7	nil	nil	nil	53.2	52.8
			L_{eq}	54.8	54.1	nil	nil	nil	55.8	58.1	nil	nil	nil	55.0	54.8
			L_{max}	61.0	60.4	nil	nil	nil	73.8	68.7	nil	nil	nil	65.7	63.0
137	Rm 171A, So Kwun Wat Tsuen, Tuen Mun, N.T.	Day	L_{10}	65.4	72.1	nil	nil	nil	67.3	67.4	nil	nil	nil	53.6	55.7
			L_{90}	56.6	57.6	nil	nil	nil	57.4	56.8	nil	nil	nil	50.6	51.4
			L_{eq}	62.8	68.9	nil	nil	nil	65.3	66.3	nil	nil	nil	52.7	54.6
			L_{max}	76.5	83.9	nil	nil	nil	86.5	83.7	nil	nil	nil	66.3	71.5
		Evening	L_{10}	61.9	65.9	nil	nil	nil	62.0	61.7	nil	nil	nil	54.2	56.3
			L_{90}	55.9	56.3	nil	nil	nil	55.3	55.4	nil	nil	nil	50.9	50.6
			L_{eq}	59.1	62.2	nil	nil	nil	59.7	59.7	nil	nil	nil	52.8	56.1
			L_{max}	68.4	74.7	nil	nil	nil	76.3	72.7	nil	nil	nil	59.8	77.9
		Night	L_{10}	62.4	63.2	nil	nil	nil	61.8	63.8	nil	nil	nil	57.1	54.9
			L_{90}	55.6	55.6	nil	nil	nil	55.5	57.1	nil	nil	nil	49.7	49.2
			L_{eq}	59.4	59.4	nil	nil	nil	59.1	61.4	nil	nil	nil	51.4	51.9
			L_{max}	72.6	69.4	nil	nil	nil	69.5	75.5	nil	nil	nil	59.9	60.7

138	No. 74, 1/F., San Lung Wai, Shek Kong, N.T.	Day	L_{10}	69.9	73.9	nil	nil	nil	67.4	66.0	nil	nil	nil	62.1	62.6
			L_{90}	47.3	54.0	nil	nil	nil	49.9	51.3	nil	nil	nil	51.5	50.7
			L_{eq}	66.0	68.0	nil	nil	nil	58.9	62.0	nil	nil	nil	58.9	58.7
			L_{max}	80.9	84.1	nil	nil	nil	74.7	73.0	nil	nil	nil	67.9	67.7
		Evening	L_{10}	62.8	61.6	nil	nil	nil	58.4	56.9	nil	nil	nil	61.7	62.3
			L_{90}	50.8	51.3	nil	nil	nil	49.8	50.4	nil	nil	nil	49.5	49.8
			L_{eq}	59.1	58.2	nil	nil	nil	55.0	54.4	nil	nil	nil	57.4	57.1
			L_{max}	69.4	70.7	nil	nil	nil	66.1	64.1	nil	nil	nil	65.4	67.1
		Night	L_{10}	57.7	57.3	nil	nil	nil	61.5	58.1	nil	nil	nil	60.3	62.1
			L_{90}	49.6	49.9	nil	nil	nil	50.0	47.9	nil	nil	nil	44.4	49.4
			L_{eq}	54.9	54.4	nil	nil	nil	57.7	54.3	nil	nil	nil	55.6	57.8
			L_{max}	65.1	68.4	nil	nil	nil	66.7	66.8	nil	nil	nil	66.0	68.3
139	No. 36, 1/F, Yue Kok Village, Tai Po, N.T.	Day	L_{10}	68.6	67.6	nil	nil	nil	65.4	66.2	nil	nil	nil	65.5	61.2
			L_{90}	56.1	57.7	nil	nil	nil	56.0	56.9	nil	nil	nil	53.4	51.2
			L_{eq}	65.1	64.1	nil	nil	nil	61.4	63.2	nil	nil	nil	61.1	57.4
			L_{max}	73.8	74.3	nil	nil	nil	77.3	72.5	nil	nil	nil	72.1	67.1
		Evening	L_{10}	64.6	67.1	nil	nil	nil	66.4	66.5	nil	nil	nil	61.8	62.0
			L_{90}	44.2	45.5	nil	nil	nil	43.1	47.6	nil	nil	nil	52.8	51.4
			L_{eq}	61.6	63.2	nil	nil	nil	62.5	59.7	nil	nil	nil	57.7	58.7
			L_{max}	80.5	77.2	nil	nil	nil	77.8	75.6	nil	nil	nil	67.1	72.5
		Night	L_{10}	62.2	61.9	nil	nil	nil	62.0	61.4	nil	nil	nil	61.7	63.7
			L_{90}	54.0	53.4	nil	nil	nil	53.9	53.0	nil	nil	nil	52.9	54.9
			L_{eq}	60.1	59.8	nil	nil	nil	59.1	58.9	nil	nil	nil	58.5	60.2
			L_{max}	69.7	67.7	nil	nil	nil	67.1	66.4	nil	nil	nil	69.0	69.4
140	No. 23, G/F., Ha Hang Village, Tai Po, N.T.	Day	L_{10}	60.4	60.5	nil	nil	nil	58.1	60.8	nil	nil	nil	62.5	63.1
			L_{90}	50.4	50.0	nil	nil	nil	49.8	50.1	nil	nil	nil	47.4	48.0
			L_{eq}	56.8	56.8	nil	nil	nil	54.7	57.1	nil	nil	nil	58.4	57.9

			L_{max}	66.9	67.7	nil	nil	nil	68.5	66.9	nil	nil	nil	69.4	69.1
		Evening	L_{10}	65.0	64.5	nil	nil	nil	62.5	65.7	nil	nil	nil	64.1	63.9
			L_{90}	55.6	53.9	nil	nil	nil	53.5	56.6	nil	nil	nil	50.4	50.1
			L_{eq}	62.5	61.3	nil	nil	nil	59.6	62.4	nil	nil	nil	57.5	57.3
			L_{max}	71.2	73.2	nil	nil	nil	67.3	72.4	nil	nil	nil	67.4	68.1
		Night	L_{10}	67.7	70.8	nil	nil	nil	72.0	70.6	nil	nil	nil	60.1	59.7
			L_{90}	57.1	58.6	nil	nil	nil	58.5	59.6	nil	nil	nil	47.1	46.4
			L_{eq}	64.5	67.0	nil	nil	nil	68.0	67.0	nil	nil	nil	51.4	51.6
			L_{max}	75.0	77.1	nil	nil	nil	80.2	76.0	nil	nil	nil	62.4	63.0
141	No. 82, Nam Hang Tsuen, Tai Po, N.T.	Day	L_{10}	60.8	60.6	nil	nil	nil	64.3	61.0	nil	nil	nil	56.6	57.9
			L_{90}	48.5	48.5	nil	nil	nil	49.6	50.0	nil	nil	nil	50.1	49.9
			L_{eq}	58.2	58.6	nil	nil	nil	58.4	58.3	nil	nil	nil	51.5	51.7
			L_{max}	76.2	76.1	nil	nil	nil	77.0	74.9	nil	nil	nil	66.4	68.7
		Evening	L_{10}	67.9	69.1	nil	nil	nil	70.6	68.9	nil	nil	nil	56.1	57.0
			L_{90}	53.8	53.9	nil	nil	nil	57.3	58.6	nil	nil	nil	48.4	48.1
			L_{eq}	65.0	65.3	nil	nil	nil	67.2	65.7	nil	nil	nil	50.3	50.1
			L_{max}	74.7	73.7	nil	nil	nil	75.6	75.4	nil	nil	nil	64.2	65.1
		Night	L_{10}	66.6	65.7	nil	nil	nil	65.1	61.9	nil	nil	nil	54.1	56.5
			L_{90}	56.3	56.6	nil	nil	nil	46.3	45.3	nil	nil	nil	45.6	46.1
			L_{eq}	63.5	62.8	nil	nil	nil	61.4	59.8	nil	nil	nil	49.1	48.9
			L_{max}	71.0	70.2	nil	nil	nil	69.0	68.4	nil	nil	nil	66.1	67.0
142	No. 65, G/F., Tsing Lung Tsuen, San Tin, Mai Po, N.T.	Day	L_{10}	65.2	67.6	nil	nil	nil	64.4	67.7	nil	nil	nil	63.1	64.3
			L_{90}	54.0	55.4	nil	nil	nil	51.5	53.4	nil	nil	nil	60.5	59.4
			L_{eq}	62.8	63.4	nil	nil	nil	61.7	62.9	nil	nil	nil	61.8	62.3
			L_{max}	82.1	77.9	nil	nil	nil	77.4	74.1	nil	nil	nil	66.0	70.7
		Evening	L_{10}	62.3	63.4	nil	nil	nil	62.7	63.7	nil	nil	nil	63.7	64.0
			L_{90}	51.5	52.1	nil	nil	nil	51.9	52.1	nil	nil	nil	60.8	60.8

			L_{eq}	58.7	57.7	nil	nil	nil	59.4	59.0	nil	nil	nil	62.5	62.7
			L_{max}	78.2	79.1	nil	nil	nil	76.1	77.0	nil	nil	nil	67.1	69.5
		Night	L_{10}	67.1	69.7	nil	nil	nil	68.4	70.1	nil	nil	nil	63.2	63.4
			L_{90}	52.0	52.9	nil	nil	nil	52.4	53.1	nil	nil	nil	59.5	59.1
			L_{eq}	64.7	65.1	nil	nil	nil	64.1	63.9	nil	nil	nil	61.9	60.8
			L_{max}	80.8	74.7	nil	nil	nil	77.4	76.5	nil	nil	nil	68.7	66.9
143	Unit H, 3/F, Blk 1, Scenic View, Ngau Chi Wan	Day	L_{10}	50.2	nil	nil	nil	nil	51.2	nil	nil	nil	nil	58.6	59.1
			L_{90}	37.0	nil	nil	nil	nil	35.5	nil	nil	nil	nil	47.3	46.5
			L_{eq}	46.9	nil	nil	nil	nil	47.1	nil	nil	nil	nil	54.9	53.4
			L_{max}	62.1	nil	nil	nil	nil	59.8	nil	nil	nil	nil	67.9	61.7
		Evening	L_{10}	47.4	nil	nil	nil	nil	49.2	nil	nil	nil	nil	53.9	56.6
			L_{90}	35.4	nil	nil	nil	nil	36.0	nil	nil	nil	nil	48.2	47.8
			L_{eq}	43.8	nil	nil	nil	nil	44.2	nil	nil	nil	nil	50.6	51.3
			L_{max}	58.9	nil	nil	nil	nil	60.1	nil	nil	nil	nil	59.3	60.4
		Night	L_{10}	49.4	nil	nil	nil	nil	50.1	nil	nil	nil	nil	54.4	56.0
			L_{90}	35.0	nil	nil	nil	nil	35.4	nil	nil	nil	nil	48.1	47.7
			L_{eq}	45.9	nil	nil	nil	nil	48.1	nil	nil	nil	nil	51.3	49.9
			L_{max}	60.0	nil	nil	nil	nil	60.7	nil	nil	nil	nil	56.9	56.6
144	NO. 28A, Tuen Mun San Tsuen, Lam Tei, Tuen Mun, N.T.	Day	L_{10}	68.7	68.6	nil	nil	nil	70.4	69.1	nil	nil	nil	53.7	53.0
			L_{90}	55.3	53.9	nil	nil	nil	56.3	50.8	nil	nil	nil	46.2	46.7
			L_{eq}	64.9	65.4	nil	nil	nil	66.5	65.0	nil	nil	nil	50.9	50.4
			L_{max}	73.5	72.4	nil	nil	nil	76.5	75.6	nil	nil	nil	57.6	60.1
		Evening	L_{10}	67.6	66.1	nil	nil	nil	68.1	68.7	nil	nil	nil	53.6	53.3
			L_{90}	51.8	49.2	nil	nil	nil	51.4	50.3	nil	nil	nil	47.8	48.8
			L_{eq}	64.3	63.1	nil	nil	nil	64.8	64.6	nil	nil	nil	51.1	51.5
			L_{max}	77.4	70.0	nil	nil	nil	75.5	73.6	nil	nil	nil	60.0	59.8
		Night	L_{10}	69.2	68.4	nil	nil	nil	68.1	68.7	nil	nil	nil	53.5	56.4

			L_{90}	54.7	53.0	nil	nil	nil	51.4	50.3	nil	nil	nil	48.1	48.7
			L_{eq}	68.2	64.5	nil	nil	nil	64.8	64.6	nil	nil	nil	51.2	53.7
			L_{max}	74.0	74.8	nil	nil	nil	77.1	73.0	nil	nil	nil	59.0	68.2
145	No. 40, G/F., Shek Kwu Lung, Tai Po, N.T.	Day	L_{10}	76.5	70.3	nil	nil	nil	73.2	73.0	nil	nil	nil	54.7	53.9
			L_{90}	50.5	48.4	nil	nil	nil	53.9	58.0	nil	nil	nil	48.1	48.5
			L_{eq}	72.0	65.9	nil	nil	nil	70.1	69.5	nil	nil	nil	51.5	50.9
			L_{max}	85.4	77.2	nil	nil	nil	85.9	82.8	nil	nil	nil	58.9	57.2
		Evening	L_{10}	67.3	71.6	nil	nil	nil	72.9	71.1	nil	nil	nil	54.3	52.9
			L_{90}	46.4	50.5	nil	nil	nil	57.1	52.1	nil	nil	nil	47.8	47.5
			L_{eq}	63.9	67.3	nil	nil	nil	71.9	67.1	nil	nil	nil	51.4	50.3
			L_{max}	78.5	78.9	nil	nil	nil	90.1	81.0	nil	nil	nil	65.5	64.4
		Night	L_{10}	69.0	71.7	nil	nil	nil	67.5	69.2	nil	nil	nil	53.2	52.3
			L_{90}	51.9	49.5	nil	nil	nil	51.1	53.9	nil	nil	nil	48.5	47.9
			L_{eq}	65.1	68.7	nil	nil	nil	66.2	66.7	nil	nil	nil	51.5	50.9
			L_{max}	79.8	85.2	nil	nil	nil	76.6	81.3	nil	nil	nil	63.2	61.9
146	7G, Wu Tip Shan Village, Fanling	Day	L_{10}	68.5	69.2	69.7	nil	nil	76.4	69.1	69.0	nil	nil	74.0	73.4
			L_{90}	55.6	55.9	56.7	nil	nil	57.5	56.3	57.0	nil	nil	68.2	67.3
			L_{eq}	66.8	67.9	69.8	nil	nil	70.6	59.3	67.9	nil	nil	71.6	71.0
			L_{max}	86.1	84.2	87.7	nil	nil	96.5	89.9	90.9	nil	nil	84.6	82.7
		Evening	L_{10}	72.2	69.9	70.2	nil	nil	69.3	70.1	71.0	nil	nil	73.6	73.8
			L_{90}	59.4	58.9	59.7	nil	nil	58.6	57.9	58.6	nil	nil	67.0	67.0
			L_{eq}	69.6	69.4	70.1	nil	nil	67.2	67.4	67.1	nil	nil	71.1	71.2
			L_{max}	91.8	88.9	87.1	nil	nil	86.7	86.4	85.9	nil	nil	83.2	88.2
		Night	L_{10}	53.3	53.1	52.9	nil	nil	53.3	53.4	53.7	nil	nil	71.8	71.1
			L_{90}	51.7	51.2	51.4	nil	nil	51.9	51.1	52.1	nil	nil	64.2	63.8
			L_{eq}	52.6	52.4	52.9	nil	nil	52.6	52.7	52.1	nil	nil	69.0	69.0
			L_{max}	63.8	64.2	64.4	nil	nil	57.9	59.1	60.1	nil	nil	80.0	90.9

147	No. 120, 2/F., Shui Tsiu Lo Wai, Tai Tong, N.T.	Day	L_{10}	74.6	74.0	74.4	nil	nil	73.5	73.1	73.9	nil	nil	58.3	57.7
			L_{90}	57.2	57.4	57.9	nil	nil	58.1	58.2	58.5	nil	nil	52.0	51.9
			L_{eq}	72.2	72.4	72.1	nil	nil	69.8	70.1	71.2	nil	nil	56.7	55.3
			L_{max}	93.3	91.7	90.5	nil	nil	87.1	90.3	81.0	nil	nil	85.6	69.1
		Evening	L_{10}	78.9	77.4	77.7	nil	nil	73.7	73.5	72.7	nil	nil	58.1	58.4
			L_{90}	63.1	62.9	63.4	nil	nil	61.8	61.8	62.2	nil	nil	53.5	53.4
			L_{eq}	77.0	76.7	76.1	nil	nil	73.5	73.4	73.1	nil	nil	56.2	56.4
			L_{max}	99.6	90.9	91.8	nil	nil	97.3	96.7	90.1	nil	nil	67.6	72.1
		Night	L_{10}	56.7	56.0	57.1	nil	nil	55.8	55.4	57.0	nil	nil	53.9	53.8
			L_{90}	54.1	54.3	54.9	nil	nil	53.6	53.9	54.0	nil	nil	47.5	46.5
			L_{eq}	55.5	55.1	56.0	nil	nil	54.9	55.8	56.1	nil	nil	51.6	50.9
			L_{max}	68.3	68.1	69.0	nil	nil	70.5	70.4	70.1	nil	nil	64.3	63.2
148	No. 67, Fuk Hing Tsuen, Yuen Long, N.T.	Day	L_{10}	64.1	58.8	nil	nil	nil	60.9	61.4	nil	nil	nil	52.4	52.1
			L_{90}	38.3	39.2	nil	nil	nil	39.7	38.2	nil	nil	nil	47.3	47.9
			L_{eq}	59.8	57.7	nil	nil	nil	56.1	58.0	nil	nil	nil	50.5	50.2
			L_{max}	79.2	69.4	nil	nil	nil	70.1	74.1	nil	nil	nil	59.4	59.1
		Evening	L_{10}	53.3	55.0	nil	nil	nil	53.1	56.1	nil	nil	nil	52.4	54.7
			L_{90}	42.5	43.4	nil	nil	nil	41.1	40.7	nil	nil	nil	48.3	48.1
			L_{eq}	50.2	51.8	nil	nil	nil	49.5	50.0	nil	nil	nil	50.0	50.5
			L_{max}	66.5	63.8	nil	nil	nil	66.1	64.2	nil	nil	nil	56.2	58.9
		Night	L_{10}	53.4	53.1	nil	nil	nil	54.2	53.5	nil	nil	nil	53.0	57.8
			L_{90}	40.8	41.2	nil	nil	nil	41.1	40.8	nil	nil	nil	47.6	47.9
			L_{eq}	48.4	48.9	nil	nil	nil	48.6	49.1	nil	nil	nil	50.8	50.1
			L_{max}	61.9	62.4	nil	nil	nil	63.4	62.9	nil	nil	nil	60.2	59.8
149	No. 196, Tai Kong Po, Kam Tin, N.T.	Day	L_{10}	62.1	62.4	63.0	nil	nil	61.9	62.5	62.1	nil	nil	66.5	65.7
			L_{90}	56.9	56.9	56.8	nil	nil	56.8	57.1	56.4	nil	nil	61.2	60.5
			L_{eq}	59.9	60.1	59.8	nil	nil	59.7	59.5	60.0	nil	nil	64.2	63.4

			L_{max}	76.9	73.4	72.1	nil	nil	70.7	74.4	72.9	nil	nil	71.4	70.8
		Evening	L_{10}	58.8	60.1	61.0	nil	nil	59.6	60.4	60.8	nil	nil	63.9	63.8
			L_{90}	53.1	53.6	53.4	nil	nil	53.3	53.7	54.0	nil	nil	59.5	58.8
			L_{eq}	58.6	59.0	59.3	nil	nil	57.3	58.9	59.1	nil	nil	62.0	61.8
			L_{max}	85.7	75.6	71.9	nil	nil	74.7	74.1	72.4	nil	nil	74.6	75.6
		Night	L_{10}	57.2	57.9	58.3	nil	nil	56.7	58.1	57.1	nil	nil	62.8	62.1
			L_{90}	51.4	51.0	50.9	nil	nil	52.1	51.3	51.0	nil	nil	46.6	56.0
			L_{eq}	54.9	54.3	54.7	nil	nil	54.9	54.7	54.7	nil	nil	60.2	60.1
			L_{max}	64.3	65.6	65.1	nil	nil	66.0	65.1	66.3	nil	nil	69.1	78.8
150	No. 135, Tong Yan San Tsuen, Pang Shan, Yuen Long, N.T.	Day	L_{10}	65.0	60.9	nil	nil	nil	66.0	61.2	nil	nil	nil	54.0	56.2
			L_{90}	52.4	47.8	nil	nil	nil	52.1	47.9	nil	nil	nil	48.6	49.0
			L_{eq}	61.9	57.2	nil	nil	nil	61.4	58.0	nil	nil	nil	50.8	51.1
			L_{max}	76.5	75.7	nil	nil	nil	77.1	74.1	nil	nil	nil	60.2	61.4
		Evening	L_{10}	58.6	60.2	nil	nil	nil	58.3	59.1	nil	nil	nil	57.1	57.3
			L_{90}	47.1	47.0	nil	nil	nil	43.4	42.7	nil	nil	nil	50.7	49.7
			L_{eq}	55.3	56.5	nil	nil	nil	54.1	53.7	nil	nil	nil	54.8	53.9
			L_{max}	64.9	67.8	nil	nil	nil	62.9	61.4	nil	nil	nil	65.5	66.8
		Night	L_{10}	55.7	57.6	nil	nil	nil	55.5	56.9	nil	nil	nil	53.8	53.4
			L_{90}	42.4	45.7	nil	nil	nil	49.0	47.9	nil	nil	nil	47.6	46.6
			L_{eq}	52.2	54.2	nil	nil	nil	52.8	53.0	nil	nil	nil	50.5	50.9
			L_{max}	65.1	63.3	nil	nil	nil	64.2	63.6	nil	nil	nil	57.8	61.0
151	No. 65, G/F., Tsing Lung Tsuen, San Tin, Mai Po, N.T.	Day	L_{10}	66.9	62.9	nil	nil	nil	67.1	66.1	nil	nil	nil	55.5	55.9
			L_{90}	42.7	43.0	nil	nil	nil	43.9	43.7	nil	nil	nil	48.2	48.9
			L_{eq}	63.6	61.9	nil	nil	nil	64.4	63.9	nil	nil	nil	52.1	53.0
			L_{max}	82.2	82.1	nil	nil	nil	87.1	79.1	nil	nil	nil	68.9	66.6
		Evening	L_{10}	55.8	61.2	nil	nil	nil	63.3	63.9	nil	nil	nil	59.1	59.6
			L_{90}	40.7	44.7	nil	nil	nil	51.1	51.8	nil	nil	nil	49.7	49.3

			L_{eq}	51.5	56.7	nil	nil	nil	59.8	60.1	nil	nil	nil	57.5	57.1
			L_{max}	64.4	67.2	nil	nil	nil	71.1	72.5	nil	nil	nil	69.5	68.0
		Night	L_{10}	62.2	63.1	nil	nil	nil	60.1	60.0	nil	nil	nil	54.6	52.7
			L_{90}	48.6	50.4	nil	nil	nil	47.1	46.9	nil	nil	nil	47.5	48.1
			L_{eq}	59.4	59.8	nil	nil	nil	59.1	58.9	nil	nil	nil	50.0	50.9
			L_{max}	76.1	74.0	nil	nil	nil	75.3	71.0	nil	nil	nil	69.4	62.6
152	No. 55, Yuen Leng, Tai Po, N.T.	Day	L_{10}	54.8	58.5	nil	nil	nil	55.5	56.1	nil	nil	nil	56.8	56.0
			L_{90}	37.0	41.1	nil	nil	nil	40.3	38.4	nil	nil	nil	49.2	49.3
			L_{eq}	52.9	54.1	nil	nil	nil	51.6	51.2	nil	nil	nil	53.5	54.3
			L_{max}	72.5	67.1	nil	nil	nil	66.4	63.4	nil	nil	nil	59.1	59.5
		Evening	L_{10}	55.4	51.6	nil	nil	nil	56.4	61.2	nil	nil	nil	53.7	53.2
			L_{90}	40.0	41.8	nil	nil	nil	39.8	42.8	nil	nil	nil	47.7	48.0
			L_{eq}	53.5	51.2	nil	nil	nil	50.7	51.9	nil	nil	nil	50.1	50.4
			L_{max}	70.4	67.8	nil	nil	nil	66.4	67.5	nil	nil	nil	60.5	59.3
		Night	L_{10}	55.1	52.1	nil	nil	nil	53.4	52.9	nil	nil	nil	55.8	54.6
			L_{90}	42.0	38.6	nil	nil	nil	40.9	41.5	nil	nil	nil	49.6	48.3
			L_{eq}	51.9	50.1	nil	nil	nil	49.7	53.5	nil	nil	nil	50.9	50.8
			L_{max}	69.4	64.6	nil	nil	nil	62.9	61.4	nil	nil	nil	61.4	56.9
153	No. 8A, Lai Chi Shan, Tai Po, N.T.	Day	L_{10}	67.8	67.2	nil	nil	nil	68.4	68.6	nil	nil	nil	59.4	60.0
			L_{90}	53.5	55.8	nil	nil	nil	54.5	56.9	nil	nil	nil	49.6	51.4
			L_{eq}	64.0	63.8	nil	nil	nil	64.2	65.1	nil	nil	nil	57.4	58.4
			L_{max}	74.2	73.4	nil	nil	nil	73.1	73.3	nil	nil	nil	66.7	65.1
		Evening	L_{10}	59.9	56.3	nil	nil	nil	59.9	57.1	nil	nil	nil	56.2	57.4
			L_{90}	52.5	52.1	nil	nil	nil	52.1	51.7	nil	nil	nil	49.4	49.0
			L_{eq}	57.3	54.4	nil	nil	nil	56.8	54.8	nil	nil	nil	51.9	51.7
			L_{max}	70.1	67.3	nil	nil	nil	69.8	64.6	nil	nil	nil	58.6	59.8
		Night	L_{10}	59.3	59.8	nil	nil	nil	59.8	59.0	nil	nil	nil	52.6	52.9

			L_{90}	51.1	50.4	nil	nil	nil	52.3	50.1	nil	nil	nil	48.4	49.5
			L_{eq}	56.1	57.1	nil	nil	nil	56.6	56.6	nil	nil	nil	51.1	50.4
			L_{max}	70.0	68.5	nil	nil	nil	67.0	62.5	nil	nil	nil	60.1	55.3
154	No. 23, Fraser Village, Yuen Long, N.T.	Day	L_{10}	60.3	58.4	58.9	nil	nil	54.2	57.9	58.1	nil	nil	68.8	68.0
			L_{90}	46.9	46.5	46.9	nil	nil	47.4	46.8	46.7	nil	nil	63.7	63.3
			L_{eq}	57.9	57.4	57.6	nil	nil	52.6	53.9	54.4	nil	nil	66.8	65.9
			L_{max}	77.6	77.3	70.1	nil	nil	76.2	72.1	70.7	nil	nil	81.3	79.7
		Evening	L_{10}	57.2	58.0	57.5	nil	nil	54.6	57.1	57.4	nil	nil	64.8	64.5
			L_{90}	48.6	47.2	46.9	nil	nil	43.6	46.3	47.1	nil	nil	58.9	58.9
			L_{eq}	54.6	55.1	55.3	nil	nil	53.5	54.4	56.0	nil	nil	62.5	62.1
			L_{max}	68.0	67.4	67.9	nil	nil	83.2	68.1	68.2	nil	nil	78.2	72.9
		Night	L_{10}	47.2	47.4	48.0	nil	nil	46.7	47.9	48.1	nil	nil	62.9	62.3
			L_{90}	40.4	39.8	40.1	nil	nil	38.8	40.3	40.8	nil	nil	57.8	56.4
			L_{eq}	44.9	44.7	44.8	nil	nil	44.1	44.3	44.3	nil	nil	60.8	60.3
			L_{max}	63.9	61.7	60.0	nil	nil	50.7	58.0	59.1	nil	nil	71.6	75.6
155	No. 77, Fo Tan Village, Fo Tan, N.T.	Day	L_{10}	64.9	59.0	nil	nil	nil	62.6	63.1	nil	nil	nil	66.5	64.1
			L_{90}	50.3	49.0	nil	nil	nil	49.1	49.0	nil	nil	nil	51.9	53.8
			L_{eq}	61.5	53.6	nil	nil	nil	59.9	59.6	nil	nil	nil	59.3	58.4
			L_{max}	71.0	65.5	nil	nil	nil	64.1	70.0	nil	nil	nil	68.8	69.4
		Evening	L_{10}	59.1	58.5	nil	nil	nil	63.1	59.7	nil	nil	nil	57.7	56.9
			L_{90}	48.6	49.3	nil	nil	nil	48.4	48.3	nil	nil	nil	47.9	48.1
			L_{eq}	56.4	53.9	nil	nil	nil	57.1	59.1	nil	nil	nil	55.1	54.7
			L_{max}	75.5	67.7	nil	nil	nil	75.7	72.0	nil	nil	nil	61.9	68.0
		Night	L_{10}	62.7	61.0	nil	nil	nil	61.4	60.9	nil	nil	nil	52.1	52.4
			L_{90}	48.3	48.5	nil	nil	nil	49.8	48.9	nil	nil	nil	47.8	47.5
			L_{eq}	59.2	57.9	nil	nil	nil	58.0	56.9	nil	nil	nil	50.9	50.4
			L_{max}	74.6	70.8	nil	nil	nil	71.8	71.0	nil	nil	nil	56.0	57.8

156	No. 34, Kwai Tei New Village, Fo Tan, N.T.	Day	L_{10}	67.2	63.7	**nil**	**nil**	**nil**	67.9	66.1	**nil**	**nil**	**nil**	55.7	54.3
			L_{90}	46.9	44.4	**nil**	**nil**	**nil**	46.1	43.3	**nil**	**nil**	**nil**	48.7	48.8
			L_{eq}	67.0	59.0	**nil**	**nil**	**nil**	62.0	61.1	**nil**	**nil**	**nil**	53.0	53.2
			L_{max}	76.4	74.4	**nil**	**nil**	**nil**	74.7	74.1	**nil**	**nil**	**nil**	58.4	59.9
		Evening	L_{10}	61.5	66.0	**nil**	**nil**	**nil**	63.1	65.2	**nil**	**nil**	**nil**	52.5	53.4
			L_{90}	42.4	44.6	**nil**	**nil**	**nil**	42.6	45.0	**nil**	**nil**	**nil**	49.0	48.7
			L_{eq}	57.8	61.2	**nil**	**nil**	**nil**	59.1	61.5	**nil**	**nil**	**nil**	50.9	51.3
			L_{max}	71.7	71.9	**nil**	**nil**	**nil**	74.1	73.1	**nil**	**nil**	**nil**	56.0	57.9
		Night	L_{10}	68.6	73.1	**nil**	**nil**	**nil**	68.9	72.0	**nil**	**nil**	**nil**	55.2	54.4
			L_{90}	44.6	48.3	**nil**	**nil**	**nil**	44.0	46.1	**nil**	**nil**	**nil**	48.8	48.6
			L_{eq}	66.7	67.1	**nil**	**nil**	**nil**	64.1	65.2	**nil**	**nil**	**nil**	52.1	52.3
			L_{max}	79.0	77.4	**nil**	**nil**	**nil**	73.4	76.3	**nil**	**nil**	**nil**	65.3	65.1
157	No. 12, Pat Tze Wo New Village, Fo Tan, N.T.	Day	L_{10}	47.7	50.1	**nil**	**nil**	**nil**	50.0	49.4	**nil**	**nil**	**nil**	63.4	63.9
			L_{90}	40.4	40.9	**nil**	**nil**	**nil**	38.4	39.4	**nil**	**nil**	**nil**	52.5	51.9
			L_{eq}	45.5	47.1	**nil**	**nil**	**nil**	44.0	45.1	**nil**	**nil**	**nil**	58.7	58.0
			L_{max}	61.6	62.1	**nil**	**nil**	**nil**	56.2	57.1	**nil**	**nil**	**nil**	69.0	67.4
		Evening	L_{10}	43.7	59.8	**nil**	**nil**	**nil**	45.5	48.7	**nil**	**nil**	**nil**	57.1	56.8
			L_{90}	37.1	37.4	**nil**	**nil**	**nil**	37.5	37.1	**nil**	**nil**	**nil**	49.9	50.4
			L_{eq}	41.5	45.8	**nil**	**nil**	**nil**	43.9	45.2	**nil**	**nil**	**nil**	53.7	54.2
			L_{max}	51.0	57.2	**nil**	**nil**	**nil**	60.8	59.1	**nil**	**nil**	**nil**	62.5	63.0
		Night	L_{10}	41.9	42.1	**nil**	**nil**	**nil**	41.7	42.6	**nil**	**nil**	**nil**	54.9	55.8
			L_{90}	35.1	36.2	**nil**	**nil**	**nil**	35.4	35.6	**nil**	**nil**	**nil**	47.9	48.3
			L_{eq}	39.5	40.1	**nil**	**nil**	**nil**	39.7	39.2	**nil**	**nil**	**nil**	50.1	50.7
			L_{max}	51.3	52.1	**nil**	**nil**	**nil**	55.2	53.1	**nil**	**nil**	**nil**	57.9	58.6
158	No. 102, Tin San Tsuen, Tai Wai, N.T.	Day	L_{10}	89.0	69.7	**nil**	**nil**	**nil**	89.1	77.7	**nil**	**nil**	**nil**	64.7	67.1
			L_{90}	62.8	53.8	**nil**	**nil**	**nil**	53.8	53.2	**nil**	**nil**	**nil**	58.1	57.8
			L_{eq}	85.1	66.0	**nil**	**nil**	**nil**	80.0	71.6	**nil**	**nil**	**nil**	60.4	61.2

			L_{max}	**100.4**	75.9	**nil**	**nil**	**nil**	98.9	96.5	**nil**	**nil**	**nil**	70.4	71.9
		Evening	L_{10}	80.9	77.4	**nil**	**nil**	**nil**	77.9	74.9	**nil**	**nil**	**nil**	66.4	65.1
			L_{90}	53.6	56.7	**nil**	**nil**	**nil**	53.7	53.9	**nil**	**nil**	**nil**	53.1	52.6
			L_{eq}	79.2	73.1	**nil**	**nil**	**nil**	72.3	71.4	**nil**	**nil**	**nil**	57.5	58.1
			L_{max}	95.9	94.5	**nil**	**nil**	**nil**	95.3	93.8	**nil**	**nil**	**nil**	74.2	71.3
		Night	L_{10}	63.6	64.7	**nil**	**nil**	**nil**	63.9	63.9	**nil**	**nil**	**nil**	57.4	58.6
			L_{90}	52.7	53.1	**nil**	**nil**	**nil**	53.0	53.2	**nil**	**nil**	**nil**	50.1	50.3
			L_{eq}	58.6	61.3	**nil**	**nil**	**nil**	59.9	60.9	**nil**	**nil**	**nil**	53.2	52.1
			L_{max}	68.7	73.3	**nil**	**nil**	**nil**	69.8	75.8	**nil**	**nil**	**nil**	61.0	59.1
159	No. 13, 1/F, Tung Lo Wan, Tai Wai, N.T.	Day	L_{10}	63.8	67.3	**nil**	**nil**	**nil**	69.0	65.9	**nil**	**nil**	**nil**	68.6	67.2
			L_{90}	48.4	48.6	**nil**	**nil**	**nil**	49.6	48.5	**nil**	**nil**	**nil**	54.5	54.9
			L_{eq}	60.1	62.7	**nil**	**nil**	**nil**	63.9	61.5	**nil**	**nil**	**nil**	66.9	65.9
			L_{max}	75.4	75.7	**nil**	**nil**	**nil**	75.3	74.7	**nil**	**nil**	**nil**	69.5	69.1
		Evening	L_{10}	68.4	68.2	**nil**	**nil**	**nil**	70.1	70.3	**nil**	**nil**	**nil**	67.1	67.6
			L_{90}	50.1	48.8	**nil**	**nil**	**nil**	48.8	50.1	**nil**	**nil**	**nil**	53.9	56.0
			L_{eq}	63.8	63.2	**nil**	**nil**	**nil**	64.9	65.4	**nil**	**nil**	**nil**	65.8	65.4
			L_{max}	75.3	80.1	**nil**	**nil**	**nil**	76.5	75.2	**nil**	**nil**	**nil**	71.3	68.9
		Night	L_{10}	68.8	66.4	**nil**	**nil**	**nil**	67.9	66.3	**nil**	**nil**	**nil**	65.4	65.8
			L_{90}	50.3	49.0	**nil**	**nil**	**nil**	48.2	48.3	**nil**	**nil**	**nil**	51.7	51.9
			L_{eq}	64.5	62.0	**nil**	**nil**	**nil**	63.0	61.8	**nil**	**nil**	**nil**	62.4	62.9
			L_{max}	75.3	74.3	**nil**	**nil**	**nil**	75.4	75.1	**nil**	**nil**	**nil**	68.0	69.1
160	No. 35, 1/F, Pai Tau Village, Sha Tin, N.T.	Day	L_{10}	55.9	57.6	**nil**	**nil**	**nil**	54.9	53.5	**nil**	**nil**	**nil**	57.5	57.9
			L_{90}	48.5	49.4	**nil**	**nil**	**nil**	48.9	47.7	**nil**	**nil**	**nil**	52.2	52.1
			L_{eq}	53.6	56.3	**nil**	**nil**	**nil**	52.4	51.9	**nil**	**nil**	**nil**	54.4	54.1
			L_{max}	63.2	66.5	**nil**	**nil**	**nil**	61.3	60.1	**nil**	**nil**	**nil**	60.7	60.4
		Evening	L_{10}	65.9	67.5	**nil**	**nil**	**nil**	64.1	64.9	**nil**	**nil**	**nil**	57.1	56.9
			L_{90}	56.9	55.7	**nil**	**nil**	**nil**	54.4	57.8	**nil**	**nil**	**nil**	51.5	51.1

			L_{eq}	62.8	60.9	nil	nil	nil	60.4	62.3	nil	nil	nil	53.9	54.1
			L_{max}	77.6	67.9	nil	nil	nil	67.0	71.1	nil	nil	nil	60.2	65.5
		Night	L_{10}	52.9	51.9	nil	nil	nil	53.0	51.4	nil	nil	nil	54.2	53.5
			L_{90}	48.2	48.0	nil	nil	nil	48.1	48.3	nil	nil	nil	49.2	48.7
			L_{eq}	50.9	49.9	nil	nil	nil	50.8	50.4	nil	nil	nil	52.1	51.8
			L_{max}	63.8	57.1	nil	nil	nil	64.0	60.1	nil	nil	nil	64.4	63.9
161	No. 15, Chap Wai Kon Village, Sha Tin, N.T.	Day	L_{10}	60.7	64.8	nil	nil	nil	64.3	62.6	nil	nil	nil	61.9	62.7
			L_{90}	51.6	51.3	nil	nil	nil	51.4	51.0	nil	nil	nil	52.9	52.4
			L_{eq}	59.1	61.3	nil	nil	nil	60.2	59.9	nil	nil	nil	56.9	55.9
			L_{max}	76.0	76.7	nil	nil	nil	73.8	74.4	nil	nil	nil	64.3	67.0
		Evening	L_{10}	63.6	65.4	nil	nil	nil	64.5	63.9	nil	nil	nil	55.9	54.9
			L_{90}	52.2	53.6	nil	nil	nil	54.9	54.2	nil	nil	nil	50.2	49.8
			L_{eq}	60.4	62.5	nil	nil	nil	62.2	59.8	nil	nil	nil	53.1	52.8
			L_{max}	76.5	72.4	nil	nil	nil	76.1	69.8	nil	nil	nil	62.2	63.2
		Night	L_{10}	61.5	62.3	nil	nil	nil	61.3	61.0	nil	nil	nil	56.5	55.7
			L_{90}	51.4	51.1	nil	nil	nil	51.3	51.7	nil	nil	nil	49.5	49.2
			L_{eq}	58.3	58.2	nil	nil	nil	58.0	57.8	nil	nil	nil	51.7	51.4
			L_{max}	66.0	69.5	nil	nil	nil	67.1	68.7	nil	nil	nil	61.0	60.3
162	No. 49, Sha Tin Wai New Village, Sha Tin, N.T.	Day	L_{10}	45.1	nil	nil	nil	nil	44.9	nil	nil	nil	nil	69.3	67.2
			L_{90}	34.9	nil	nil	nil	nil	35.2	nil	nil	nil	nil	63.0	61.0
			L_{eq}	42.0	nil	nil	nil	nil	41.6	nil	nil	nil	nil	66.6	65.7
			L_{max}	53.9	nil	nil	nil	nil	51.8	nil	nil	nil	nil	70.9	68.8
		Evening	L_{10}	43.0	nil	nil	nil	nil	42.7	nil	nil	nil	nil	71.2	71.9
			L_{90}	34.9	nil	nil	nil	nil	34.5	nil	nil	nil	nil	61.2	60.5
			L_{eq}	39.5	nil	nil	nil	nil	38.9	nil	nil	nil	nil	65.5	69.1
			L_{max}	50.2	nil	nil	nil	nil	49.8	nil	nil	nil	nil	72.3	73.1
		Night	L_{10}	42.2	nil	nil	nil	nil	44.9	nil	nil	nil	nil	61.8	60.2

			L_{90}	35.0	nil	nil	nil	nil	34.9	nil	nil	nil	nil	54.8	54.2
			L_{eq}	39.3	nil	nil	nil	nil	41.7	nil	nil	nil	nil	58.8	58.4
			L_{max}	48.6	nil	nil	nil	nil	50.7	nil	nil	nil	nil	66.7	65.3
163	Rm 2613, Yin Ping Hse, Long Ping Esatate, Yuen Long, N.T.	Day	L_{10}	67.4	71.4	nil	nil	nil	66.4	65.9	nil	nil	nil	64.7	66.0
			L_{90}	58.4	59.0	nil	nil	nil	58.0	59.8	nil	nil	nil	57.7	58.2
			L_{eq}	64.6	66.1	nil	nil	nil	63.4	63.8	nil	nil	nil	61.9	63.3
			L_{max}	86.5	78.8	nil	nil	nil	69.5	72.6	nil	nil	nil	68.9	71.5
		Evening	L_{10}	65.6	65.4	nil	nil	nil	64.3	63.9	nil	nil	nil	66.0	65.1
			L_{90}	58.3	56.5	nil	nil	nil	59.3	58.3	nil	nil	nil	56.6	56.7
			L_{eq}	63.1	62.1	nil	nil	nil	61.7	61.4	nil	nil	nil	64.1	63.4
			L_{max}	72.1	71.8	nil	nil	nil	68.4	71.6	nil	nil	nil	69.0	67.0
		Night	L_{10}	64.6	63.9	nil	nil	nil	63.8	62.9	nil	nil	nil	63.7	64.2
			L_{90}	59.0	57.9	nil	nil	nil	58.6	56.9	nil	nil	nil	54.7	54.4
			L_{eq}	62.4	61.8	nil	nil	nil	61.7	61.0	nil	nil	nil	60.8	61.0
			L_{max}	70.4	71.2	nil	nil	nil	70.1	71.7	nil	nil	nil	67.2	67.5
164	No. 227, Shan Pui Tsuen, Yuen Long, N.T.	Day	L_{10}	58.3	59.0	nil	nil	nil	56.9	58.9	nil	nil	nil	60.9	65.0
			L_{90}	51.3	51.5	nil	nil	nil	50.9	51.8	nil	nil	nil	53.8	53.5
			L_{eq}	56.5	56.4	nil	nil	nil	55.1	56.2	nil	nil	nil	59.1	62.0
			L_{max}	69.7	63.6	nil	nil	nil	73.0	67.5	nil	nil	nil	71.2	78.3
		Evening	L_{10}	60.9	63.8	nil	nil	nil	60.7	59.9	nil	nil	nil	63.4	59.7
			L_{90}	53.4	54.5	nil	nil	nil	53.6	52.0	nil	nil	nil	51.6	52.6
			L_{eq}	58.1	61.3	nil	nil	nil	59.5	59.4	nil	nil	nil	60.1	57.5
			L_{max}	70.9	77.8	nil	nil	nil	76.5	74.5	nil	nil	nil	74.7	70.4
		Night	L_{10}	66.0	62.5	nil	nil	nil	59.3	60.4	nil	nil	nil	60.0	60.3
			L_{90}	54.4	53.6	nil	nil	nil	53.3	52.3	nil	nil	nil	52.7	53.0
			L_{eq}	62.3	59.4	nil	nil	nil	58.5	56.8	nil	nil	nil	57.4	57.7
			L_{max}	75.9	77.1	nil	nil	nil	71.5	64.9	nil	nil	nil	68.0	71.4

165	G/F, 6A, Lam Uk Tsuen, Yuen Long	Day	L_{10}	62.2	63.7	64.4	nil	nil	64.9	64.4	63.9	nil	nil	59.4	59.2
			L_{90}	51.8	52.1	52.4	nil	nil	52.7	52.4	52.7	nil	nil	53.5	53.7
			L_{eq}	60.3	61.4	61.7	nil	nil	61.6	61.0	60.4	nil	nil	57.0	56.9
			L_{max}	83.9	82.7	81.0	nil	nil	84.2	81.9	79.4	nil	nil	68.3	67.2
		Evening	L_{10}	55.8	56.9	57.5	nil	nil	57.4	57.0	57.1	nil	nil	61.5	63.6
			L_{90}	47.7	47.9	47.4	nil	nil	48.7	48.1	47.9	nil	nil	56.6	57.3
			L_{eq}	55.2	56.2	57.9	nil	nil	57.2	57.4	57.3	nil	nil	59.7	63.5
			L_{max}	80.8	80.1	77.7	nil	nil	80.4	79.7	79.9	nil	nil	73.9	87.6
		Night	L_{10}	48.0	49.0	49.4	nil	nil	47.6	48.4	49.3	nil	nil	59.1	59.3
			L_{90}	39.8	39.1	39.4	nil	nil	38.9	39.4	39.0	nil	nil	53.8	53.5
			L_{eq}	45.9	46.1	46.2	nil	nil	44.6	45.0	45.9	nil	nil	57.0	57.1
			L_{max}	68.4	67.9	67.8	nil	nil	57.8	66.8	66.9	nil	nil	75.8	69.3
166	Flat B, 9/F, Blk 1, Eldo Court, No. 20, San Tsing St., Tuen Mun, N.T.	Day	L_{10}	70.9	77.0	77.0	nil	nil	67.4	75.3	74.9	nil	nil	71.1	70.8
			L_{90}	60.4	62.7	63.6	nil	nil	59.2	62.8	64.9	nil	nil	67.6	66.8
			L_{eq}	68.5	69.7	73.1	nil	nil	64.3	71.4	72.1	nil	nil	69.6	69.1
			L_{max}	88.8	83.7	84.0	nil	nil	77.2	82.2	84.7	nil	nil	78.7	77.8
		Evening	L_{10}	69.7	69.3	76.9	nil	nil	75.5	72.3	71.2	nil	nil	70.4	70.3
			L_{90}	59.6	63.0	65.0	nil	nil	63.1	63.7	61.9	nil	nil	65.9	66.1
			L_{eq}	66.7	66.8	72.9	nil	nil	72.2	69.4	67.9	nil	nil	68.7	68.5
			L_{max}	85.4	73.5	84.2	nil	nil	90.2	77.8	78.5	nil	nil	80.8	77.2
		Night	L_{10}	68.7	69.1	72.4	nil	nil	72.2	69.9	71.7	nil	nil	68.9	68.4
			L_{90}	59.9	60.4	64.0	nil	nil	60.9	61.6	62.3	nil	nil	63.9	63.1
			L_{eq}	66.0	67.0	69.8	nil	nil	70.1	67.2	69.1	nil	nil	66.8	66.6
			L_{max}	85.0	78.6	79.6	nil	nil	99.4	77.0	78.5	nil	nil	78.4	86.9
167	Rm 301, Kwun Tai Court, Fu Tai Estate, Tuen Mun, N.T.	Day	L_{10}	61.8	63.5	62.0	nil	nil	63.7	62.8	65.1	nil	nil	69.1	61.5
			L_{90}	50.4	53.4	52.4	nil	nil	53.2	51.8	53.1	nil	nil	59.9	59.5
			L_{eq}	61.0	60.1	58.9	nil	nil	60.6	59.2	62.7	nil	nil	65.7	60.6

			L_{max}	85.8	70.7	68.2	**nil**	**nil**	80.6	72.2	68.9	**nil**	**nil**	80.7	69.7
		Evening	L_{10}	73.3	62.5	61.5	**nil**	**nil**	70.1	60.5	61.1	**nil**	**nil**	63.3	62.1
			L_{90}	53.2	52.8	53.9	**nil**	**nil**	54.8	51.5	54.2	**nil**	**nil**	59.4	59.0
			L_{eq}	69.9	59.3	58.6	**nil**	**nil**	67.9	57.3	58.5	**nil**	**nil**	61.6	60.9
			L_{max}	94.2	67.5	66.7	**nil**	**nil**	87.8	67.7	65.4	**nil**	**nil**	79.3	73.3
		Night	L_{10}	46.9	54.4	61.7	**nil**	**nil**	46.3	50.1	58.0	**nil**	**nil**	58.7	58.3
			L_{90}	45.2	47.7	46.1	**nil**	**nil**	44.5	46.4	46.5	**nil**	**nil**	56.9	56.1
			L_{eq}	46.1	52.9	49.5	**nil**	**nil**	45.4	48.2	50.7	**nil**	**nil**	57.9	57.2
			L_{max}	56.2	67.1	60.1	**nil**	**nil**	53.3	58.2	63.3	**nil**	**nil**	63.3	63.4
168	Flat B, 1/F, Blk 9, Pearl Island Garden, No. 11 Tsing Lung Rd., Tuen Mun, N.T.	Day	L_{10}	67.9	62.5	64.8	**nil**	**nil**	71.2	62.1	62.6	**nil**	**nil**	59.9	59.9
			L_{90}	55.1	55.2	55.8	**nil**	**nil**	62.6	52.6	52.2	**nil**	**nil**	58.6	58.4
			L_{eq}	67.7	60.6	62.4	**nil**	**nil**	67.6	59.0	59.8	**nil**	**nil**	59.6	59.2
			L_{max}	94.6	73.7	74.7	**nil**	**nil**	84.7	71.9	68.0	**nil**	**nil**	76.5	69.7
		Evening	L_{10}	66.2	63.7	61.5	**nil**	**nil**	67.2	63.5	62.1	**nil**	**nil**	58.4	58.2
			L_{90}	56.3	55.5	55.4	**nil**	**nil**	55.7	54.6	49.9	**nil**	**nil**	57.1	57.0
			L_{eq}	63.5	61.1	59.4	**nil**	**nil**	65.0	60.8	57.8	**nil**	**nil**	57.8	57.8
			L_{max}	87.0	71.0	69.0	**nil**	**nil**	87.2	71.5	68.7	**nil**	**nil**	70.4	79.3
		Night	L_{10}	56.6	70.6	66.0	**nil**	**nil**	56.7	60.8	62.2	**nil**	**nil**	59.6	56.8
			L_{90}	46.3	54.6	51.7	**nil**	**nil**	48.1	50.0	49.8	**nil**	**nil**	53.4	54.8
			L_{eq}	51.1	64.7	60.7	**nil**	**nil**	52.3	57.3	59.0	**nil**	**nil**	57.1	55.8
			L_{max}	76.0	75.8	70.8	**nil**	**nil**	82.4	68.8	74.1	**nil**	**nil**	90.6	66.7
169	Rm 1921, Wah Hong Hse, Wah Fu Est, Aberdeen, Hong Kong	Day	L_{10}	49.1	50.9	51.2	**nil**	**nil**	48.8	50.8	50.9	**nil**	**nil**	57.7	58.8
			L_{90}	46.1	45.9	46.4	**nil**	**nil**	46.1	45.8	45.7	**nil**	**nil**	55.1	54.9
			L_{eq}	48.5	49.7	58.1	**nil**	**nil**	47.6	48.8	48.9	**nil**	**nil**	56.5	57.3
			L_{max}	65.7	56.1	64.2	**nil**	**nil**	59.4	57.4	56.5	**nil**	**nil**	64.8	67.1
		Evening	L_{10}	72.1	72.4	71.0	**nil**	**nil**	77.3	73.8	70.7	**nil**	**nil**	68.2	75.3
			L_{90}	58.4	63.8	61.7	**nil**	**nil**	62.6	65.0	61.0	**nil**	**nil**	59.5	62.9

			L_{eq}	69.0	68.4	66.0	**nil**	**nil**	73.9	69.0	65.7	**nil**	**nil**	65.2	74.8
			L_{max}	90.8	87.3	80.1	**nil**	**nil**	92.4	90.4	77.4	**nil**	**nil**	82.3	96.7
		Night	L_{10}	55.2	57.0	55.6	**nil**	**nil**	55.2	56.9	57.5	**nil**	**nil**	61.3	61.1
			L_{90}	53.2	51.9	52.1	**nil**	**nil**	53.2	50.8	56.7	**nil**	**nil**	60.4	60.3
			L_{eq}	54.1	53.5	54.0	**nil**	**nil**	54.3	52.4	52.9	**nil**	**nil**	60.9	60.7
			L_{max}	64.2	59.9	60.7	**nil**	**nil**	65.9	59.9	61.3	**nil**	**nil**	62.9	63.6
170	Flat B, 18/F, Blk B, Ap Lei Chau Center, 139 Lee Chi Rd., Ap Lei Chau	Day	L_{10}	68.1	67.4	**nil**	**nil**	**nil**	63.1	67.2	**nil**	**nil**	**nil**	69.2	69.2
			L_{90}	56.4	52.4	**nil**	**nil**	**nil**	53.4	52.2	**nil**	**nil**	**nil**	64.3	63.6
			L_{eq}	65.4	64.7	**nil**	**nil**	**nil**	59.4	63.2	**nil**	**nil**	**nil**	67.2	66.7
			L_{max}	77.6	78.9	**nil**	**nil**	**nil**	67.2	73.5	**nil**	**nil**	**nil**	76.4	73.7
		Evening	L_{10}	65.9	65.8	**nil**	**nil**	**nil**	64.1	67.5	**nil**	**nil**	**nil**	66.8	66.2
			L_{90}	55.4	55.0	**nil**	**nil**	**nil**	54.2	54.3	**nil**	**nil**	**nil**	63.5	63.0
			L_{eq}	62.0	61.8	**nil**	**nil**	**nil**	61.5	63.3	**nil**	**nil**	**nil**	65.4	64.8
			L_{max}	70.0	71.6	**nil**	**nil**	**nil**	70.6	72.9	**nil**	**nil**	**nil**	72.9	76.1
		Night	L_{10}	64.9	68.3	**nil**	**nil**	**nil**	78.3	68.0	**nil**	**nil**	**nil**	65.5	65.3
			L_{90}	56.2	54.3	**nil**	**nil**	**nil**	55.1	57.0	**nil**	**nil**	**nil**	61.9	61.0
			L_{eq}	61.4	63.6	**nil**	**nil**	**nil**	72.4	63.7	**nil**	**nil**	**nil**	63.8	63.3
			L_{max}	69.5	74.3	**nil**	**nil**	**nil**	83.7	70.2	**nil**	**nil**	**nil**	72.4	71.1
171	K5-67, Fairview Park, Yuen Long, N.T.	Day	L_{10}	53.9	65.4	65.6	72.4	66.1	53.6	69.5	64.7	63.9	63.6	61.0	60.7
			L_{90}	49.2	59.3	56.6	58.3	52.2	48.8	57.9	57.7	54.0	52.9	42.6	43.2
			L_{eq}	52.1	62.8	62.4	67.6	61.6	51.7	65.4	71.7	67.4	60.0	58.1	57.7
			L_{max}	62.8	75.1	72.8	78.3	74.3	57.6	76.6	95.3	90.9	72.1	74.6	76.7
		Evening	L_{10}	52.9	66.6	64.3	60.8	58.9	52.7	60.6	63.3	61.2	60.8	59.8	59.4
			L_{90}	47.1	60.9	57.8	55.8	52.0	47.1	54.6	57.2	54.8	53.0	43.3	43.1
			L_{eq}	50.9	64.5	61.3	58.8	56.4	50.7	58.1	61.1	58.7	58.0	56.9	56.4
			L_{max}	64.3	70.4	69.2	64.7	63.3	65.7	63.6	65.2	66.7	65.8	77.1	73.8
		Night	L_{10}	38.4	53.7	54.3	55.1	52.4	39.2	52.8	54.2	54.4	54.3	50.5	53.0

			L_{90}	33.6	57.4	57.9	51.7	50.8	33.3	57.2	52.2	51.9	51.2	43.4	44.3
			L_{eq}	37.8	52.6	53.0	53.5	51.5	37.2	52.1	53.1	53.1	52.7	47.9	50.7
			L_{max}	58.6	55.7	56.3	58.8	54.0	58.4	56.1	55.3	58.6	56.9	65.6	69.2
172	Pierhead Garden, 168 - 236 Wu Chui Road, Tuen Mun, N.T.	Day	L_{10}	53.0	62.4	67.9	**nil**	**nil**	69.2	65.5	64.6	**nil**	**nil**	64.8	66.5
			L_{90}	47.5	55.6	54.9	**nil**	**nil**	54.4	55.6	55.5	**nil**	**nil**	59.0	59.9
			L_{eq}	50.6	60.2	65.1	**nil**	**nil**	66.6	61.8	62.4	**nil**	**nil**	62.1	64.5
			L_{max}	64.4	72.5	81.2	**nil**	**nil**	86.8	78.1	78.2	**nil**	**nil**	71.1	82.9
		Evening	L_{10}	67.2	64.8	64.1	**nil**	**nil**	56.4	62.6	62.7	**nil**	**nil**	64.8	64.7
			L_{90}	47.4	55.8	55.6	**nil**	**nil**	47.0	54.9	55.4	**nil**	**nil**	59.1	59.2
			L_{eq}	66.2	61.4	61.1	**nil**	**nil**	53.7	60.2	60.1	**nil**	**nil**	62.3	62.3
			L_{max}	91.8	72.2	71.7	**nil**	**nil**	91.0	72.8	70.0	**nil**	**nil**	72.7	74.9
		Night	L_{10}	52.0	49.5	50.2	**nil**	**nil**	53.3	48.1	49.2	**nil**	**nil**	64.4	63.9
			L_{90}	44.7	43.4	44.3	**nil**	**nil**	44.6	42.9	43.7	**nil**	**nil**	56.8	56.5
			L_{eq}	49.7	46.5	47.5	**nil**	**nil**	51.7	46.0	46.7	**nil**	**nil**	61.9	60.8
			L_{max}	65.9	54.7	55.7	**nil**	**nil**	70.8	53.3	56.0	**nil**	**nil**	76.2	71.8
173	No. 75, 3/F., Nam On St., Shau Kei Wan, Hong Kong	Day	L_{10}	66.4	74.1	75.0	**nil**	**nil**	64.7	71.2	70.8	**nil**	**nil**	70.5	71.0
			L_{90}	51.6	56.3	57.2	**nil**	**nil**	53.3	54.2	53.9	**nil**	**nil**	64.9	65.5
			L_{eq}	63.3	71.5	72.3	**nil**	**nil**	64.6	68.9	68.4	**nil**	**nil**	68.2	68.8
			L_{max}	83.0	90.5	89.6	**nil**	**nil**	84.6	81.1	78.6	**nil**	**nil**	80.3	82.6
		Evening	L_{10}	67.7	75.3	62.4	**nil**	**nil**	78.9	72.3	73.1	**nil**	**nil**	68.3	66.9
			L_{90}	47.1	52.6	51.9	**nil**	**nil**	57.7	53.0	53.3	**nil**	**nil**	63.1	63.1
			L_{eq}	67.5	74.9	65.0	**nil**	**nil**	77.9	70.1	69.9	**nil**	**nil**	67.0	65.3
			L_{max}	91.4	86.9	85.4	**nil**	**nil**	**107.8**	80.6	83.7	**nil**	**nil**	82.8	73.0
		Night	L_{10}	54.1	67.2	70.2	**nil**	**nil**	52.8	71.5	72.3	**nil**	**nil**	66.2	66.1
			L_{90}	48.8	52.0	49.8	**nil**	**nil**	46.3	55.1	57.5	**nil**	**nil**	61.9	61.2
			L_{eq}	53.1	68.5	55.6	**nil**	**nil**	52.6	69.1	69.6	**nil**	**nil**	64.5	64.4
			L_{max}	80.2	84.5	72.3	**nil**	**nil**	79.9	79.4	78.6	**nil**	**nil**	77.3	79.9

174	Flat D, 10/F, Blk 10, Dawning Views, Fanling, N.T.	Day	L_{10}	69.8	65.9	66.5	63.0	63.5	69.5	68.0	66.6	68.5	66.7	69.8	69.5
			L_{90}	64.2	64.2	65.1	61.0	62.0	63.7	67.5	62.1	61.6	62.3	64.2	63.7
			L_{eq}	67.4	67.5	68.2	64.5	66.9	67.2	66.5	64.2	67.1	65.9	67.4	67.2
			L_{max}	81.3	72.3	71.9	74.3	73.0	85.0	72.5	73.0	72.6	73.7	81.3	85.0
		Evening	L_{10}	67.2	66.7	67.2	67.5	68.0	67.5	67.0	67.0	66.9	67.0	67.2	65.9
			L_{90}	62.9	61.6	62.0	61.8	62.5	60.6	61.5	61.4	61.0	60.4	62.9	62.1
			L_{eq}	65.2	65.4	66.0	65.8	67.0	66.2	65.8	65.9	66.0	65.9	65.2	64.2
			L_{max}	80.5	70.5	71.6	72.3	71.9	71.0	72.3	71.5	71.0	71.4	80.5	74.6
		Night	L_{10}	65.0	63.9	62.9	63.0	63.4	64.1	63.8	63.2	63.0	63.5	64.7	63.8
			L_{90}	60.6	60.4	59.6	59.2	59.7	59.7	59.0	59.7	60.0	58.9	60.4	59.6
			L_{eq}	63.2	62.5	61.9	61.7	62.0	62.2	62.0	61.8	61.9	62.0	63.0	61.9
			L_{max}	77.6	71.0	68.5	69.2	68.0	69.4	68.5	69.6	69.7	68.2	77.6	71.3
175	20/F, Kai Yan Hse., Kai Tin Est., Lam Tin, Kowloon	Day	L_{10}	52.7	79.4	72.7	**nil**	**nil**	52.0	73.3	73.7	**nil**	**nil**	64.1	63.1
			L_{90}	49.5	66.0	66.3	**nil**	**nil**	49.3	63.0	65.1	**nil**	**nil**	60.7	60.5
			L_{eq}	51.2	79.2	70.5	**nil**	**nil**	50.8	69.9	62.0	**nil**	**nil**	62.6	61.9
			L_{max}	60.8	96.5	80.1	**nil**	**nil**	62.6	71.7	59.1	**nil**	**nil**	72.5	70.2
		Evening	L_{10}	76.6	73.2	74.5	**nil**	**nil**	74.7	73.2	74.9	**nil**	**nil**	65.0	64.1
			L_{90}	65.5	64.9	64.1	**nil**	**nil**	50.6	63.9	65.8	**nil**	**nil**	61.0	60.2
			L_{eq}	75.3	70.7	71.6	**nil**	**nil**	74.4	69.7	71.9	**nil**	**nil**	63.9	63.4
			L_{max}	**100.6**	82.0	81.9	**nil**	**nil**	99.5	77.1	84.5	**nil**	**nil**	85.0	83.4
		Night	L_{10}	56.3	47.7	50.0	**nil**	**nil**	56.1	47.6	48.1	**nil**	**nil**	61.1	59.6
			L_{90}	47.9	41.3	42.1	**nil**	**nil**	46.6	42.2	41.9	**nil**	**nil**	56.4	55.6
			L_{eq}	53.4	45.9	46.6	**nil**	**nil**	53.0	46.0	45.4	**nil**	**nil**	59.2	57.9
			L_{max}	73.3	59.1	58.8	**nil**	**nil**	76.3	60.2	58.1	**nil**	**nil**	71.1	65.1
176	14/F, Fai Wah Hse., Lok Wah Est., Kowloon	Day	L_{10}	63.2	64.1	63.9	**nil**	**nil**	61.1	58.2	58.3	**nil**	**nil**	52.3	52.3
			L_{90}	56.3	54.5	54.0	**nil**	**nil**	56.2	55.6	55.4	**nil**	**nil**	38.8	36.1
			L_{eq}	61.2	62.6	61.9	**nil**	**nil**	59.1	56.5	57.1	**nil**	**nil**	44.7	39.6

			L_{max}	77.6	74.3	72.3	**nil**	**nil**	75.5	69.8	60.2	**nil**	**nil**	71.5	53.3
		Evening	L_{10}	65.1	65.4	64.9	**nil**	**nil**	65.1	62.8	63.0	**nil**	**nil**	63.3	61.4
			L_{90}	56.0	56.3	56.1	**nil**	**nil**	56.1	56.0	56.1	**nil**	**nil**	47.9	47.9
			L_{eq}	61.6	60.5	61.2	**nil**	**nil**	62.2	60.5	61.9	**nil**	**nil**	63.2	60.9
			L_{max}	76.1	72.3	71.9	**nil**	**nil**	77.8	72.6	75.9	**nil**	**nil**	93.0	83.8
		Night	L_{10}	57.4	56.2	57.0	**nil**	**nil**	56.7	57.1	56.9	**nil**	**nil**	44.2	44.3
			L_{90}	50.0	50.8	51.2	**nil**	**nil**	50.1	51.0	50.5	**nil**	**nil**	34.4	39.2
			L_{eq}	54.6	55.4	56.0	**nil**	**nil**	54.2	55.1	54.9	**nil**	**nil**	43.3	42.7
			L_{max}	67.7	67.3	68.4	**nil**	**nil**	70.1	71.2	70.5	**nil**	**nil**	80.2	62.0
177	Room 1301, Lion Hse., Shek Yum Est., Kwai Chung, N.T.	Day	L_{10}	57.6	57.7	57.0	**nil**	**nil**	61.7	58.1	58.1	**nil**	**nil**	69.1	68.9
			L_{90}	49.7	49.6	49.1	**nil**	**nil**	49.4	49.9	49.5	**nil**	**nil**	64.4	64.1
			L_{eq}	56.7	54.9	54.1	**nil**	**nil**	60.8	57.1	55.0	**nil**	**nil**	67.1	66.8
			L_{max}	86.1	64.5	66.1	**nil**	**nil**	86.2	74.7	67.2	**nil**	**nil**	79.6	81.4
		Evening	L_{10}	66.5	68.6	66.8	**nil**	**nil**	65.0	67.7	70.9	**nil**	**nil**	68.9	68.4
			L_{90}	55.2	59.7	58.6	**nil**	**nil**	53.4	57.9	58.4	**nil**	**nil**	63.7	62.9
			L_{eq}	63.1	65.7	64.2	**nil**	**nil**	61.5	64.8	67.4	**nil**	**nil**	66.8	66.0
			L_{max}	80.1	74.2	79.0	**nil**	**nil**	79.6	76.1	76.8	**nil**	**nil**	87.3	77.7
		Night	L_{10}	66.0	56.7	68.3	**nil**	**nil**	67.1	65.1	73.2	**nil**	**nil**	67.5	67.6
			L_{90}	57.0	57.3	58.1	**nil**	**nil**	54.3	54.4	49.0	**nil**	**nil**	60.3	60.6
			L_{eq}	63.0	63.3	65.4	**nil**	**nil**	62.7	62.1	67.7	**nil**	**nil**	64.8	65.0
			L_{max}	77.7	69.2	75.6	**nil**	**nil**	79.2	73.4	77.3	**nil**	**nil**	79.9	77.3
178	Rm 1714, Shek Yuet Hse., Shek Lei Estate, Kwai Chung, N.T.	Day	L_{10}	72.9	65.1	66.7	**nil**	**nil**	71.2	64.8	66.7	**nil**	**nil**	67.3	66.3
			L_{90}	52.4	57.5	59.0	**nil**	**nil**	55.7	53.6	55.3	**nil**	**nil**	62.8	63.3
			L_{eq}	71.8	61.2	64.1	**nil**	**nil**	67.1	61.6	62.9	**nil**	**nil**	65.3	64.8
			L_{max}	98.6	71.1	81.7	**nil**	**nil**	78.6	74.9	76.3	**nil**	**nil**	76.9	70.9
		Evening	L_{10}	62.9	54.5	73.0	**nil**	**nil**	67.5	74.2	73.2	**nil**	**nil**	65.9	65.1
			L_{90}	53.5	49.5	56.5	**nil**	**nil**	53.9	58.0	58.8	**nil**	**nil**	61.9	61.3

			L_{eq}	61.3	59.7	69.1	nil	nil	64.4	80.2	69.9	nil	nil	64.5	63.4
			L_{max}	78.7	69.1	81.3	nil	nil	81.9	79.6	80.1	nil	nil	81.8	69.1
		Night	L_{10}	48.1	54.6	53.0	nil	nil	48.1	51.5	53.8	nil	nil	62.5	63.6
			L_{90}	43.7	46.7	47.8	nil	nil	43.0	45.9	49.8	nil	nil	57.6	58.6
			L_{eq}	46.9	50.8	50.6	nil	nil	47.3	49.4	52.1	nil	nil	60.4	61.6
			L_{max}	65.4	61.2	56.3	nil	nil	73.7	59.7	58.7	nil	nil	72.1	69.5
179	Flat F, 19/F, Blk2, Greenknoll Court, Kwai Chung, N.T.	Day	L_{10}	65.5	60.8	66.1	nil	nil	62.6	68.9	66.5	nil	nil	73.3	73.0
			L_{90}	59.0	57.1	58.1	nil	nil	57.0	57.0	56.8	nil	nil	69.8	67.4
			L_{eq}	63.7	59.3	63.2	nil	nil	60.9	64.9	62.6	nil	nil	71.9	70.7
			L_{max}	82.6	71.8	70.9	nil	nil	79.5	78.4	72.7	nil	nil	77.8	78.9
		Evening	L_{10}	75.9	67.9	60.7	nil	nil	80.9	58.6	69.2	nil	nil	72.1	73.3
			L_{90}	57.4	56.3	57.1	nil	nil	62.5	55.8	58.2	nil	nil	67.2	67.1
			L_{eq}	70.4	63.6	59.3	nil	nil	76.6	57.4	65.6	nil	nil	70.1	70.7
			L_{max}	84.9	74.8	62.8	nil	nil	93.0	67.8	74.3	nil	nil	76.6	80.5
		Night	L_{10}	70.4	71.0	78.6	nil	nil	68.0	70.6	68.5	nil	nil	71.0	70.9
			L_{90}	62.0	61.8	64.0	nil	nil	59.0	62.7	62.8	nil	nil	64.3	64.3
			L_{eq}	68.2	68.1	68.3	nil	nil	65.5	67.7	66.7	nil	nil	68.5	68.2
			L_{max}	88.0	74.0	75.1	nil	nil	83.1	75.0	76.8	nil	nil	79.2	75.2
180	21/F, Blk 9, Metro City, Tseung Kwan O, N.T.	Day	L_{10}	63.8	68.0	69.2	nil	nil	70.3	68.1	69.7	nil	nil	66.8	66.2
			L_{90}	51.3	51.0	52.4	nil	nil	51.2	52.1	52.9	nil	nil	63.1	62.2
			L_{eq}	61.6	64.3	65.3	nil	nil	70.0	65.6	66.1	nil	nil	65.3	64.6
			L_{max}	80.3	82.1	77.9	nil	nil	97.5	86.1	82.4	nil	nil	79.2	75.2
		Evening	L_{10}	67.4	65.6	67.2	nil	nil	67.3	76.6	70.9	nil	nil	64.8	65.6
			L_{90}	52.9	52.4	51.2	nil	nil	52.4	54.1	52.0	nil	nil	60.8	61.8
			L_{eq}	66.2	63.2	64.9	nil	nil	64.3	70.0	66.1	nil	nil	64.1	63.1
			L_{max}	87.4	77.4	80.1	nil	nil	84.6	96.1	79.7	nil	nil	71.8	70.2
		Night	L_{10}	46.8	47.8	48.2	nil	nil	47.7	48.1	47.9	nil	nil	64.0	61.3

			L_{90}	42.9	43.1	43.5	nil	nil	43.4	43.5	43.2	nil	nil	62.0	57.5
			L_{eq}	45.0	45.2	45.5	nil	nil	45.9	45.5	45.7	nil	nil	63.1	58.7
			L_{max}	52.0	52.2	53.5	nil	nil	54.1	52.8	53.1	nil	nil	78.6	69.1
181	G/F, 6A, Lam Uk Tsuen, Yuen Long	Day	L_{10}	59.6	60.1	59.6	nil	nil	59.3	59.7	59.0	nil	nil	58.6	56.7
			L_{90}	45.9	46.1	47.4	nil	nil	42.7	43.4	46.3	nil	nil	48.6	45.7
			L_{eq}	56.7	57.4	56.8	nil	nil	56.3	57.0	55.4	nil	nil	55.3	53.1
			L_{max}	76.0	70.9	67.1	nil	nil	74.3	71.5	67.8	nil	nil	70.1	68.3
		Evening	L_{10}	59.1	60.2	59.6	nil	nil	56.5	60.1	58.8	nil	nil	57.8	56.3
			L_{90}	44.7	46.2	44.9	nil	nil	45.2	45.5	45.9	nil	nil	48.0	48.5
			L_{eq}	56.9	57.4	57.0	nil	nil	54.4	58.0	56.9	nil	nil	54.6	54.7
			L_{max}	79.0	71.0	68.0	nil	nil	77.0	69.8	67.7	nil	nil	68.2	71.4
		Night	L_{10}	57.2	61.2	62.8	nil	nil	62.4	62.5	63.5	nil	nil	56.2	56.8
			L_{90}	46.3	46.9	47.4	nil	nil	46.7	47.1	47.8	nil	nil	47.5	45.9
			L_{eq}	54.2	55.4	56.3	nil	nil	58.3	55.9	56.4	nil	nil	53.4	53.5
			L_{max}	69.2	68.8	67.1	nil	nil	71.3	69.0	66.8	nil	nil	72.0	70.0
182	No. 103, G/F., Shan Pui Chung Hau Tsuen, Yuen Long, N.T.	Day	L_{10}	66.4	67.5	68.4	nil	nil	66.3	67.9	68.9	nil	nil	56.5	56.8
			L_{90}	59.8	59.4	59.9	nil	nil	60.3	60.1	60.9	nil	nil	48.1	47.1
			L_{eq}	64.2	65.2	64.1	nil	nil	64.3	65.6	63.9	nil	nil	53.7	53.6
			L_{max}	75.6	79.1	77.8	nil	nil	87.7	81.5	80.4	nil	nil	60.5	60.9
		Evening	L_{10}	65.0	67.2	78.0	nil	nil	64.2	67.9	70.1	nil	nil	55.6	56.1
			L_{90}	58.2	58.5	59.2	nil	nil	56.2	57.1	57.9	nil	nil	46.1	45.6
			L_{eq}	62.7	62.3	64.2	nil	nil	61.6	61.9	63.6	nil	nil	52.8	52.7
			L_{max}	74.0	77.9	81.0	nil	nil	83.4	79.5	82.5	nil	nil	60.8	60.7
		Night	L_{10}	62.1	61.9	62.5	nil	nil	62.8	62.4	63.4	nil	nil	54.7	54.4
			L_{90}	54.5	54.9	55.1	nil	nil	55.6	55.1	56.0	nil	nil	40.5	41.3
			L_{eq}	61.2	60.6	61.5	nil	nil	60.4	60.1	61.0	nil	nil	51.1	51.1
			L_{max}	84.1	77.1	72.1	nil	nil	76.2	72.4	71.7	nil	nil	63.7	62.5

183	2/F, No2, Ha Kwai Chung Tsuen, Kwai Chung	Day	L_{10}	66.9	64.3	67.1	nil	nil	67.1	64.8	66.1	nil	nil	66.3	67.4
			L_{90}	44.7	46.4	49.4	nil	nil	46.8	47.8	48.6	nil	nil	57.3	57.8
			L_{eq}	58.9	59.6	61.2	nil	nil	59.7	59.1	60.1	nil	nil	62.8	63.4
			L_{max}	79.1	77.1	74.2	nil	nil	74.9	78.4	73.1	nil	nil	71.0	72.3
		Evening	L_{10}	53.9	54.4	55.1	nil	nil	55.1	53.1	54.2	nil	nil	65.9	65.2
			L_{90}	44.1	45.2	43.9	nil	nil	44.8	45.7	44.6	nil	nil	55.4	56.1
			L_{eq}	50.4	51.0	56.3	nil	nil	51.2	49.8	50.5	nil	nil	60.4	60.9
			L_{max}	62.5	63.4	60.1	nil	nil	61.0	60.6	59.4	nil	nil	72.6	70.3
		Night	L_{10}	51.4	52.5	53.5	nil	nil	51.9	52.8	53.7	nil	nil	64.9	65.3
			L_{90}	43.5	45.1	44.4	nil	nil	43.7	44.8	44.1	nil	nil	53.7	54.2
			L_{eq}	49.4	49.9	50.1	nil	nil	49.0	50.1	50.6	nil	nil	60.2	59.8
			L_{max}	60.0	61.1	63.1	nil	nil	59.3	60.6	62.5	nil	nil	70.0	68.7
184	G/F, No3, Chung Kwai Chung Tsuen, Kwai Chung	Day	L_{10}	62.4	62.5	62.8	nil	nil	63.9	63.1	62.7	nil	nil	62.8	60.0
			L_{90}	43.5	44.4	43.9	nil	nil	44.7	44.9	44.1	nil	nil	56.5	55.8
			L_{eq}	58.1	59.0	59.0	nil	nil	58.9	59.4	58.8	nil	nil	60.4	57.0
			L_{max}	71.0	70.7	67.1	nil	nil	69.8	70.3	63.5	nil	nil	68.0	68.4
		Evening	L_{10}	66.2	65.4	63.1	nil	nil	65.1	64.2	62.5	nil	nil	58.8	60.0
			L_{90}	47.1	46.8	46.1	nil	nil	46.9	47.0	46.4	nil	nil	56.1	55.7
			L_{eq}	58.9	59.6	58.4	nil	nil	59.1	59.9	58.0	nil	nil	57.4	58.5
			L_{max}	72.5	71.0	69.2	nil	nil	73.6	70.3	68.3	nil	nil	64.8	67.0
		Night	L_{10}	50.1	50.2	50.7	nil	nil	51.2	50.8	51.1	nil	nil	62.4	61.0
			L_{90}	42.1	43.0	43.4	nil	nil	41.7	42.7	43.7	nil	nil	53.7	53.2
			L_{eq}	46.9	47.1	46.8	nil	nil	46.4	47.0	46.3	nil	nil	60.0	58.9
			L_{max}	55.4	57.4	57.0	nil	nil	56.1	57.7	56.8	nil	nil	66.0	65.1
185	No. 20, G/F/., Da Chuen Ping Village, Kwai Chung, N.T.	Day	L_{10}	54.1	54.9	57.0	nil	nil	54.6	56.2	57.7	nil	nil	59.4	57.9
			L_{90}	42.2	43.0	43.3	nil	nil	41.3	42.1	43.0	nil	nil	48.6	49.0
			L_{eq}	50.6	51.0	50.9	nil	nil	50.9	51.4	51.7	nil	nil	56.1	54.9

			L_{max}	62.4	60.6	62.9	nil	nil	62.0	61.1	60.9	nil	nil	67.8	66.9
		Evening	L_{10}	52.2	53.1	54.0	nil	nil	51.9	53.5	53.7	nil	nil	57.9	55.6
			L_{90}	46.9	46.9	46.1	nil	nil	44.7	45.7	45.9	nil	nil	44.9	44.2
			L_{eq}	49.0	49.6	48.4	nil	nil	49.5	49.0	48.7	nil	nil	52.6	52.4
			L_{max}	69.3	62.7	60.5	nil	nil	61.8	62.1	60.1	nil	nil	61.4	62.1
		Night	L_{10}	49.8	50.9	51.2	nil	nil	50.4	51.2	51.9	nil	nil	55.9	55.3
			L_{90}	43.4	44.1	44.6	nil	nil	43.4	44.3	44.0	nil	nil	44.2	43.1
			L_{eq}	47.4	48.0	47.8	nil	nil	47.9	48.4	48.1	nil	nil	50.1	50.0
			L_{max}	62.3	61.8	61.1	nil	nil	59.0	61.9	61.4	nil	nil	58.2	58.9
186	Rm 1302, Blk 5, Kwai Shing Estate, Kwai Chung, N.T.	Day	L_{10}	73.1	72.2	72.4	nil	nil	71.9	72.8	73.5	nil	nil	65.8	66.3
			L_{90}	61.0	60.5	60.8	nil	nil	59.9	60.3	60.4	nil	nil	57.1	57.5
			L_{eq}	69.3	68.5	69.0	nil	nil	68.9	69.5	70.3	nil	nil	62.3	63.0
			L_{max}	79.8	79.5	79.2	nil	nil	81.5	80.3	78.9	nil	nil	69.8	70.0
		Evening	L_{10}	71.2	71.1	72.2	nil	nil	72.1	72.9	73.2	nil	nil	65.3	64.9
			L_{90}	60.1	60.5	61.0	nil	nil	60.9	61.0	61.1	nil	nil	55.4	56.1
			L_{eq}	68.1	67.9	69.3	nil	nil	69.3	69.2	68.5	nil	nil	61.5	62.0
			L_{max}	80.2	79.8	76.5	nil	nil	79.5	79.6	78.3	nil	nil	74.5	73.2
		Night	L_{10}	60.1	68.6	61.3	nil	nil	60.8	62.3	61.7	nil	nil	57.2	58.5
			L_{90}	55.2	56.3	56.5	nil	nil	56.3	56.2	56.5	nil	nil	50.8	51.0
			L_{eq}	58.5	59.4	60.1	nil	nil	59.2	60.1	60.0	nil	nil	55.6	56.1
			L_{max}	65.4	63.8	65.1	nil	nil	66.7	66.5	66.3	nil	nil	67.1	66.9
187	Rm 520, 5/F., Man Fook House, Yue Wah St., Kwun Tong, Kowloon	Day	L_{10}	75.4	74.9	73.8	nil	nil	74.9	73.8	74.1	nil	nil	70.5	70.6
			L_{90}	59.0	58.7	59.0	nil	nil	58.7	59.0	58.5	nil	nil	62.3	63.1
			L_{eq}	71.2	70.6	61.5	nil	nil	70.6	61.5	69.9	nil	nil	69.5	69.8
			L_{max}	84.1	82.5	80.6	nil	nil	82.5	80.6	81.3	nil	nil	77.4	78.1
		Evening	L_{10}	66.3	65.9	64.0	nil	nil	65.1	62.3	61.9	nil	nil	70.7	70.3
			L_{90}	53.1	52.9	53.9	nil	nil	54.5	53.1	53.2	nil	nil	62.8	64.1

			L_{eq}	63.1	62.0	60.0	nil	nil	62.2	58.2	51.9	nil	nil	66.7	67.2
			L_{max}	82.3	81.9	82.0	nil	nil	79.5	66.2	67.1	nil	nil	72.3	71.9
		Night	L_{10}	70.0	70.2	70.1	nil	nil	70.4	71.1	71.6	nil	nil	70.1	68.5
			L_{90}	59.6	60.1	59.4	nil	nil	60.8	61.0	62.3	nil	nil	60.3	60.5
			L_{eq}	66.8	66.1	67.0	nil	nil	67.5	67.1	67.8	nil	nil	65.3	64.2
			L_{max}	79.3	75.1	76.1	nil	nil	80.3	79.5	79.4	nil	nil	77.1	76.5
188	No. 4, 2/F., Yueng Uk San Tsuen, Yuen Long, N.T.	Day	L_{10}	47.2	48.1	49.5	nil	nil	47.3	49.9	51.0	nil	nil	71.2	72.8
			L_{90}	42.0	42.1	42.5	nil	nil	41.2	41.9	42.5	nil	nil	63.3	63.6
			L_{eq}	45.2	45.6	46.1	nil	nil	45.3	45.1	46.7	nil	nil	68.1	70.1
			L_{max}	56.3	57.2	57.1	nil	nil	57.0	56.9	57.4	nil	nil	82.5	81.9
		Evening	L_{10}	55.6	55.9	58.1	nil	nil	52.7	57.2	57.7	nil	nil	67.8	70.8
			L_{90}	43.2	44.9	45.2	nil	nil	42.6	43.7	43.3	nil	nil	61.4	62.5
			L_{eq}	52.7	53.1	54.1	nil	nil	50.4	52.7	52.1	nil	nil	66.2	65.7
			L_{max}	64.4	66.1	67.1	nil	nil	62.5	64.2	63.4	nil	nil	79.2	81.5
		Night	L_{10}	46.5	48.4	49.2	nil	nil	45.5	46.6	47.4	nil	nil	70.0	69.7
			L_{90}	38.8	39.5	40.1	nil	nil	38.7	39.0	39.3	nil	nil	61.2	60.8
			L_{eq}	44.9	44.6	45.7	nil	nil	43.8	44.0	44.4	nil	nil	66.5	66.1
			L_{max}	60.2	59.5	61.0	nil	nil	59.1	60.1	61.0	nil	nil	81.2	76.4
189	No. 168, Yau Ma Hom Tsuen, Kwai Chung, N.T.	Day	L_{10}	63.2	66.4	65.7	nil	nil	68.5	69.1	67.1	nil	nil	72.8	72.1
			L_{90}	50.1	51.0	51.0	nil	nil	50.9	51.2	52.1	nil	nil	64.2	65.1
			L_{eq}	60.4	61.2	62.1	nil	nil	65.4	63.1	62.9	nil	nil	69.8	69.4
			L_{max}	83.4	81.0	77.4	nil	nil	93.2	82.1	79.5	nil	nil	85.5	81.1
		Evening	L_{10}	64.4	60.7	60.5	nil	nil	53.1	57.9	59.1	nil	nil	69.9	69.0
			L_{90}	49.9	48.4	49.2	nil	nil	47.2	49.0	48.1	nil	nil	65.0	64.5
			L_{eq}	51.9	51.5	52.1	nil	nil	50.9	51.9	50.3	nil	nil	67.7	67.2
			L_{max}	65.7	63.1	64.1	nil	nil	63.8	63.0	61.4	nil	nil	77.2	78.2
		Night	L_{10}	63.4	62.1	65.3	nil	nil	69.5	69.1	67.4	nil	nil	66.9	65.8

			L_{90}	46.5	47.0	49.1	nil	nil	53.6	51.0	51.3	nil	nil	59.6	58.6
			L_{eq}	59.0	60.1	61.2	nil	nil	65.8	62.4	63.1	nil	nil	64.0	63.3
			L_{max}	83.2	70.4	77.1	nil	nil	85.5	74.1	76.6	nil	nil	74.5	73.0
190	No. 89A, Lam Hau Tsuen, Yuen Long, N.T.	Day	L_{10}	77.2	78.3	77.4	nil	nil	77.1	73.5	73.9	nil	nil	62.4	62.8
			L_{90}	61.1	60.9	61.9	nil	nil	59.2	58.9	60.7	nil	nil	57.2	57.3
			L_{eq}	72.7	73.3	70.4	nil	nil	72.5	71.4	72.8	nil	nil	60.7	60.8
			L_{max}	86.2	86.0	87.5	nil	nil	85.8	87.4	81.7	nil	nil	70.8	67.5
		Evening	L_{10}	69.7	73.7	66.5	nil	nil	70.2	72.1	67.8	nil	nil	63.1	62.3
			L_{90}	57.7	58.0	55.9	nil	nil	56.9	59.1	56.1	nil	nil	57.3	57.4
			L_{eq}	66.9	69.9	63.7	nil	nil	66.3	66.9	62.8	nil	nil	60.7	60.3
			L_{max}	80.9	83.2	76.3	nil	nil	77.7	74.4	77.8	nil	nil	66.9	65.0
		Night	L_{10}	60.5	61.6	60.0	nil	nil	63.1	63.8	59.4	nil	nil	62.1	62.0
			L_{90}	54.1	53.7	53.4	nil	nil	54.1	52.1	53.7	nil	nil	57.6	57.1
			L_{eq}	57.7	58.5	57.9	nil	nil	60.1	59.9	57.1	nil	nil	60.3	60.0
			L_{max}	72.5	73.6	69.8	nil	nil	73.3	73.8	67.8	nil	nil	65.2	66.4
191	No. 89, Kiu Tau Wai, Yuen Long, N.T.	Day	L_{10}	48.5	49.7	49.9	nil	nil	48.8	50.3	51.0	nil	nil	56.3	57.2
			L_{90}	43.6	44.0	43.7	nil	nil	43.6	44.3	44.8	nil	nil	47.3	48.6
			L_{eq}	48.4	47.0	46.8	nil	nil	46.7	47.4	47.0	nil	nil	53.2	54.3
			L_{max}	52.6	53.5	57.0	nil	nil	59.6	58.5	59.2	nil	nil	63.6	64.5
		Evening	L_{10}	50.9	55.1	58.1	nil	nil	52.9	57.2	59.2	nil	nil	56.9	56.2
			L_{90}	43.4	44.6	45.0	nil	nil	45.6	46.0	46.2	nil	nil	48.1	46.1
			L_{eq}	50.7	51.5	52.0	nil	nil	52.8	53.3	52.5	nil	nil	53.7	53.1
			L_{max}	78.7	69.2	70.1	nil	nil	86.2	67.5	73.1	nil	nil	64.0	66.0
		Night	L_{10}	54.9	56.2	57.5	nil	nil	54.5	57.5	58.3	nil	nil	55.0	54.3
			L_{90}	44.9	45.2	44.7	nil	nil	43.9	44.6	48.1	nil	nil	43.3	42.0
			L_{eq}	51.5	51.9	52.1	nil	nil	51.2	51.4	52.3	nil	nil	51.6	51.1
			L_{max}	61.1	65.2	62.4	nil	nil	71.7	66.1	61.9	nil	nil	63.1	64.1

192	No. 33, 2/F., Wun Yiu Ha Tsuen, Tai Po., N.T.	Day	L_{10}	57.8	60.1	59.4	**nil**	**nil**	57.2	60.9	59.3	**nil**	**nil**	67.0	69.0
			L_{90}	48.5	47.4	47.0	**nil**	**nil**	45.6	47.9	47.3	**nil**	**nil**	50.0	50.6
			L_{eq}	56.0	56.4	53.5	**nil**	**nil**	54.2	57.0	53.7	**nil**	**nil**	55.3	56.5
			L_{max}	72.1	66.9	65.2	**nil**	**nil**	65.8	67.1	65.0	**nil**	**nil**	70.0	69.6
		Evening	L_{10}	56.3	57.5	59.1	**nil**	**nil**	56.3	58.2	59.8	**nil**	**nil**	66.8	65.2
			L_{90}	45.7	46.3	47.1	**nil**	**nil**	46.2	46.7	47.4	**nil**	**nil**	48.7	49.2
			L_{eq}	53.3	53.5	54.2	**nil**	**nil**	53.2	53.4	54.6	**nil**	**nil**	55.8	54.9
			L_{max}	64.0	62.5	65.1	**nil**	**nil**	63.3	63.9	66.5	**nil**	**nil**	69.5	68.1
		Night	L_{10}	54.9	55.4	56.2	**nil**	**nil**	54.5	56.2	57.5	**nil**	**nil**	62.8	63.7
			L_{90}	43.2	43.7	44.9	**nil**	**nil**	40.1	47.4	46.3	**nil**	**nil**	48.1	47.9
			L_{eq}	51.8	51.3	50.8	**nil**	**nil**	51.3	5.9	51.1	**nil**	**nil**	53.7	53.8
			L_{max}	63.1	62.0	60.1	**nil**	**nil**	64.3	60.3	60.9	**nil**	**nil**	67.8	69.4
193	No. 7A, Tai Wo, Tai Po., N.T.	Day	L_{10}	67.1	69.2	69.9	**nil**	**nil**	67.5	68.9	70.1	**nil**	**nil**	64.5	67.0
			L_{90}	57.9	58.4	57.8	**nil**	**nil**	58.5	58.9	58.1	**nil**	**nil**	56.0	55.5
			L_{eq}	63.8	65.5	65.8	**nil**	**nil**	64.2	65.1	66.1	**nil**	**nil**	59.8	60.8
			L_{max}	74.1	77.1	73.4	**nil**	**nil**	71.9	76.3	74.3	**nil**	**nil**	68.6	70.9
		Evening	L_{10}	66.5	65.1	67.5	**nil**	**nil**	67.1	71.2	69.1	**nil**	**nil**	61.8	65.5
			L_{90}	57.1	56.8	57.4	**nil**	**nil**	57.0	56.4	56.9	**nil**	**nil**	55.0	57.6
			L_{eq}	62.4	61.5	63.1	**nil**	**nil**	63.0	61.2	62.4	**nil**	**nil**	57.8	59.2
			L_{max}	69.7	66.9	76.1	**nil**	**nil**	70.5	80.5	73.5	**nil**	**nil**	67.8	70.1
		Night	L_{10}	53.9	54.2	55.1	**nil**	**nil**	54.4	56.2	57.1	**nil**	**nil**	69.0	70.0
			L_{90}	44.6	46.1	45.4	**nil**	**nil**	44.9	45.3	46.0	**nil**	**nil**	56.5	56.0
			L_{eq}	49.7	50.1	51.0	**nil**	**nil**	49.8	50.9	51.2	**nil**	**nil**	61.9	62.3
			L_{max}	60.1	59.8	59.1	**nil**	**nil**	61.0	62.1	63.5	**nil**	**nil**	71.9	77.3
194	No. 49, G/F., Tsok Pok Hang San Tsuen	Day	L_{10}	60.4	60.0	59.5	**nil**	**nil**	60.2	61.0	59.8	**nil**	**nil**	72.1	71.2
			L_{90}	48.2	49.8	48.7	**nil**	**nil**	50.4	50.6	49.9	**nil**	**nil**	66.9	65.9
			L_{eq}	57.1	57.1	56.6	**nil**	**nil**	58.4	57.8	56.9	**nil**	**nil**	70.0	69.1

			L_{max}	78.3	68.6	69.0	nil	nil	83.8	70.8	69.6	nil	nil	80.3	79.4
		Evening	L_{330}	59.9	59.9	59.3	nil	nil	59.8	59.8	58.9	nil	nil	70.6	71.1
			L_{410}	49.8	50.5	50.2	nil	nil	49.5	49.8	49.1	nil	nil	65.3	65.3
			L_{eq}	57.0	56.8	56.1	nil	nil	56.7	56.7	55.8	nil	nil	68.4	68.9
			L_{max}	71.9	67.8	66.6	nil	nil	69.1	66.5	69.5	nil	nil	76.8	79.0
		Night	L_{10}	58.0	59.6	58.7	nil	nil	57.8	58.3	58.6	nil	nil	69.7	69.0
			L_{90}	46.1	47.5	44.2	nil	nil	43.7	45.0	44.8	nil	nil	63.1	62.3
			L_{eq}	54.9	56.0	55.2	nil	nil	54.3	55.4	55.0	nil	nil	67.1	66.5
			L_{max}	69.0	69.2	68.0	nil	nil	67.1	69.5	67.7	nil	nil	75.2	78.7
195	7/F, Blk 15A, Laguna Verde, Hung Hom	Day	L_{10}	70.5	71.2	69.8	nil	nil	71.4	72.3	70.6	nil	nil	64.6	68.2
			L_{90}	59.3	59.7	59.0	nil	nil	60.2	59.9	61.0	nil	nil	56.2	55.8
			L_{eq}	62.3	62.6	62.0	nil	nil	63.5	65.4	63.6	nil	nil	61.5	61.3
			L_{max}	81.9	82.3	83.1	nil	nil	80.3	79.6	78.5	nil	nil	77.8	80.1
		Evening	L_{10}	73.1	72.9	70.4	nil	nil	71.2	69.8	70.3	nil	nil	66.5	66.2
			L_{90}	59.3	58.6	58.0	nil	nil	58.6	57.2	57.3	nil	nil	55.4	5.2
			L_{eq}	70.2	70.0	68.9	nil	nil	68.3	66.5	67.1	nil	nil	62.3	62.0
			L_{max}	79.1	80.3	78.5	nil	nil	77.3	74.5	75.1	nil	nil	71.5	72.3
		Night	L_{10}	70.2	69.3	69.5	nil	nil	71.5	72.3	71.6	nil	nil	65.6	66.1
			L_{90}	55.4	55.2	55.1	nil	nil	55.6	56.3	57.2	nil	nil	58.2	58.3
			L_{eq}	66.5	66.4	66.1	nil	nil	65.9	67.1	66.2	nil	nil	62.4	63.0
			L_{max}	78.4	77.6	77.1	nil	nil	79.3	78.5	78.0	nil	nil	72.3	71.9
196	Chu Ping Hse, Long Ping Estate	Day	L_{10}	67.2	nil	nil	nil	nil	62.4	nil	nil	nil	nil	67.7	67.4
			L_{90}	55.4	nil	nil	nil	nil	48.3	nil	nil	nil	nil	62.9	62.6
			L_{eq}	65.3	nil	nil	nil	nil	62.1	nil	nil	nil	nil	65.7	65.5
			L_{max}	89.7	nil	nil	nil	nil	88.2	nil	nil	nil	nil	76.8	75.4
		Evening	L_{10}	55.8	nil	nil	nil	nil	55.0	nil	nil	nil	nil	68.2	67.2
			L_{90}	48.8	nil	nil	nil	nil	48.0	nil	nil	nil	nil	63.4	62.5

			L_{eq}	52.9	nil	nil	nil	nil	52.3	nil	nil	nil	nil	66.1	65.2
			L_{max}	64.5	nil	nil	nil	nil	64.0	nil	nil	nil	nil	75.3	77.5
		Night	L_{10}	66.7	nil	nil	nil	nil	68.0	nil	nil	nil	nil	67.2	66.7
			L_{90}	55.4	nil	nil	nil	nil	53.9	nil	nil	nil	nil	62.7	62.5
			L_{eq}	66.4	nil	nil	nil	nil	65.4	nil	nil	nil	nil	65.2	64.9
			L_{max}	94.8	nil	nil	nil	nil	85.6	nil	nil	nil	nil	74.3	73.3
197	Rm 2602, Tower 7, Villa Verde, Laguna Verde Phase 2, Hung Hom	Day	L_{10}	63.5	67.5	63.9	nil	nil	62.8	69.2	65.1	nil	nil	63.1	57.8
			L_{90}	43.3	44.1	46.2	nil	nil	43.5	41.9	44.8	nil	nil	56.1	56.4
			L_{eq}	51.3	52.4	53.5	nil	nil	53.1	51.8	53.1	nil	nil	57.5	57.2
			L_{max}	82.1	77.1	81.0	nil	nil	89.0	79.9	80.0	nil	nil	79.3	74.0
		Evening	L_{10}	64.4	67.1	66.4	nil	nil	58.7	63.4	60.9	nil	nil	61.5	66.3
			L_{90}	43.3	44.1	44.9	nil	nil	52.2	50.0	43.4	nil	nil	56.5	58.9
			L_{eq}	58.9	59.3	58.1	nil	nil	58.4	59.1	57.9	nil	nil	59.5	63.6
			L_{max}	81.6	80.6	77.9	nil	nil	83.2	80.1	78.1	nil	nil	86.9	85.9
		Night	L_{1450}	58.1	60.1	63.5	nil	nil	53.6	63.1	57.3	nil	nil	66.6	55.4
			L_{1530}	51.6	50.5	49.1	nil	nil	35.1	50.1	49.9	nil	nil	55.1	44.4
			L_{eq}	56.7	57.5	53.4	nil	nil	46.3	57.5	53.1	nil	nil	60.3	52.1
			L_{max}	82.9	79.1	81.5	nil	nil	80.4	71.9	67.9	nil	nil	73.1	81.2
198	No. 1, Yau Mei San Tsuen, Yuen Long, N.T.	Day	L_{1610}	63.9	64.1	nil	nil	nil	64.3	74.0	nil	nil	nil	73.5	70.8
			L_{1690}	54.4	53.6	nil	nil	nil	54.3	55.9	nil	nil	nil	57.7	56.7
			L_{eq}	62.1	60.4	nil	nil	nil	62.5	69.1	nil	nil	nil	68.6	66.4
			L_{max}	79.6	72.0	nil	nil	nil	83.0	79.8	nil	nil	nil	81.7	78.2
		Evening	L_{1770}	65.3	73.2	nil	nil	nil	75.1	67.2	nil	nil	nil	70.0	70.5
			L_{1850}	57.8	55.6	nil	nil	nil	58.4	56.0	nil	nil	nil	56.2	56.3
			L_{eq}	62.7	68.0	nil	nil	nil	70.6	64.9	nil	nil	nil	66.2	66.8
			L_{max}	75.2	79.2	nil	nil	nil	81.6	80.3	nil	nil	nil	78.8	79.5
		Night	L_{1930}	62.3	59.9	nil	nil	nil	62.4	63.4	nil	nil	nil	63.7	63.9

			L_{2010}	54.5	54.6	**nil**	**nil**	**nil**	54.2	53.1	**nil**	**nil**	**nil**	55.4	54.7
			L_{eq}	59.6	57.3	**nil**	**nil**	**nil**	59.0	59.2	**nil**	**nil**	**nil**	60.6	60.2
			L_{max}	70.3	67.0	**nil**	**nil**	**nil**	69.9	78.2	**nil**	**nil**	**nil**	68.6	68.0
199	Flat F, 19/F, Blk2, Greenknoll Court, Kwai Chung, N.T.	Day	L_{2090}	63.0	60.0	63.5	**nil**	**nil**	63.5	63.0	54.0	**nil**	**nil**	72.1	72.4
			L_{2170}	54.5	54.0	51.5	**nil**	**nil**	54.0	52.5	51.5	**nil**	**nil**	67.0	66.8
			L_{eq}	61.9	57.2	60.6	**nil**	**nil**	61.5	59.5	52.9	**nil**	**nil**	70.0	69.8
			L_{max}	79.3	62.0	65.2	**nil**	**nil**	70.3	67.4	68.5	**nil**	**nil**	79.6	77.4
		Evening	L_{2250}	62.0	57.0	62.0	**nil**	**nil**	63.0	61.5	64.0	**nil**	**nil**	72.6	71.1
			L_{2330}	52.5	53.0	56.0	**nil**	**nil**	52.0	53.0	53.5	**nil**	**nil**	66.6	66.2
			L_{eq}	59.0	55.8	59.7	**nil**	**nil**	59.1	58.3	61.0	**nil**	**nil**	70.0	69.4
			L_{max}	73.6	64.2	66.2	**nil**	**nil**	71.4	63.8	67.4	**nil**	**nil**	77.1	74.2
		Night	L_{2410}	63.0	64.5	65.5	**nil**	**nil**	63.5	63.5	62.0	**nil**	**nil**	71.3	71.0
			L_{2490}	54.0	57.5	55.5	**nil**	**nil**	55.5	57.0	53.5	**nil**	**nil**	65.7	65.6
			L_{eq}	60.2	62.1	62.0	**nil**	**nil**	61.0	61.9	59.5	**nil**	**nil**	69.2	69.0
			L_{max}	74.2	66.7	67.0	**nil**	**nil**	71.5	67.9	65.9	**nil**	**nil**	78.7	77.1
200	No. 103, Sham Chung Tsuen, Yuen Long, N.T.	Day	L_{10}	76.0	73.8	70.4	**nil**	**nil**	75.6	72.1	74.2	**nil**	**nil**	62.8	63.4
			L_{90}	66.2	54.5	53.3	**nil**	**nil**	64.8	58.8	56.6	**nil**	**nil**	57.6	58.3
			L_{eq}	73.0	70.2	66.9	**nil**	**nil**	72.8	69.0	70.8	**nil**	**nil**	61.1	61.6
			L_{max}	85.3	81.5	78.1	**nil**	**nil**	94.9	76.4	83.0	**nil**	**nil**	77.1	77.3
		Evening	L_{10}	75.9	74.9	72.8	**nil**	**nil**	75.4	65.8	74.0	**nil**	**nil**	62.3	62.9
			L_{90}	61.1	60.2	55.2	**nil**	**nil**	56.0	55.5	55.9	**nil**	**nil**	58.2	58.3
			L_{eq}	72.3	70.7	67.7	**nil**	**nil**	71.4	62.4	69.1	**nil**	**nil**	60.6	61.2
			L_{max}	87.1	80.1	77.0	**nil**	**nil**	86.4	69.3	79.5	**nil**	**nil**	72.7	75.5
		Night	L_{10}	77.3	68.5	75.4	**nil**	**nil**	78.1	70.5	68.9	**nil**	**nil**	60.9	60.5
			L_{90}	61.8	59.8	54.8	**nil**	**nil**	66.6	54.7	56.7	**nil**	**nil**	55.3	54.3
			L_{eq}	73.6	64.9	70.6	**nil**	**nil**	74.8	66.0	65.3	**nil**	**nil**	58.7	58.1
			L_{max}	85.4	75.0	79.9	**nil**	**nil**	88.7	77.1	74.4	**nil**	**nil**	69.4	65.1

201	Rm 719, Fung Yue Hse, Sam Shing Est., Tuen Mun, N.T.	Day	L_{170}	72.7	66.5	nil	nil	nil	67.7	67.4	nil	nil	nil	64.9	63.9
			L_{250}	55.7	55.7	nil	nil	nil	54.0	51.2	nil	nil	nil	61.9	60.7
			L_{eq}	68.3	63.9	nil	nil	nil	63.5	63.2	nil	nil	nil	63.5	62.0
			L_{max}	83.3	81.1	nil	nil	nil	78.1	81.8	nil	nil	nil	68.9	65.2
		Evening	L_{170}	60.6	60.0	nil	nil	nil	61.9	61.1	nil	nil	nil	59.2	60.0
			L_{250}	52.8	53.9	nil	nil	nil	54.4	51.9	nil	nil	nil	53.0	53.1
			L_{eq}	58.0	57.9	nil	nil	nil	58.5	58.0	nil	nil	nil	57.6	58.2
			L_{max}	67.6	66.2	nil	nil	nil	65.8	63.2	nil	nil	nil	66.2	68.7
		Night	L_{170}	57.5	57.3	nil	nil	nil	56.5	58.7	nil	nil	nil	60.6	62.6
			L_{250}	52.1	52.0	nil	nil	nil	52.2	51.5	nil	nil	nil	58.7	57.5
			L_{eq}	54.9	54.9	nil	nil	nil	54.3	55.2	nil	nil	nil	59.1	60.2
			L_{max}	63.1	64.9	nil	nil	nil	59.9	64.4	nil	nil	nil	68.0	64.3
202	7/F., Blk 15A, Laguna Verde, Hung Hom, Kowloon	Day	L_{170}	61.1	nil	nil	nil	nil	65.1	nil	nil	nil	nil	67.4	66.5
			L_{250}	40.9	nil	nil	nil	nil	45.8	nil	nil	nil	nil	65.0	64.4
			L_{eq}	48.9	nil	nil	nil	nil	55.4	nil	nil	nil	nil	66.3	65.5
			L_{max}	79.7	nil	nil	nil	nil	91.3	nil	nil	nil	nil	74.8	72.6
		Evening	L_{170}	63.1	nil	nil	nil	nil	59.9	nil	nil	nil	nil	67.7	67.6
			L_{250}	42.0	nil	nil	nil	nil	53.4	nil	nil	nil	nil	65.4	65.2
			L_{eq}	57.6	nil	nil	nil	nil	59.6	nil	nil	nil	nil	66.6	67.3
			L_{max}	80.3	nil	nil	nil	nil	84.4	nil	nil	nil	nil	73.6	89.4
		Night	L_{170}	57.6	nil	nil	nil	nil	52.0	nil	nil	nil	nil	45.6	40.9
			L_{250}	51.1	nil	nil	nil	nil	33.5	nil	nil	nil	nil	41.0	39.4
			L_{eq}	56.2	nil	nil	nil	nil	44.7	nil	nil	nil	nil	44.1	40.1
			L_{max}	82.4	nil	nil	nil	nil	78.8	nil	nil	nil	nil	64.8	47.7
203	Rm 2602, Tower 7, Villa Verde, Laguna Verde Phase 2, Hung Hom	Day	L_{170}	63.5	nil	nil	nil	nil	62.8	nil	nil	nil	nil	63.1	57.8
			L_{250}	43.3	nil	nil	nil	nil	43.5	nil	nil	nil	nil	56.1	56.4
			L_{eq}	51.3	nil	nil	nil	nil	53.1	nil	nil	nil	nil	57.5	57.2

			L_{max}	82.1	**nil**	**nil**	**nil**	**nil**	89.0	**nil**	**nil**	**nil**	**nil**	79.3	74.0
		Evening	L_{170}	64.4	**nil**	**nil**	**nil**	**nil**	58.7	**nil**	**nil**	**nil**	**nil**	61.5	66.3
			L_{250}	43.3	**nil**	**nil**	**nil**	**nil**	52.2	**nil**	**nil**	**nil**	**nil**	56.5	58.9
			L_{eq}	58.9	**nil**	**nil**	**nil**	**nil**	58.4	**nil**	**nil**	**nil**	**nil**	59.5	63.6
			L_{max}	81.6	**nil**	**nil**	**nil**	**nil**	83.2	**nil**	**nil**	**nil**	**nil**	86.9	85.9
		Night	L_{170}	58.1	**nil**	**nil**	**nil**	**nil**	53.6	**nil**	**nil**	**nil**	**nil**	66.6	55.4
			L_{250}	51.6	**nil**	**nil**	**nil**	**nil**	35.1	**nil**	**nil**	**nil**	**nil**	55.1	44.4
			L_{eq}	56.7	**nil**	**nil**	**nil**	**nil**	46.3	**nil**	**nil**	**nil**	**nil**	60.3	52.1
			L_{max}	82.9	**nil**	**nil**	**nil**	**nil**	80.4	**nil**	**nil**	**nil**	**nil**	73.1	81.2

Table 1.1 Monitored Noise Levels at Chinese Restaurant at different time periods

Name	Range of L_{eq}			Average
	Breakfast	Lunch	Dinner	
Restaurant A	77.4 ~ 79.1	78.6 ~ 79.7	69.2 ~ 70.7	77.3
Restaurant B	74.6 ~ 75.4	73.1 ~ 73.8	71 ~ 72.3	73.6
Restaurant C	79.2 ~ 79.4	76.2 ~ 78.8	72.7 ~ 73.2	77.4
Restaurant D	-	66.4 ~ 68.5	74.2 ~ 76.1	72.9
Restaurant E	70 ~ 70.2	71 ~ 73	71.2 ~ 71.8	71.3

Table 1.2 Monitored Noise Levels at Non-Chinese Restaurant at different time periods

Name	Spatial Space (m^3)	Range of L_{eq}	
		Lunch	Dinner
Restaurant A	3,200	75.8 ~ 76	71 ~ 71.5
Restaurant B	1,500	81.6 ~ 83.4	71.8 ~ 72.1
Restaurant C	1,750	64.8 ~ 68	72.7 ~ 73.3
Restaurant D	2,625	73.7 ~ 76.3	74.2 ~ 75

Table 1.3 Monitored Noise Levels at Hong Kong Style and Fast Food Court at different time periods

Name	Range of L_{eq}		
	Breakfast	Lunch	Dinner
Restaurant A	65.7 ~ 74.3	68.9 ~ 73.1	68.9 ~ 69.3
Restaurant B	68.5 ~ 70.3	75.2 ~ 78.1	74.2 ~ 75.6
Restaurant C	74.4 ~ 75.9	78 ~ 80	77.4 ~ 79.3

Table 1.4 Monitored Noise Levels at Game Centres

Name	Type	Spatial Space (m^3)	Range of L_{eq} at Player	Range of L_{eq} at Observer
Game Centre A	TV Game	607.5	76.6 ~ 77	76.1 ~ 77.1
Game Centre B	TV Game	1,800	82.1 ~ 83.5	80.5 ~ 86.1
Game Centre C	Adventure	6,000	84.8 ~ 85.6	83.9 ~ 86.1
Game Centre D	TV Game	1,890	82.9 ~ 85.6	81.7 ~ 84.7
Game Centre E	Adventure	2,400	78.4 ~ 80.6	79.6 ~ 84.8

Table 1.5 Monitored Noise Levels at Concert Hall

Name	Activity	Range of L_{eq}	Range of L_{90}
Hong Kong Coliseum	Pop Idol Concert	88.2 ~ 89.4	80.3 ~ 81.6
Hong Kong Cultural Centre	Workshop	80.6 ~ 82.3	72.4 ~ 73.5
Sai Wan Ho Civic Centre	Ballet Performance	74.1 ~ 75.8	54.5 ~ 64.4
Sai Wan Ho Civic Centre (Chinese Opera)	Chinese Opera	83.3 ~ 84.9	74.9 ~ 79.3
Tuen Mun Town Centre	Instrumental Performance – Chinese Cultural Music	65.7 ~ 68.6	58.9 ~ 59.5

Table 1.6 Monitored Noise Levels at swimming pool and beach at different time periods

Name	Range of L_{eq}		Range of L_{10}		Range of L_{90}	
	Day	Evening	Day	Evening	Day	Evening
Morrison Hill Swimming Pool	77.7 ~ 79.8	78 ~ 78.2	81.4 ~ 82	80.3 ~ 80.5	71.8 ~ 77.7	75.2 ~ 76.2
Hanford Garden Swimming Pool	56.6 ~ 65.3	65.1 ~ 65.6	58.6 ~ 67.5	68.4 ~ 69	53.6 ~ 62.4	62 ~ 62.4
Big Wave Bay Beach	66.5 ~ 70.3	60.9 ~ 66	68 ~ 72.7	62 ~ 68.4	54.6 ~ 57.5	55.7 ~ 58.3
Castle Peak Beach	58.9 ~ 59.7	66.8 ~ 67.3	61.8 ~ 63.5	68.6 ~ 72.1	53.6 ~ 54.6	59 ~ 59.3

Table 1.7 Noise Levels observed at barbecue spot at different time periods

Name	Range of L_{eq}		Range of L_{10}		Range of L_{90}	
	Day	Evening	Day	Evening	Day	Evening
Big Wave Bay BBQ Spot	59.9 ~ 66.1	66.1 ~ 71.6	62.5 ~ 68.5	69.3 ~ 74.9	55.1 ~ 56.3	57 ~ 58.3
Castle Peak Beach BBQ Spot	55.6 ~ 56	70.4 ~ 71.9	56.2 ~ 58	73.3 ~ 76.3	52.3 ~ 52.3	58.8 ~ 62.6

Table 1.8 Monitored Noise Levels at Public Park at Different Time Periods

Name	Range of L_{eq}		Range of L_{10}		Range of L_{90}	
	Day	Evening	Day	Evening	Day	Evening
Yuen Long Park	55.4 ~ 55.8	54.2 ~ 54.3	56.8 ~ 57.1	55.3 ~ 55.4	53.5 ~ 54.4	53 ~ 53.1
Morse Park No.3	64.7 ~ 67.6	63.5 ~ 63.5	66 ~ 70	64.6 ~ 65.2	63 ~ 63.2	61 ~ 61.2
Tin Shui Wai Park	54.6 ~ 55.3	53 ~ 53.8	55.7 ~ 57.3	53.8 ~ 54.9	52.6 ~ 53	52.2 ~ 52.3
Victoria Park	65.3 ~ 65.9	66.2 ~ 66.3	68.3 ~ 68.6	68.3 ~ 68.4	60.2 ~ 60.6	64.1 ~ 64.4
Penfold Park	54.3 ~ 54.5	55 ~ 56.6	55.3 ~ 55.4	57.7 ~ 58.1	52.5 ~ 53.5	53.2 ~ 54.3
Kowloon Park	62 ~ 62.2	62.3 ~ 63.2	63 ~ 64	63.8 ~ 65	56.9 ~ 59	60.9 ~ 61

Table 1.9 Monitored Noise Levels at Country Parks at Different Time Periods

Name	Range of L_{eq}		Range of L_{10}		Range of L_{90}	
	Day	Evening	Day	Evening	Day	Evening
Sai Kung West Country Park	59.4 ~ 64.5	59.4 ~ 73.2	61.7 ~ 67.5	63.3 ~ 76.5	54.7 ~ 56.5	50.4 ~ 53.7
Tai Lam Country Park	54.2 ~ 55.4	58.9 ~ 62.6	56.5 ~ 58.9	62 ~ 64.6	45.9 ~ 47.8	53.4 ~ 57.3
Kam Shan Country Park	71.6 ~ 75.8	51.6 ~ 56.3	75.7 ~ 78.5	52.7 ~ 53.8	57.2 ~ 60.6	44.9 ~ 45.7

Table 1.10 Monitored Noise Levels at Undeveloped Area at Different Time Periods

Name	Range of L_{eq}			Range of L_{10}			Range of L_{90}		
	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
Region 1									
Central Reclamation Phase II	64.6 ~ 65.2	57.2 ~ 59.6	60.5 ~ 60.8	67.4 ~ 72.2	59.3 ~ 60.5	62.2 ~ 62.4	63.7 ~ 68.3	56.4 ~ 58.3	58.0 ~ 58.4
Redevelopment for North Point Estate	63.1 ~ 63.6	62.4 ~ 63.3	62.1 ~ 62.8	64.6 ~ 64.9	63.8 ~ 64.4	63.7 ~ 64.1	59.1 ~ 59.8	60.9 ~ 64.9	59.9 ~ 60.9
Region 2									
South East Kowloon Redevelopment at Kai Tak	55.2 ~ 55.2	55.9 ~ 56.1	55.8 ~ 55.9	56.1 ~ 56.5	57.2 ~ 57.6	57.3 ~ 57.4	54.3 ~ 54.4	54 ~ 54.4	53.7 ~ 54
Development at Tai Po Tsai	48.5 ~ 48.5	47.5 ~ 50.9	48 ~ 48.3	50.1 ~ 50.3	48.6 ~ 52.8	49.4 ~ 49.7	45.1 ~ 46	46.2 ~ 48.4	46.1 ~ 46.7
Region 3									
West Kowloon Leisure Central at West Kowloon Reclamation	59.2 ~ 60.6	63.0 ~ 63.3	62.0 ~ 62.4	60.3 ~ 62.9	64.8 ~ 65.5	65.3 ~ 66.0	58.1 ~ 58.5	54.6 ~ 54.7	53.1 ~ 53.5
Tuen Mun Area 54 near Siu Hang Tsuen	58.0 ~ 59.9	50.0 ~ 51.0	51.7 ~ 51.9	59.8 ~ 62.7	52.8 ~ 53.4	58.1 ~ 59.0	49.8 ~ 50.3	44.9 ~ 45.4	44.7 ~ 47.1
Region 4									
Whitehead Development at Whitehead	55.8 ~ 56.1	48.2 ~ 48.6	44.1 ~ 44.8	58.1 ~ 59	49.1 ~ 49.5	45.5 ~ 46.4	52.4 ~ 52.5	46 ~ 46.1	41.8 ~ 42
Fung Lok Wai	41.3 ~ 42.6	42.3 ~ 43.6	42.7 ~ 43.1	43.2 ~ 44.1	44 ~ 45.7	44.3 ~ 44.9	39.1 ~ 39.9	40.4 ~ 41.4	41.1 ~ 41.2

Table 1.11 Monitored Noise Levels for Personal Audio Player

Name	Description			Ambient*	Simulated noise at artificial head*	
					Left	Right
	Location	Music Played	Age Group	L_{eq} dB(A)	L_{eq} dB(A)	L_{eq} dB(A)
Transportation						
Car	Journey from Kwai Fong to Tseung Kwan O	Pop	31-40	69.6	80.2	80.1
Bicycle	A Private Cycling Park at Ma On Shan, Shatin	Heavy Metal	21-30	58.3	77.5	78.0
Bus	Lower Deck of KMB Air Conditioned Bus Route 67M (Kwai Fong to Tuen Mun)	Pop	21-30	78.2	89.6	91.6
MTR	Kwun Tong Line (Yau Ma Tei to Tiu King Ling)	Pop	31-40	80.3	93.4	96.4
KCR West Rail	Tuen Mun to Mei Foo	Classic	21-30	73.1	88.3	88.8
KCR East Rail	Tsim Sha Tsui East to Sheung Shui	Radio	>40	72.7	90.6	91.5
Non-Transportation						
Country Park	Ma On Shan Country Park	Pop	31-40	51.5	81.1	83.2
Office	Tower 1, Metro Plaza, Kwai Fong	Radio	21-30	49.3	78.0	79.4
Food Court	Café de Coral in Food Court of Metro Plaza	Classic	21-30	77.0	84.5	85.0
Along Busy Local Road	Hing Fong Road, in proximity to Kwai Fong MTR station	Pop	31-40	75.3	86.9	90.3

Summary of Noise Monitoring Results at Social Venues **Appendix B**

Sample No	Date of Measurement	Type of Social Venue	Name of Venue	Address	Monitoring Time Category		Noise Level (dB(A))									
							Indoor (DSU 1)					Indoor (DSU 2)				
							Specified Position	Reference Position				Specified Positioin	Reference Position			
							E1	R1	R2	R3	R4	E1	R1	R2	R3	R4
1	10-Jun-04	Concert Hall	Hong Kong Coliseum	9 Cheung Wan Rd., Hung Hom, Kowloon	Event time	L_{10}	94.0	nil	nil	nil	nil	93.7	nil	nil	nil	nil
						L_{90}	81.6	nil	nil	nil	nil	80.3	nil	nil	nil	nil
						L_{eq}	88.2	nil	nil	nil	nil	89.4	nil	nil	nil	nil
						L_{max}	94.3	nil	nil	nil	nil	99.2	nil	nil	nil	nil
2	20-Jun-04	Chinese Restaurant	Golden Lake Chinese Restaurant	Basement, Yick Cheong Building, Quarry Bay, Hong Kong	Breakfast	L_{10}	81.0	80.6	80.5	82.7	80.8	80.3	81.8	79.5	81.2	80.0
						L_{90}	73.6	72.5	74.0	74.7	73.9	71.8	72.9	73.7	73.5	74.0
						L_{eq}	79.1	77.4	77.9	79.6	78.3	77.4	79.1	77.7	78.2	78.1
						L_{max}	102.7	86.0	86.4	87.9	90.5	92.7	88.6	84.6	86.6	88.1
					Lunch	L_{10}	83.2	80.6	84.3	84.1	82.7	82.6	79.4	80.4	79.7	85.0
						L_{90}	75.9	73.8	73.4	75.4	75.0	73.0	73.2	73.3	73.5	73.7
						L_{eq}	78.6	77.5	80.7	80.9	79.7	79.7	76.9	77.7	77.6	81.7
						L_{max}	85.2	80.7	90.2	91.1	84.4	90.3	83.9	85.5	85.9	91.3
					Dinner	L_{10}	77.5	73.7	nil	nil	nil	76.0	73.5	nil	nil	nil
						L_{90}	70.0	67.2	nil	nil	nil	58.0	67.5	nil	nil	nil
						L_{eq}	70.7	69.0	nil	nil	nil	69.2	68.5	nil	nil	nil
						L_{max}	83.6	81.0	nil	nil	nil	85.2	80.3	nil	nil	nil
3	02-Jul-04	Chinese Restaurant	Maxim Chinese Restaurant	4/F, Kai Tin Shopping Centre, Kai Tin Estate, Lam Tin, Kowloon	Breakfast	L_{10}	78.2	76.4	77.1	nil	nil	77.5	76.1	75.9	nil	nil
						L_{90}	72.9	72.6	72.9	nil	nil	72.5	71.8	72.0	nil	nil
						L_{eq}	75.4	73.4	74.2	nil	nil	74.6	73.1	73.0	nil	nil
						L_{max}	87.1	82.1	83.5	nil	nil	85.3	82.1	80.6	nil	nil
					Lunch	L_{10}	78.6	77.9	78.1	nil	nil	77.5	76.3	75.9	nil	nil
						L_{90}	71.4	71.0	71.2	nil	nil	70.7	70.0	69.7	nil	nil
						L_{eq}	73.8	72.1	72.3	nil	nil	73.1	72.2	71.9	nil	nil
						L_{max}	85.6	80.1	83.5	nil	nil	83.3	80.5	78.4	nil	nil
					Dinner	L_{10}	78.2	76.5	76.1	nil	nil	79.1	75.4	76.0	nil	nil
						L_{90}	68.3	67.6	67.5	nil	nil	70.2	69.1	69.5	nil	nil
						L_{eq}	71.0	70.3	69.9	nil	nil	72.3	71.4	71.5	nil	nil
						L_{max}	84.0	82.5	83.1	nil	nil	85.5	83.6	82.9	nil	nil
4	06-Jul-04	Concert Hall	Hong Kong Cultural Centre	Salisbury Road, TST, Kowloon	Event time	L_{10}	85.3	nil	nil	nil	nil	86.0	nil	nil	nil	nil
						L_{90}	72.4	nil	nil	nil	nil	73.5	nil	nil	nil	nil
						L_{eq}	80.6	nil	nil	nil	nil	82.3	nil	nil	nil	nil
						L_{max}	90.5	nil	nil	nil	nil	91.7	nil	nil	nil	nil
5	27-Jul-04	Game Centre	Mong Bar Game Center	Hai An Street, Sai Wa Ho, Hong Kong	Happy Hour	L_{10}	79.5	78.5	78.8	nil	nil	78.9	79.1	79.5	nil	nil
						L_{90}	73.2	72.4	72.7	nil	nil	72.8	73.0	73.1	nil	nil
						L_{eq}	77.0	76.1	76.5	nil	nil	76.6	76.9	77.1	nil	nil
						L_{max}	86.6	87.0	87.4	nil	nil	86.4	87.5	86.9	nil	nil

6	29-Jul-04	Game Centre	Shun Kam Game Center	2/F, New Town Arcade, No. 2, Tuen Lee Street, Tuen Mun, N.T.	Happy Hour	L_{10}	85.7	84.4	83.3	84.7	nil	84.3	86.4	88.0	87.8	nil
						L_{90}	79.2	78.8	75.9	77.0	nil	79.1	80.9	83.6	71.1	nil
						L_{eq}	83.5	82.1	80.5	82.9	nil	82.1	84.3	86.1	85.1	nil
						L_{max}	90.4	88.7	90.3	96.4	nil	89.1	93.4	89.9	95.2	nil
7	29-Jul-04	Karaoke	Neway Karaoke	3/F, Phase 1, Causeway Bay Plaza, Causeway Bay, Hong Kong	Happy Hour	L_{10}	86.6	84.6	nil	nil	nil	92.3	89.8	nil	nil	nil
						L_{90}	69.4	69.0	nil	nil	nil	70.5	69.2	nil	nil	nil
						L_{eq}	82.2	81.0	nil	nil	nil	87.5	85.3	nil	nil	nil
						L_{max}	95.6	90.2	nil	nil	nil	99.5	90.6	nil	nil	nil
8	29-Jul-04	Lounge or Bar	Ko Tak Bo Bar	No. 2A, Sam Shing Street, Castle Peak Road, Tuen Mun, N.T.	Happy Hour	L_{10}	81.9	82.2	81.2	80.5	nil	81.0	82.0	82.4	80.6	nil
						L_{90}	72.9	75.3	75.7	74.0	nil	70.7	76.8	76.1	74.0	nil
						L_{eq}	79.0	80.1	80.3	78.2	nil	78.3	79.7	80.4	78.0	nil
						L_{max}	94.9	88.2	87.6	85.6	nil	88.2	86.9	89.3	85.3	nil
9	31-Jul-04	Game Centre	Jumpin Gym U.S.A	2/F, City Plaza, Tai Koo Shing, Hong Kong	Happy Hour	L_{10}	87.5	87.0	87.2	87.5	88.0	88.2	89.0	88.0	86.9	87.2
						L_{90}	79.7	79.9	80.1	80.2	86.6	79.7	80.2	80.5	81.1	80.8
						L_{eq}	84.8	84.0	84.2	84.2	84.9	85.6	86.1	85.4	83.9	84.0
						L_{max}	100.0	98.5	99.2	99.1	99.5	100.6	100.5	99.7	99.4	99.2
10	02-Aug-04	Western Restaurant	Chalon Western Restaurant	2/F, Jusco Store, Kornhill Plaza, Quarry Bay, Hong Kong	Lunch	L_{10}	77.7	78.4	79.0	nil	nil	78.4	78.5	78.8	nil	nil
						L_{90}	72.6	72.4	72.5	nil	nil	72.0	72.6	73.0	nil	nil
						L_{eq}	75.8	76.1	77.1	nil	nil	76.0	76.5	76.8	nil	nil
						L_{max}	93.1	88.8	88.9	nil	nil	92.1	89.1	88.5	nil	nil
					Dinner	L_{10}	78.6	76.3	77.1	nil	nil	76.5	76.2	75.8	nil	nil
						L_{90}	70.0	68.1	68.5	nil	nil	68.1	68.0	67.6	nil	nil
						L_{eq}	71.5	70.6	70.8	nil	nil	71.0	70.4	70.0	nil	nil
						L_{max}	84.5	87.1	81.6	nil	nil	85.2	83.4	82.9	nil	nil
11	03-Aug-04	Public Park	Yuen Long Park	Yuen Long	Day	L_{10}	56.8	56.2	55.2	57.0	55.6	57.1	56.3	56.5	56.9	56.9
						L_{90}	53.5	53.1	53.0	53.8	52.9	54.4	54.0	54.4	54.1	54.1
						L_{eq}	55.4	54.6	54.2	55.4	54.4	55.8	55.2	55.9	55.6	55.4
						L_{max}	63.0	59.7	58.2	60.7	58.4	64.0	59.2	58.8	59.8	59.5
					Evening	L_{10}	55.4	54.8	54.1	57.3	55.2	55.3	54.5	54.2	54.9	54.6
						L_{90}	53.1	52.8	52.6	53.6	52.7	53.0	52.9	52.9	53.4	53.3
						L_{eq}	54.3	53.7	53.3	55.3	53.7	54.2	53.8	53.5	54.1	54.4
						L_{max}	60.9	58.7	56.3	59.0	56.6	59.5	57.4	56.0	57.1	57.4
12	05-Aug-04	Public Park	Morse Park No. 3	No. 40, Fung Mo Street, Wong Tai Sin, Kowloon	Day	L_{10}	70.0	58.8	60.8	63.4	67.4	66.0	58.8	59.0	66.0	65.4
						L_{90}	63.2	55.8	54.8	56.8	58.4	63.0	56.2	54.9	57.2	57.2
						L_{eq}	67.6	57.4	58.4	61.4	64.3	64.7	57.5	57.2	69.2	62.1
						L_{max}	82.6	63.0	71.4	73.4	73.4	76.9	61.9	69.2	71.0	69.9
					Evening	L_{10}	64.6	55.8	58.4	56.4	62.8	65.2	56.4	56.2	60.0	65.2
						L_{90}	61.2	53.6	54.4	52.8	56.2	61.0	54.2	54.0	52.6	56.8
						L_{eq}	63.5	55.1	59.3	54.9	60.3	63.5	55.4	55.7	58.3	62.2
						L_{max}	88.4	63.5	79.6	62.9	71.5	76.1	63.0	69.3	72.9	67.6
13	05-Aug-04	Public Park	Tin Shui Wai Park	Tin Shui Wai, Yuen Long, N.T.	Day	L_{10}	57.3	57.9	55.1	53.4	55.3	55.7	54.4	56.1	57.4	54.3
						L_{90}	53.0	52.7	50.9	51.0	52.0	52.6	51.6	51.7	52.5	51.5
						L_{eq}	55.3	53.8	53.2	52.3	53.7	54.6	53.1	54.0	55.0	53.0

						L_{max}	66.7	58.4	60.5	59.3	58.2	69.5	60.7	60.1	63.2	59.2
					Evening	L_{10}	53.8	54.0	54.0	53.6	55.0	54.9	55.9	53.7	53.7	55.3
						L_{90}	52.2	52.6	52.8	52.1	53.1	52.3	53.6	52.1	52.5	53.3
						L_{eq}	53.0	53.4	53.4	52.9	53.9	53.8	54.7	52.9	53.2	54.3
						L_{max}	60.0	56.0	55.7	55.4	55.9	64.9	57.3	55.2	56.7	58.1
14	05-Aug-04	Public Park	Victoria Park	Causeway Road, Causeway Bay, Hong Kong	Day	L_{10}	68.6	70.8	65.4	66.9	65.3	68.3	68.0	68.2	68.1	67.5
						L_{90}	60.6	62.9	62.4	61.7	61.2	60.2	63.5	62.6	62.2	60.0
						L_{eq}	65.9	68.0	64.0	64.8	63.7	65.3	66.2	65.8	65.3	64.5
						L_{max}	82.7	82.0	72.9	73.5	74.8	83.8	77.5	73.1	74.1	76.3
					Evening	L_{10}	68.4	70.5	69.9	68.6	68.5	68.3	69.0	68.4	68.8	68.5
						L_{90}	64.4	64.5	65.0	64.5	64.6	64.1	65.2	64.8	65.0	64.9
						L_{eq}	66.2	68.0	67.1	66.6	66.0	66.3	67.5	67.1	66.8	66.5
						L_{max}	77.8	84.0	79.1	75.0	77.0	74.9	76.1	75.3	76.3	77.0
15	06-Aug-04	Public Park	Penfold Park	Shatin, N.T.	Day	L_{10}	55.3	54.9	55.2	55.5	55.0	55.4	55.2	55.6	54.6	54.1
						L_{90}	53.5	52.8	53.9	53.6	52.6	52.5	53.4	53.6	52.1	51.9
						L_{eq}	54.5	53.5	54.6	54.6	54.0	54.3	54.5	54.7	53.4	52.9
						L_{max}	62.9	57.1	58.1	60.8	61.7	64.3	62.8	63.1	56.6	58.4
					Evening	L_{10}	57.7	55.6	57.1	55.5	55.6	58.1	54.9	54.8	58.2	56.8
						L_{90}	53.2	54.0	53.9	53.7	53.9	54.3	53.2	53.0	53.5	54.8
						L_{eq}	55.0	54.8	56.7	54.6	54.7	56.6	54.3	54.1	56.1	55.6
						L_{max}	58.7	56.8	60.6	58.4	57.3	67.2	60.0	59.0	60.6	61.0
16	06-Aug-04	Lounger or Bar	Flying Dragon Bar	Hoi Tai Street, Quarry Bay, Hong Kong	Happy Hour	L_{10}	74.0	75.1	76.2	nil	nil	80.1	81.2	82.3	nil	nil
						L_{90}	66.9	67.0	67.5	nil	nil	69.8	69.9	68.7	nil	nil
						L_{eq}	72.1	73.4	73.9	nil	nil	77.8	78.0	76.5	nil	nil
						L_{max}	93.4	95.1	94.2	nil	nil	96.8	93.4	91.5	nil	nil
17	06-Aug-04	Game Centre	Star Game Center	Star House, Salisbury Road, Tsuem Sha Tsui, Kowloon	Happy Hour	L_{10}	90.5	92.0	91.5	92.0	88.5	92.5	92.0	90.5	92.5	90.0
						L_{90}	78.0	79.5	78.5	79.0	78.0	85.5	81.5	78.0	80.0	77.0
						L_{eq}	82.9	83.1	83.7	84.7	82.1	85.6	84.1	82.5	84.1	81.7
						L_{max}	96.2	95.4	97.7	97.8	94.7	97.0	97.0	95.7	96.3	93.5
18	07-Aug-04	Game Centre	Jumpin Gym U.S.A.	Sceneway Plaza, Lam Tin, Kowloon	Happy Hour	L_{10}	80.9	79.4	86.2	nil	nil	83.0	82.1	80.9	nil	nil
						L_{90}	75.3	81.2	79.4	nil	nil	75.2	79.5	78.1	nil	nil
						L_{eq}	78.4	84.8	83.1	nil	nil	80.6	80.8	79.6	nil	nil
						L_{max}	85.2	90.7	94.0	nil	nil	86.2	83.7	82.2	nil	nil
19	07-Aug-04	Public Park	Kowloon Park	Nathan Road, Kowloon	Day	L_{10}	63.0	62.6	61.9	61.9	63.2	64.0	62.0	61.2	63.8	62.5
						L_{90}	59.0	58.4	57.5	57.7	57.1	56.9	57.7	57.3	58.0	59.2
						L_{eq}	62.0	60.6	60.5	60.5	60.8	62.2	60.4	60.9	61.1	60.3
						L_{max}	77.4	64.0	71.1	71.1	69.5	78.4	69.4	70.7	68.1	65.5
					Evening	L_{10}	65.0	62.7	63.8	63.7	63.4	63.8	65.4	65.0	64.3	63.4
						L_{90}	61.0	60.3	60.4	61.3	61.3	60.9	61.4	60.6	59.8	60.1
						L_{eq}	63.2	61.5	62.4	62.5	62.4	62.3	63.8	63.1	62.6	61.9
						L_{max}	74.8	68.3	71.7	66.5	65.6	70.2	72.2	69.4	76.8	68.4
20	07-Aug-04	Country Park	Sai Kung West Country Park	Pak Tam, Sai Kung	Day	L_{10}	67.5	54.6	58.7	48.1	46.1	61.7	55.0	57.8	47.9	45.6
						L_{90}	56.5	50.7	54.9	41.5	41.6	54.7	51.1	57.5	41.7	41.4

						L_{eq}	64.5	53.1	57.2	44.7	45.2	59.4	53.4	56.1	45.0	44.4
						L_{max}	83.3	67.8	68.1	52.9	64.1	76.1	69.2	66.8	51.1	60.5
					Evening	L_{10}	76.5	48.6	48.7	46.2	46.7	63.3	48.4	48.5	46.8	46.6
						L_{90}	53.7	46.6	46.5	40.7	40.5	50.4	46.8	46.6	40.4	40.6
						L_{eq}	73.2	48.4	48.1	44.1	44.6	59.4	48.1	48.1	44.5	44.3
						L_{max}	94.5	61.4	60.9	51.0	52.7	77.6	59.2	61.5	53.6	51.7
21	07-Aug-04	Beach	Big Wave Bay Beach	Big Wave Bay, Hong Kong	Day	L_{10}	80.7	70.1	75.0	73.9	70.5	68.0	67.5	69.2	70.1	70.5
						L_{90}	50.0	58.1	56.3	54.0	53.5	59.5	58.0	58.5	59.6	59.1
						L_{eq}	75.3	72.0	72.5	71.1	71.0	66.5	65.1	67.0	66.9	67.8
						L_{max}	88.6	81.1	79.2	81.5	58.0	88.5	75.3	76.2	81.1	82.3
					Evening	L_{10}	62.0	62.1	70.3	71.2	70.9	68.4	61.5	70.3	71.0	72.2
						L_{90}	55.7	56.8	57.1	58.2	59.3	58.3	55.9	57.1	56.5	58.0
						L_{eq}	60.9	59.9	67.5	68.5	68.0	66.0	64.8	68.1	69.0	69.8
						L_{max}	71.3	76.0	73.3	75.4	76.1	87.4	83.1	79.3	77.6	75.2
22	07-Aug-04	Barbecue Spot	Big Wave Bay BBQ Spot	Big Wave Bay, Hong Kong	Day	L_{10}	62.5	60.2	64.0	61.0	65.2	68.5	69.3	71.4	70.5	72.3
						L_{90}	55.1	56.1	55.4	54.9	57.0	56.3	57.0	58.1	55.9	59.1
						L_{eq}	59.9	59.2	62.1	59.2	63.5	66.1	65.9	67.8	66.4	69.2
						L_{max}	75.8	71.5	72.4	71.0	61.5	86.3	90.5	91.2	82.3	83.6
					Evening	L_{10}	69.3	72.3	65.4	64.6	70.5	74.9	71.2	70.5	74.9	72.3
						L_{90}	57.0	56.9	51.3	52.7	52.4	58.3	56.3	54.2	53.5	57.0
						L_{eq}	66.1	66.9	65.1	63.0	69.1	71.6	69.3	67.5	68.4	69.1
						L_{max}	84.1	86.2	89.7	89.3	91.6	92.0	90.6	88.7	86.3	87.4
23	08-Aug-04	Beach	Castle Peak Beach	Castle Peak Road, Castle Peak Bay Section	Day	L_{10}	63.5	64.7	67.1	68.2	63.7	61.8	62.9	68.1	70.2	60.6
						L_{90}	53.6	56.9	57.8	60.2	57.1	54.6	56.7	58.4	61.1	56.3
						L_{eq}	58.9	59.8	65.9	64.3	60.7	59.7	59.9	65.0	64.9	57.8
						L_{max}	76.3	69.3	69.0	71.7	66.5	67.4	68.2	70.7	73.1	70.2
					Evening	L_{10}	68.6	69.2	65.4	64.9	61.5	72.1	66.8	65.3	64.3	60.9
						L_{90}	59.3	57.1	57.8	57.5	51.5	59.0	57.1	58.0	57.3	56.4
						L_{eq}	66.8	65.2	61.5	61.2	60.0	67.3	64.7	62.7	60.8	59.1
						L_{max}	86.3	79.2	87.8	74.7	65.3	83.8	81.2	75.5	76.6	68.5
24	8-Aug-04	Barbecue Spot	Castle Peak Beach BBQ Spot	Castle Peak Road, Castle Peak Bay Section	Day	L_{10}	58.0	63.7	57.1	58.4	62.0	56.2	57.8	57.8	60.0	61.2
						L_{90}	52.3	52.5	49.9	53.1	58.7	52.3	53.9	52.4	53.1	51.6
						L_{eq}	55.6	59.6	54.2	56.1	59.6	56.0	56.4	55.8	57.6	58.2
						L_{max}	64.2	68.1	60.5	64.9	67.3	65.2	67.2	65.5	72.8	66.1
					Evening	L_{10}	73.3	68.6	71.6	70.6	68.7	76.3	69.0	72.3	71.2	69.8
						L_{90}	58.8	61.3	63.4	62.4	61.4	62.6	62.0	62.4	62.1	62.8
						L_{eq}	71.9	65.7	68.7	68.2	66.7	70.4	66.1	68.8	67.9	67.4
						L_{max}	82.0	73.5	77.8	85.3	78.7	83.3	75.1	80.2	81.1	74.4
25	8-Aug-04	Country Park	Tai Lam Country Park	Maclehose Trial (Phase 9 & 10)	Day	L_{10}	56.5	54.6	51.5	52.1	52.3	58.9	55.9	52.1	52.4	52.1
						L_{90}	45.9	48.9	46.5	46.7	46.7	47.8	47.8	46.9	46.7	46.8
						L_{eq}	54.2	52.6	49.4	49.2	49.5	55.4	54.1	50.2	49.8	49.4
						L_{max}	73.8	66.5	57.6	57.3	58.3	73.2	70.1	60.0	58.7	56.9
					Evening	L_{10}	64.6	70.7	57.6	60.1	65.9	62.0	70.8	57.4	61.2	66.8

						L_{90}	57.3	70.0	55.9	56.5	57.1	53.4	70.1	56.2	56.7	57.4
						L_{eq}	62.6	70.4	56.8	58.9	65.5	58.9	70.4	56.5	59.3	65.8
						L_{max}	78.9	71.2	60.0	62.0	67.1	74.5	72.8	63.1	67.8	69.6
26	14-Aug-04	Country Park	Kam Shan Country Park	Golden Hill Road, Kowloon	Day	L_{10}	75.7	67.1	65.7	58.4	68.1	78.5	65.7	58.6	72.2	74.9
						L_{90}	57.2	54.0	55.9	51.7	55.5	60.6	51.8	50.6	55.9	59.2
						L_{eq}	71.6	62.7	62.6	56.3	64.5	75.8	63.0	56.5	68.8	71.8
						L_{max}	90.6	73.1	72.1	71.9	82.0	96.1	77.0	71.0	82.0	85.7
					Evening	L_{10}	63.8	49.5	54.2	50.4	49.8	52.7	49.1	54.9	49.1	51.2
						L_{90}	44.9	47.6	52.7	47.9	48.7	45.7	47.8	52.6	47.7	47.2
						L_{eq}	56.3	48.8	53.6	49.0	49.6	51.6	48.5	54.7	48.4	49.4
						L_{max}	79.8	57.6	56.0	54.6	58.1	67.0	49.9	65.3	55.5	58.1
27	15-Aug-04	Western Restaurant	Chuk Yuen Vietnamese Restaurant	G/F, 939 King's Road, Quarry Bay, Hong Kong	Lunch	L_{10}	86.5	82.2	83.2	83.6	80.5	84.7	81.9	79.8	86.3	82.0
						L_{90}	77.5	76.4	78.3	78.3	75.5	74.5	76.0	72.8	78.8	75.8
						L_{eq}	83.4	80.6	81.0	81.4	78.3	81.6	79.8	77.2	83.3	79.5
						L_{max}	94.5	85.1	87.4	86.3	83.5	95.7	84.0	82.8	92.3	88.6
					Dinner	L_{10}	73.1	71.6	73.6	73.4	73.8	74.3	71.3	73.6	72.9	73.9
						L_{90}	64.1	66.8	67.4	68.1	68.6	68.2	66.8	66.4	66.7	66.8
						L_{eq}	72.0	69.0	70.9	71.7	71.6	71.8	70.2	70.1	70.0	69.3
						L_{max}	88.4	74.6	79.5	81.2	75.8	82.4	73.8	75.9	75.9	79.6
28	15-Aug-04	Lounge or Bar	Fish Bar	G/F, Parkview Commercial Building, 9-11 Shelter Street, Hong Kong	Happy Hour	L_{10}	81.5	73.9	80.4	77.9	78.2	83.5	80.3	81.0	81.9	81.2
						L_{90}	60.1	65.1	63.2	60.9	63.9	61.5	65.0	68.5	69.4	68.6
						L_{eq}	76.8	69.2	76.3	74.2	74.4	79.3	76.5	77.3	78.3	77.6
						L_{max}	91.2	80.6	87.6	89.3	83.0	91.5	87.9	84.3	85.7	86.8
29	19-Aug-04	Hong Kong Style Café & Food Court	Café De Coral	Hong Kong Polytechnic University	Breakfast	L_{10}	78.7	76.4	77.5	78.1	74.2	67.5	72.4	70.2	70.5	69.6
						L_{90}	52.6	58.5	59.3	60.2	61.3	61.7	57.6	60.2	60.9	61.0
						L_{eq}	74.3	72.5	73.6	73.4	72.5	65.7	68.2	66.3	67.4	65.9
						L_{max}	83.9	84.5	85.1	81.1	74.8	79.3	81.7	78.5	80.2	77.9
					Lunch	L_{10}	75.5	72.3	76.7	71.0	73.1	71.4	73.3	71.9	70.6	72.0
						L_{90}	68.2	65.7	64.0	61.4	64.5	63.9	65.6	63.8	63.1	65.9
						L_{eq}	73.1	69.9	73.2	68.2	70.1	68.9	70.9	69.1	68.1	70.1
						L_{max}	79.8	80.0	80.7	72.2	60.9	78.2	86.2	81.2	75.6	87.4
					Dinner	L_{10}	77.0	76.5	76.7	nil	nil	76.5	75.5	75.9	nil	nil
						L_{90}	67.5	67.5	67.6	nil	nil	67.5	67.0	67.3	nil	nil
						L_{eq}	69.3	69.2	69.4	nil	nil	68.9	68.5	68.7	nil	nil
						L_{max}	82.5	88.3	79.8	nil	nil	80.7	81.2	80.3	nil	nil
30	25-Aug-04	Western Restaurant	Beppu Menkan Japan Restaurant	2/F, JP Plaza, Causeway Bay, Hong Kong	Lunch	L_{10}	66.8	69.8	67.8	68.1	68.2	70.4	65.9	65.7	64.2	66.0
						L_{90}	54.7	62.6	59.3	60.7	60.7	61.9	59.9	57.6	59.2	59.4
						L_{eq}	64.8	68.2	65.4	66.1	65.5	68.0	63.4	62.6	62.3	63.6
						L_{max}	81.5	89.6	78.7	79.9	74.9	80.8	73.1	70.8	70.0	74.9
					Dinner	L_{10}	74.7	74.8	75.0	73.6	nil	75.5	74.2	73.5	76.0	nil
						L_{90}	59.6	69.0	69.2	68.5	nil	70.2	70.0	69.5	70.8	nil
						L_{eq}	72.7	82.5	72.6	71.8	nil	73.3	72.0	71.4	72.8	nil
						L_{max}	86.7	84.3	85.1	86.2	nil	84.2	83.7	87.1	81.9	nil

31	27-Aug-04	Hong Kong Style Café & Food Court	Food Court at Jusco Store	Jusco Store, Hong On Street, Quarry Bay, Hong Kong	Breakfast	L_{10}	70.8	70.6	74.5	73.1	71.7	73.1	75.7	74.7	72.6	73.2
						L_{90}	64.5	65.3	68.3	68.2	69.2	65.0	67.8	67.4	67.2	69.4
						L_{eq}	68.5	68.5	72.3	71.1	71.0	70.3	72.7	72.2	71.0	70.5
						L_{max}	81.5	79.0	73.1	80.2	85.3	84.0	81.3	84.2	87.5	80.1
					Lunch	L_{10}	80.2	79.2	82.7	79.0	80.3	78.0	81.4	78.7	77.3	77.5
						L_{90}	72.3	71.9	70.6	71.6	72.7	70.9	70.9	72.8	71.9	72.7
						L_{eq}	78.1	75.6	78.6	76.2	77.3	75.2	77.8	76.2	75.2	75.3
						L_{max}	90.5	87.1	89.4	84.8	88.5	88.8	90.4	86.3	84.1	82.9
					Dinner	L_{10}	77.7	79.6	75.9	82.8	83.2	76.1	78.6	78.8	82.7	80.0
						L_{90}	75.6	72.0	71.3	72.8	71.0	71.3	70.4	71.3	71.1	70.4
						L_{eq}	76.1	77.2	74.3	79.3	78.7	74.2	76.0	76.4	78.4	77.2
						L_{max}	85.2	89.5	84.8	82.4	90.6	81.1	87.6	89.7	89.0	91.9
32	27-Aug-04	Hong Kong Style Café & Food Court	Green Grass Land Restaurant	Shop No. 4-5, Fook Yee Building, No. 228 Shau Kei Wan Road, Hong Kong	Breakfast	L_{10}	75.9	79.9	78.9	76.6	75.5	77.3	80.5	80.0	76.5	76.5
						L_{90}	72.7	72.6	71.4	71.8	70.2	69.9	72.3	71.2	70.9	70.7
						L_{eq}	75.9	77.1	76.5	74.7	73.4	74.4	77.9	76.3	74.3	74.2
						L_{max}	88.2	84.8	90.1	84.6	80.9	87.3	88.9	85.8	82.1	83.5
					Lunch	L_{10}	83.2	71.3	79.5	77.7	78.1	81.1	79.9	79.2	77.9	77.4
						L_{90}	72.2	71.9	71.8	71.8	72.2	72.6	71.9	70.9	70.7	70.6
						L_{eq}	80.0	77.2	76.7	75.3	75.7	78.0	76.9	76.1	75.0	74.8
						L_{max}	93.8	87.1	87.7	82.3	83.9	90.5	87.6	86.2	84.7	82.6
					Dinner	L_{10}	80.0	78.4	79.3	79.3	80.6	80.6	81.6	80.6	80.9	80.9
						L_{90}	73.1	72.1	72.4	74.3	72.9	73.8	75.5	74.5	74.6	72.9
						L_{eq}	77.4	76.0	76.7	77.2	77.9	79.3	78.4	78.4	78.3	79.7
						L_{max}	85.7	82.5	83.3	83.0	85.0	88.5	86.2	84.0	86.4	85.5
33	28-Aug-04	Chinese Restaurant	Star Seafood Restaurant	2/F, Park Lane Plaza, Tuen Mun	Breakfast	L_{10}	81.3	80.7	81.2	76.4	80.1	82.1	81.1	80.8	79.8	80.9
						L_{90}	73.2	73.6	71.5	71.9	72.5	74.5	73.0	73.6	73.0	72.0
						L_{eq}	79.2	78.0	78.9	75.8	77.2	79.4	78.9	78.3	77.3	76.8
						L_{max}	92.4	86.9	92.9	84.3	88.6	90.0	90.4	91.4	86.6	87.9
					Lunch	L_{10}	84.9	80.9	79.7	79.8	79.1	78.6	80.8	81.2	79.1	81.8
						L_{90}	74.4	71.9	73.1	73.5	77.5	71.9	73.0	72.9	71.9	74.4
						L_{eq}	78.8	78.4	76.9	78.4	76.9	76.2	79.2	78.3	75.8	79.0
						L_{max}	88.7	88.1	85.3	96.3	96.5	83.6	96.1	91.2	85.4	88.1
					Dinner	L_{10}	75.2	74.4	73.8	73.6	73.3	74.5	74.9	73.9	74.4	74.0
						L_{90}	70.8	70.6	70.3	69.8	69.8	70.4	71.1	70.5	70.1	70.0
						L_{eq}	73.2	72.6	72.2	71.9	71.6	72.7	73.3	72.3	72.5	72.1
						L_{max}	85.6	83.5	86.3	87.5	86.2	89.7	89.3	87.0	90.9	88.1
34	28-Aug-04	Karaoke	Well in Karaoke Club	Shop 329, 2/F, Level 3, New Town Mansion, 2 Tuen Lee Street, Tuen Mun, N.T.	Happy Hour	L_{10}	84.5	84.7	87.6	86.1	86.5	84.9	86.4	86.8	86.4	87.8
						L_{90}	75.2	74.9	77.3	77.0	75.6	74.8	76.6	75.2	75.0	78.5
						L_{eq}	81.3	81.6	84.4	83.4	82.9	81.9	83.4	83.5	83.0	85.0
						L_{max}	91.9	93.7	96.8	94.3	93.2	95.2	99.7	95.8	92.8	98.3
35	28-Aug-04	Swimming Pool	Morrison Hill Swimming Pool	7 Oi Kwan Road, Wan Chai, Hong Kong	Day	L_{10}	82.0	88.8	81.4	80.6	81.9	81.4	72.0	81.9	80.8	79.7
						L_{90}	71.8	77.7	77.2	77.9	71.3	77.7	72.1	77.2	77.4	76.7
						L_{eq}	77.7	79.3	79.7	79.4	80.3	79.8	79.8	77.6	79.1	78.4

						L_{max}	90.8	95.7	85.9	86.4	84.0	88.3	85.4	85.3	84.5	82.2
					Evening	L_{10}	80.3	79.6	79.2	79.6	80.0	80.5	79.1	79.5	79.4	79.2
						L_{90}	75.2	75.0	75.1	75.3	75.5	76.2	75.5	75.2	75.1	74.9
						L_{eq}	78.0	77.9	77.7	77.7	78.0	78.2	77.5	77.6	77.7	77.2
						L_{max}	85.6	84.0	83.1	82.9	84.5	90.4	83.2	84.2	83.5	82.5
36	28-Aug-04	Swimming Pool	Hanford Garden Swimming Pool	Podium of Hanford Garden, Tuen Mun	Day	L_{10}	58.6	66.2	66.9	69.0	67.7	67.5	66.3	67.5	66.4	68.1
						L_{90}	53.6	61.3	61.9	66.8	61.6	62.4	61.7	62.5	62.6	63.0
						L_{eq}	56.6	64.5	65.0	66.0	65.3	65.3	64.4	65.4	64.6	66.2
						L_{max}	73.6	75.1	74.9	75.4	72.0	73.7	73.6	73.9	73.3	79.7
					Evening	L_{10}	69.0	70.1	70.4	66.2	67.9	68.4	69.4	68.2	66.0	68.3
						L_{90}	62.4	61.9	62.7	60.9	61.8	62.0	62.5	61.7	60.7	62.1
						L_{eq}	65.1	67.4	66.8	64.0	65.6	65.6	67.0	64.2	63.8	65.0
						L_{max}	72.4	74.5	75.5	71.5	72.1	73.9	75.5	73.8	71.8	71.9
37	27-Aug-04	Disco	Baraclay Disco	Luard Road, Wan Chai, Hong Kong	Happy Hour	L_{10}	97.0	90.4	96.2	99.4	98.4	98.5	99.6	99.8	103.7	108.8
						L_{90}	83.0	83.9	85.9	93.4	92.2	82.6	94.7	94.0	95.2	99.1
						L_{eq}	93.7	88.1	92.5	96.9	96.0	94.2	97.4	97.1	100.7	105.7
						L_{max}	111.0	98.2	100.2	105.8	102.6	106.8	102.8	102.4	109.1	114.8
38	28-Aug-04	Disco	Strawberry Disco	Hennessy Road, Wan Chai, Hong Kong	Happy Hour	L_{10}	109.2	100.9	103.7	103.0	103.4	107.2	100.8	103.1	104.3	101.4
						L_{90}	95.5	65.7	95.6	95.8	94.9	89.2	95.1	95.2	96.8	89.2
						L_{eq}	106.2	99.0	100.8	100.3	100.1	102.6	99.0	100.4	101.8	98.0
						L_{max}	119.0	104.4	110.1	109.7	109.9	118.0	105.2	108.9	112.0	107.4
39	29-Aug-04	Concert Hall	Sai Wan Ho Civic Centre	G/F, 111 Shau Kei Wan Rd., Hong Kong	Event time	L_{10}	77.0	79.0	78.8	nil	nil	79.6	80.1	79.3	nil	nil
						L_{90}	64.4	58.2	61.0	nil	nil	54.5	55.2	54.3	nil	nil
						L_{eq}	74.1	75.7	75.0	nil	nil	75.8	76.1	75.4	nil	nil
						L_{max}	87.4	88.0	86.2	nil	nil	86.9	87.9	88.0	nil	nil
40	31-Aug-04	Concert Hall	Sai Wan Ho Civic Centre (Chinese Opera)	G/F, 111 Shau Kei Wan Rd., Hong Kong	Event time	L_{10}	88.4	89.6	88.8	nil	nil	87.0	89.6	87.1	nil	nil
						L_{90}	74.9	76.7	70.9	nil	nil	79.3	77.5	75.1	nil	nil
						L_{eq}	84.9	85.2	84.4	nil	nil	83.3	85.9	85.2	nil	nil
						L_{max}	99.1	97.2	93.2	nil	nil	98.6	97.2	98.9	nil	nil
41	20-Aug-04	Western Restaurant	Spaghetti House	2/F, Pearl City, Causeway Bay, Hong Kong	Lunch	L_{10}	79.0	81.0	81.4	80.5	78.5	76.1	75.4	78.5	78.2	78.9
						L_{90}	71.6	69.3	70.1	71.3	71.2	69.5	68.8	69.3	71.2	70.2
						L_{eq}	76.3	76.1	77.3	77.4	75.2	73.7	73.5	75.3	74.9	75.8
						L_{max}	88.7	82.5	84.5	85.7	80.8	79.2	80.8	82.0	82.0	90.8
					Dinner	L_{10}	76.7	72.6	73.2	80.0	79.3	76.9	81.2	80.4	81.1	80.9
						L_{90}	69.9	66.9	66.2	72.4	73.1	70.7	75.5	74.0	74.7	74.8
						L_{eq}	74.2	70.3	70.5	77.3	76.8	75.0	78.9	77.9	78.6	78.6
						L_{max}	85.9	79.3	83.3	88.0	85.2	87.7	86.7	85.0	88.5	86.8
42	22-Sep-04	Chinese Restaurant	Peking Garden Restaurant	3/F, Star House, Canton Rd., TST, Kowloon	Breakfast	L_{10}	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
						L_{90}	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
						L_{eq}	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
						L_{max}	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
					Lunch	L_{10}	69.5	73.2	77.0	73.9	72.5	71.1	68.9	73.1	72.6	74.7
						L_{90}	61.0	65.8	68.2	66.0	65.0	64.1	65.1	67.6	65.6	64.9

						L_{eq}	66.4	70.1	73.9	70.9	69.9	68.5	68.9	70.9	70.1	71.1
						L_{max}	80.7	79.3	83.5	81.2	80.0	80.6	77.8	77.5	78.1	81.6
					Dinner	L_{10}	81.0	81.3	80.8	80.6	80.1	81.6	81.1	82.1	82.2	81.9
						L_{90}	71.3	71.5	71.0	70.8	70.9	72.0	71.8	72.3	72.2	71.5
						L_{eq}	74.2	74.5	73.8	74.2	75.0	76.1	75.1	74.9	75.2	74.8
						L_{max}	87.1	86.2	85.3	85.1	86.2	86.9	87.3	88.1	86.5	87.2
43	28-Sep-04	Undeveloped Area	West Kowloon Leisure Centre	West Kowloon Reclamation	Day	L_{10}	62.9	71.1	72.8	73.1	61.3	60.3	70.9	72.1	70.4	62.6
						L_{90}	58.5	67.4	63.3	60.6	58.4	58.1	67.1	61.5	60.3	58.7
						L_{eq}	60.6	69.1	69.7	66.7	60.1	59.2	68.7	68.5	66.0	61.0
						L_{max}	66.4	75.6	79.8	74.2	63.4	63.0	74.5	77.5	73.8	66.4
					Evening	L_{10}	65.5	59.8	60.4	57.4	65.5	64.8	57.2	58.8	60.4	63.2
						L_{90}	54.7	55.8	54.6	51.0	54.2	54.6	54.3	55.1	54.1	53.8
						L_{eq}	63.3	57.9	57.7	54.6	62.0	63.0	55.9	57.2	58.0	59.3
						L_{max}	75.6	62.6	65.9	60.3	73.3	77.9	61.8	62.0	66.5	68.5
					Night	L_{10}	65.3	63.4	68.3	60.5	65.3	66.0	63.4	58.3	60.4	60.5
						L_{90}	53.5	51.7	55.7	55.0	55.4	53.1	52.9	51.5	55.7	53.7
						L_{eq}	62.4	59.1	64.3	57.8	62.4	62.0	59.3	55.7	58.3	58.1
						L_{max}	75.2	67.8	74.1	63.6	71.7	74.9	68.4	67.6	63.2	70.1
44	30-Sep-04	Undeveloped Area	Central Reclamation Phase II	Tamar Complex	Day	L_{10}	71.9	65.4	63.9	68.0	69.0	72.2	64.1	66.7	67.3	68.8
						L_{90}	67.4	63.3	62.2	65.7	67.1	68.3	62.8	62.6	65.9	67.8
						L_{eq}	64.6	64.4	63.1	66.9	68.1	65.2	63.7	65.0	66.6	68.0
						L_{max}	63.7	67.6	66.1	69.3	70.2	63.9	68.9	72.2	68.4	69.7
					Evening	L_{10}	60.5	60.7	60.6	60.4	60.2	59.3	58.1	57.9	58.0	57.9
						L_{90}	58.3	58.0	57.9	58.1	57.9	56.4	55.1	55.0	54.9	55.0
						L_{eq}	59.6	59.9	59.3	60.1	59.4	57.2	56.5	59.4	57.0	56.5
						L_{max}	68.9	70.1	68.5	69.1	68.3	69.5	66.6	67.1	67.2	66.9
					Night	L_{10}	62.4	61.6	61.9	62.1	61.3	62.2	62.0	61.8	61.8	62.1
						L_{90}	58.4	57.3	57.5	58.0	57.3	58.0	58.2	58.0	57.9	57.9
						L_{eq}	60.5	59.4	59.7	60.0	59.7	60.8	60.1	60.5	60.7	61.0
						L_{max}	72.4	69.5	70.8	71.2	69.2	71.8	69.5	70.2	69.8	71.0
45	11-Oct-04	Undeveloped Area	North Point	Former North Point Estate	Day	L_{10}	64.9	66.4	64.1	63.2	65.4	64.6	64.4	61.3	67.5	65.3
						L_{90}	59.8	60.3	60.2	60.2	60.5	59.1	60.8	58.9	59.5	59.0
						L_{eq}	63.6	66.9	62.2	61.8	63.2	63.1	63.7	60.3	63.4	62.1
						L_{max}	86.1	89.0	65.4	67.3	70.2	85.1	77.0	63.9	71.8	68.4
					Evening	L_{10}	64.4	62.9	65.2	70.0	64.5	63.8	64.0	63.2	70.7	63.3
						L_{90}	61.9	61.2	60.8	61.0	61.6	60.9	61.1	62.1	60.4	60.8
						L_{eq}	63.3	62.1	62.7	66.8	63.2	62.4	62.9	64.4	66.7	62.2
						L_{max}	74.2	64.0	67.3	71.6	67.6	70.4	68.0	75.0	72.9	66.9
					Night	L_{10}	64.1	65.2	64.9	65.3	66.1	63.7	65.4	64.8	65.1	65.0
						L_{90}	60.9	61.9	61.7	62.2	62.5	59.9	61.8	61.6	61.8	61.9
						L_{eq}	62.8	63.7	63.5	63.9	63.6	62.1	63.2	63.5	63.6	63.5
						L_{max}	74.3	72.4	70.5	71.2	71.4	74.0	70.6	69.5	71.2	72.1
46	16-Oct-04	Undeveloped	Whitehead	Whitehead	Day	L_{10}	58.1	56.1	54.4	56.3	56.7	59.0	53.9	61.2	58.3	57.5

		Area		Development at Whitehead		L_{90}	52.5	53.0	52.1	52.0	52.7	52.4	52.0	53.9	52.0	52.4
						L_{eq}	55.8	55.1	53.2	54.3	55.1	56.1	53.2	58.6	56.0	55.2
						L_{max}	67.5	73.7	57.2	58.6	58.7	66.6	63.0	64.9	64.7	60.5
					Evening	L_{10}	49.5	50.5	51.1	51.3	52.3	49.1	50.8	50.9	51.7	50.8
						L_{90}	46.1	46.1	46.7	48.0	47.6	46.0	46.2	47.4	45.3	46.1
						L_{eq}	48.6	49.3	48.7	49.3	50.7	48.2	49.6	50.0	50.3	49.0
						L_{max}	58.1	58.7	59.7	60.6	60.7	56.6	59.0	60.9	57.7	58.6
					Night	L_{10}	45.5	46.7	48.6	46.5	48.5	46.4	48.8	48.6	45.7	49.2
						L_{90}	41.8	42.7	43.3	42.3	43.7	42.0	44.0	45.1	43.1	44.7
						L_{eq}	44.1	44.7	45.8	44.4	45.6	44.8	45.7	46.2	44.1	46.5
						L_{max}	56.6	56.9	57.7	55.7	59.8	57.9	60.0	61.2	56.5	60.6
47	16-Oct-04	Undeveloped Area	Tai Po Tsai	Developmet at Tai Po Tsai, Clear Water Bay	Day	L_{10}	50.3	58.8	50.8	47.8	50.8	50.1	49.3	52.0	51.4	51.4
						L_{90}	45.1	45.7	45.9	44.3	46.3	46.0	45.0	44.8	47.8	45.6
						L_{eq}	48.5	48.8	49.2	46.0	49.1	48.5	47.6	47.5	50.0	48.6
						L_{max}	62.5	55.1	62.0	52.1	60.6	61.8	57.6	53.0	55.6	59.7
					Evening	L_{10}	52.8	52.2	51.1	47.6	49.5	48.6	50.1	51.1	52.3	51.6
						L_{90}	48.4	46.0	45.8	45.6	45.7	46.2	46.6	46.2	46.2	45.9
						L_{eq}	50.9	50.6	49.8	46.5	47.7	47.5	48.6	49.5	49.6	50.8
						L_{max}	62.5	60.6	61.2	49.1	53.8	57.5	54.4	59.1	59.4	60.1
					Night	L_{10}	49.7	51.4	51.6	51.1	48.7	49.4	49.1	48.5	49.2	49.0
						L_{90}	46.7	46.1	46.5	46.0	45.7	46.1	45.7	45.7	45.9	46.0
						L_{eq}	48.3	49.5	49.2	48.9	47.2	48.0	47.6	47.3	48.7	47.8
						L_{max}	56.5	56.7	58.9	60.7	52.5	56.1	50.8	51.0	57.7	59.6
48	24-Oct-04	Undeveloped Area	South East Kowloon Redevelopment	The Former Kai Tak Airport	Day	L_{10}	56.5	56.3	55.5	55.9	57.5	56.1	56.3	56.4	56.6	57.1
						L_{90}	54.4	54.7	53.8	52.4	53.5	54.3	54.6	54.6	54.8	55.7
						L_{eq}	55.2	55.5	54.9	54.3	55.4	55.2	55.5	55.5	55.7	56.4
						L_{max}	57.7	58.6	64.4	60.3	60.5	57.7	58.6	59.1	56.2	58.0
					Evening	L_{10}	57.6	58.1	56.5	57.6	57.1	57.2	57.5	57.0	56.8	57.0
						L_{90}	54.4	55.2	54.9	55.4	55.1	54.0	54.6	55.1	54.9	54.8
						L_{eq}	56.1	57.0	55.8	56.4	56.4	55.9	56.2	56.0	65.8	56.5
						L_{max}	65.1	66.2	57.7	62.4	57.7	64.9	65.3	64.8	65.2	65.1
					Night	L_{10}	57.3	58.0	57.0	56.8	58.7	57.4	56.8	55.8	56.0	56.9
						L_{90}	53.7	55.9	55.3	54.9	56.5	54.0	55.1	54.6	55.9	57.7
						L_{eq}	55.8	56.9	56.1	55.9	57.7	55.9	56.8	55.8	54.9	56.9
						L_{max}	63.7	59.6	58.1	60.2	60.4	64.7	63.1	58.7	57.5	62.6
49	28-Oct-04	Undeveloped Area	Yuen Long, N.T.	Fung Lok Wai	Day	L_{10}	43.2	50.4	50.0	45.5	45.3	44.1	54.3	44.1	43.1	45.3
						L_{90}	39.1	41.4	41.8	42.2	41.4	39.9	41.5	41.7	40.5	40.0
						L_{eq}	41.3	47.0	46.6	43.8	43.5	42.6	43.0	43.1	41.9	44.4
						L_{max}	56.1	58.7	56.2	48.3	55.3	58.7	54.5	51.7	50.3	58.1
					Evening	L_{10}	44.0	44.1	45.3	45.4	44.8	45.7	44.8	45.6	45.9	45.5
						L_{90}	40.4	42.6	44.0	43.7	43.9	41.4	43.6	44.1	43.7	43.8
						L_{eq}	42.3	43.7	44.4	44.0	43.6	43.6	44.1	44.7	44.3	44.5
						L_{max}	56.3	60.0	54.3	57.6	47.5	57.0	46.6	47.7	47.5	54.7

					Night	L_{10}	44.3	48.1	49.9	47.5	48.1	44.9	49.9	46.3	48.2	49.1
						L_{90}	41.1	44.3	44.9	43.6	42.8	41.2	44.4	44.2	44.9	45.5
						L_{eq}	42.7	46.5	47.4	45.0	45.5	43.1	48.5	45.3	46.7	47.3
						L_{max}	57.2	49.4	55.6	50.5	50.0	58.1	55.5	47.5	49.7	50.8
50	24-Nov-04	Chinese Restaurant	Kam Fook Seafood Restaurant	No. 991A, King's Road, Quarry Bay, Hong Kong	Breakfast	L_{10}	73.0	72.2	70.9	73.6	73.0	73.2	74.5	74.1	74.1	73.7
						L_{90}	63.9	65.3	64.4	65.9	66.2	64.6	66.6	66.2	67.8	66.9
						L_{eq}	70.0	69.9	68.5	70.9	70.5	70.2	71.6	71.3	71.5	70.9
						L_{max}	85.0	81.8	78.7	77.7	78.8	83.4	79.4	80.8	80.8	79.2
					Lunch	L_{10}	73.9	72.2	72.4	74.1	75.0	75.4	77.4	76.0	75.2	76.3
						L_{90}	65.6	65.4	65.8	67.0	66.7	69.3	69.5	68.5	67.7	67.5
						L_{eq}	71.0	70.1	69.9	71.8	71.8	73.0	74.7	73.2	72.2	73.4
						L_{max}	84.6	85.4	79.2	84.8	79.7	85.6	83.0	82.6	81.9	84.4
					Dinner	L_{10}	74.1	73.2	72.9	73.1	73.6	75.1	74.8	75.0	74.9	73.8
						L_{90}	63.8	64.0	69.1	69.2	64.1	64.5	64.1	64.3	64.0	64.2
						L_{eq}	71.2	70.8	71.0	70.5	70.6	71.8	71.4	71.3	71.4	71.0
						L_{max}	86.3	87.1	88.2	86.5	87.5	85.3	86.3	84.6	83.6	82.6
51	19-Dec-04	Concert Hall	Tuen Mun Town Center (Chinese Cultural Music)	Tuen Hi Road, Tuen Mun, N.T.	Event time	L_{10}	71.4	74.7	74.7	69.8	70.4	75.4	83.4	71.0	79.8	82.5
						L_{90}	58.9	65.2	67.2	45.8	54.0	59.5	70.3	52.0	60.3	69.2
						L_{eq}	68.6	69.9	72.4	65.9	68.4	65.7	80.3	67.7	75.8	78.5
						L_{max}	78.2	80.6	81.1	78.2	82.6	80.2	90.5	85.1	88.3	87.7
52	09-Dec-04	Undeveloped Area	Kei Lun Wai	Tuen Mun Area 54	Day	L_{10}	59.8	65.2	67.9	77.4	69.1	62.7	66.1	68.3	76.3	68.9
						L_{90}	50.3	49.0	50.7	61.4	51.4	49.8	49.2	51.2	61.0	51.9
						L_{eq}	58.0	59.1	60.4	69.8	61.2	59.9	59.4	60.9	70.4	61.7
						L_{max}	82.6	69.9	74.7	83.4	73.9	64.4	70.5	75.4	81.5	74.9
					Evening	L_{10}	52.8	51.7	52.4	53.6	57.0	53.4	51.9	52.7	54.1	55.9
						L_{90}	44.9	46.1	47.1	48.0	48.4	45.4	46.0	46.7	47.8	48.6
						L_{eq}	50.0	49.2	49.8	50.3	51.4	51.0	49.4	50.1	51.0	52.1
						L_{max}	61.4	62.4	63.7	61.9	62.6	59.4	60.9	61.1	62.5	63.4
					Night	L_{10}	58.1	58.4	57.8	58.1	56.9	59.0	57.0	56.1	55.2	56.7
						L_{90}	47.1	44.7	45.1	44.1	45.4	44.7	44.2	44.9	43.9	45.8
						L_{eq}	51.7	50.2	49.0	48.9	49.7	51.9	49.9	48.0	47.2	50.1
						L_{max}	58.5	61.1	60.5	59.4	57.9	59.1	59.1	60.1	59.7	58.4
53	17-Dec-04	Audio Listener	West Rail	Tuen Mun - Nam Cheong - Mei Foo	Day	L_{10}	93.8	nil	nil	nil	91.0	nil	nil	nil	nil	nil
						L_{90}	71.8	nil	nil	nil	75.2	nil	nil	nil	nil	nil
						L_{eq}	89.1	nil	nil	nil	87.3	nil	nil	nil	nil	nil
						L_{max}	103.5	nil	nil	nil	103.1	nil	nil	nil	nil	nil
					Evening	L_{10}	94.4	nil	nil	nil	91.2	nil	nil	nil	nil	nil
						L_{90}	74.6	nil	nil	nil	74.8	nil	nil	nil	nil	nil
						L_{eq}	89.9	nil	nil	nil	87.4	nil	nil	nil	nil	nil
						L_{max}	102.5	nil	nil	nil	102.9	nil	nil	nil	nil	nil
					Night	L_{10}	79.0	nil	nil	nil	80.0	nil	nil	nil	nil	nil
						L_{90}	63.5	nil	nil	nil	66.0	nil	nil	nil	nil	nil
						L_{eq}	71.3	nil	nil	nil	74.3	nil	nil	nil	nil	nil

						L_{max}	91.2	nil	nil	nil	90.5	nil	nil	nil	nil	nil
54	17-Dec-04	Audio Listener	Bus	Kwai Fong - Tuen Mun, Air-Conditioned, Lower Deck	Day	L_{10}	89.6	nil	nil	nil	93.0	nil	nil	nil	nil	nil
						L_{90}	75.2	nil	nil	nil	81.0	nil	nil	nil	nil	nil
						L_{eq}	85.6	nil	nil	nil	91.6	nil	nil	nil	nil	nil
						L_{max}	99.3	nil	nil	nil	102.7	nil	nil	nil	nil	nil
					Evening	L_{10}	93.0	nil	nil	nil	96.8	nil	nil	nil	nil	nil
						L_{90}	83.2	nil	nil	nil	83.0	nil	nil	nil	nil	nil
						L_{eq}	89.7	nil	nil	nil	92.9	nil	nil	nil	nil	nil
						L_{max}	100.6	nil	nil	nil	106.8	nil	nil	nil	nil	nil
					Night	L_{10}	81.0	nil	nil	nil	82.5	nil	nil	nil	nil	nil
						L_{90}	72.5	nil	nil	nil	77.0	nil	nil	nil	nil	nil
						L_{eq}	77.0	nil	nil	nil	79.2	nil	nil	nil	nil	nil
						L_{max}	84.1	nil	nil	nil	85.4	nil	nil	nil	nil	nil
55	22-Dec-04	Audio Listener	MTR	Yau Ma Tei - Tiu Keng Leng	Day	L_{10}	97.6	nil	nil	nil	96.8	nil	nil	nil	nil	nil
						L_{90}	84.6	nil	nil	nil	83.2	nil	nil	nil	nil	nil
						L_{eq}	93.7	nil	nil	nil	93.1	nil	nil	nil	nil	nil
						L_{max}	106.2	nil	nil	nil	104.1	nil	nil	nil	nil	nil
					Evening	L_{10}	100.0	nil	nil	nil	100.4	nil	nil	nil	nil	nil
						L_{90}	86.8	nil	nil	nil	85.8	nil	nil	nil	nil	nil
						L_{eq}	96.2	nil	nil	nil	96.5	nil	nil	nil	nil	nil
						L_{max}	108.2	nil	nil	nil	108.2	nil	nil	nil	nil	nil
					Night	L_{10}	85.0	nil	nil	nil	86.5	nil	nil	nil	nil	nil
						L_{90}	73.0	nil	nil	nil	74.5	nil	nil	nil	nil	nil
						L_{eq}	79.2	nil	nil	nil	81.2	nil	nil	nil	nil	nil
						L_{max}	91.2	nil	nil	nil	92.3	nil	nil	nil	nil	nil
56	22-Dec-04	Audio Listener	East Rail	Tsim Sha Tsui East - Sheung Shui	Day	L_{10}	95.4	nil	nil	nil	93.6	nil	nil	nil	nil	nil
						L_{90}	74.8	nil	nil	nil	76.2	nil	nil	nil	nil	nil
						L_{eq}	91.6	nil	nil	nil	89.3	nil	nil	nil	nil	nil
						L_{max}	100.2	nil	nil	nil	100.2	nil	nil	nil	nil	nil
					Evening	L_{10}	96.2	nil	nil	nil	94.4	nil	nil	nil	nil	nil
						L_{90}	74.2	nil	nil	nil	76.2	nil	nil	nil	nil	nil
						L_{eq}	92.5	nil	nil	nil	90.3	nil	nil	nil	nil	nil
						L_{max}	100.8	nil	nil	nil	100.8	nil	nil	nil	nil	nil
					Night	L_{10}	81.0	nil	nil	nil	78.0	nil	nil	nil	nil	nil
						L_{90}	64.0	nil	nil	nil	65.0	nil	nil	nil	nil	nil
						L_{eq}	73.8	nil	nil	nil	71.2	nil	nil	nil	nil	nil
						L_{max}	87.3	nil	nil	nil	90.1	nil	nil	nil	nil	nil
57	16-Dec-04	Audio Listener	Car	Kwai Fong - Tseung Kwan O	Day	L_{10}	83.4	nil	nil	nil	84.6	nil	nil	nil	nil	nil
						L_{90}	69.8	nil	nil	nil	68.4	nil	nil	nil	nil	nil
						L_{eq}	79.8	nil	nil	nil	80.5	nil	nil	nil	nil	nil
						L_{max}	94.3	nil	nil	nil	94.0	nil	nil	nil	nil	nil
					Evening	L_{10}	84.0	nil	nil	nil	84.2	nil	nil	nil	nil	nil
						L_{90}	69.6	nil	nil	nil	67.8	nil	nil	nil	nil	nil

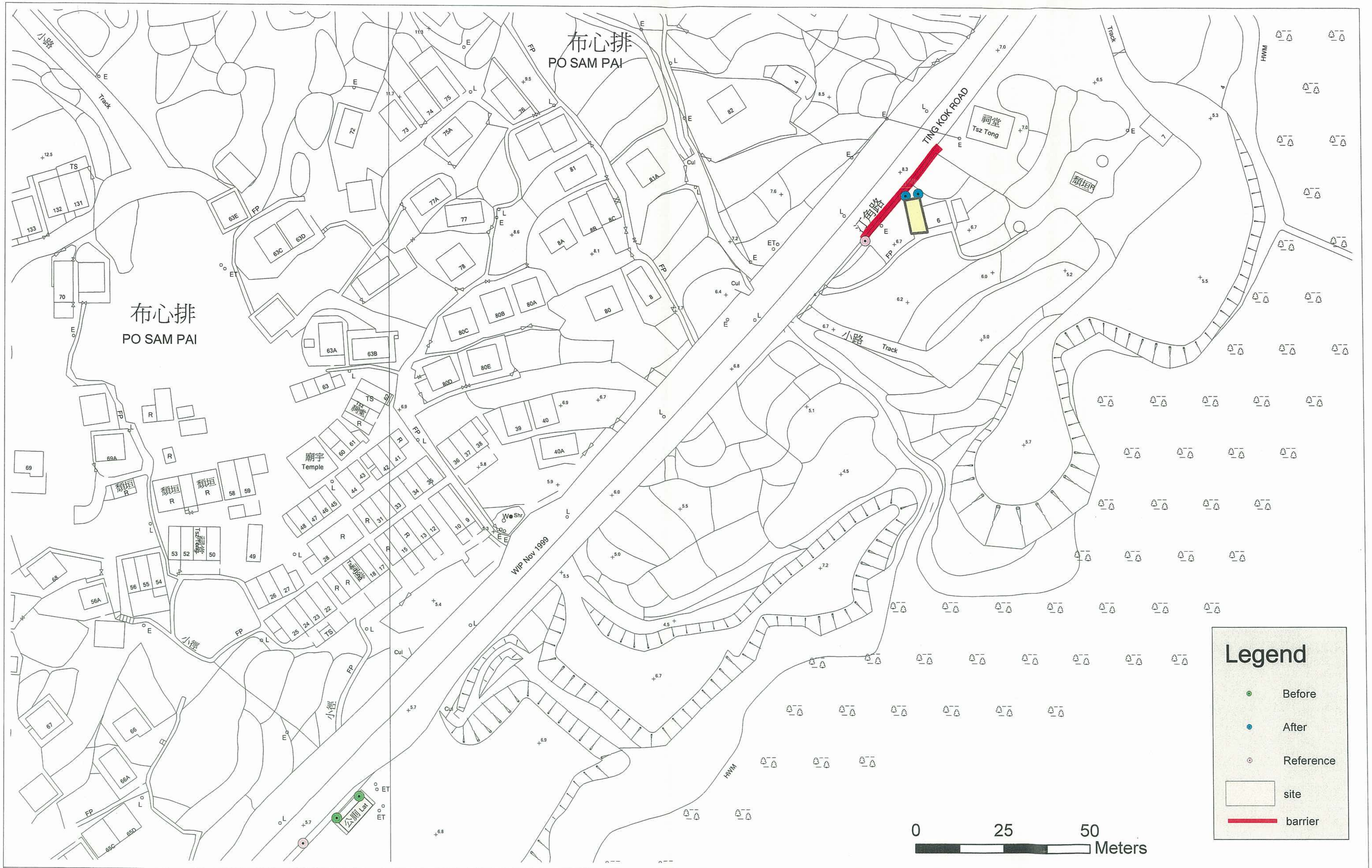
						L_{eq}	80.2	nil	nil	nil	79.9	nil	nil	nil	nil	nil
						L_{max}	94.0	nil	nil	nil	93.5	nil	nil	nil	nil	nil
					Night	L_{10}	77.5	nil	nil	nil	76.0	nil	nil	nil	nil	nil
						L_{90}	65.0	nil	nil	nil	64.5	nil	nil	nil	nil	nil
						L_{eq}	70.9	nil	nil	nil	67.8	nil	nil	nil	nil	nil
						L_{max}	94.6	nil	nil	nil	84.9	nil	nil	nil	nil	nil
58	24-Dec-04	Audio Listener	Bicycle	Shatin Bicycle Park	Day	L_{10}	80.6	nil	nil	nil	82.0	nil	nil	nil	nil	nil
						L_{90}	64.2	nil	nil	nil	64.4	nil	nil	nil	nil	nil
						L_{eq}	76.6	nil	nil	nil	78.2	nil	nil	nil	nil	nil
						L_{max}	91.5	nil	nil	nil	93.7	nil	nil	nil	nil	nil
					Evening	L_{10}	83.2	nil	nil	nil	81.2	nil	nil	nil	nil	nil
						L_{90}	66.2	nil	nil	nil	65.2	nil	nil	nil	nil	nil
						L_{eq}	79.3	nil	nil	nil	76.2	nil	nil	nil	nil	nil
						L_{max}	93.7	nil	nil	nil	87.9	nil	nil	nil	nil	nil
					Night	L_{10}	68.0	nil	nil	nil	60.5	nil	nil	nil	nil	nil
						L_{90}	55.5	nil	nil	nil	53.0	nil	nil	nil	nil	nil
						L_{eq}	59.9	nil	nil	nil	55.6	nil	nil	nil	nil	nil
						L_{max}	83.9	nil	nil	nil	76.1	nil	nil	nil	nil	nil
59	14-Dec-04	Audio Listener	Food Court	Metro Plaza	Day	L_{10}	89.2	nil	nil	nil	87.0	nil	nil	nil	nil	nil
						L_{90}	75.6	nil	nil	nil	75.8	nil	nil	nil	nil	nil
						L_{eq}	85.4	nil	nil	nil	83.4	nil	nil	nil	nil	nil
						L_{max}	93.9	nil	nil	nil	94.5	nil	nil	nil	nil	nil
					Evening	L_{10}	89.9	nil	nil	nil	87.4	nil	nil	nil	nil	nil
						L_{90}	74.8	nil	nil	nil	74.8	nil	nil	nil	nil	nil
						L_{eq}	85.9	nil	nil	nil	83.8	nil	nil	nil	nil	nil
						L_{max}	95.6	nil	nil	nil	94.7	nil	nil	nil	nil	nil
					Night	L_{10}	85.3	nil	nil	nil	84.5	nil	nil	nil	nil	nil
						L_{90}	73.5	nil	nil	nil	75.0	nil	nil	nil	nil	nil
						L_{eq}	76.6	nil	nil	nil	77.4	nil	nil	nil	nil	nil
						L_{max}	91.8	nil	nil	nil	92.0	nil	nil	nil	nil	nil
60	17-Dec-04	Audio Listener	Busy road	Hing Fong Road, Kwai Fong MTR station	Day	L_{10}	86.8	nil	nil	nil	90.8	nil	nil	nil	nil	nil
						L_{90}	99.6	nil	nil	nil	77.2	nil	nil	nil	nil	nil
						L_{eq}	86.8	nil	nil	nil	86.9	nil	nil	nil	nil	nil
						L_{max}	99.6	nil	nil	nil	100.4	nil	nil	nil	nil	nil
					Evening	L_{10}	94.4	nil	nil	nil	94.4	nil	nil	nil	nil	nil
						L_{90}	78.4	nil	nil	nil	78.6	nil	nil	nil	nil	nil
						L_{eq}	90.3	nil	nil	nil	90.2	nil	nil	nil	nil	nil
						L_{max}	104.0	nil	nil	nil	104.2	nil	nil	nil	nil	nil
					Night	L_{10}	81.0	nil	nil	nil	81.5	nil	nil	nil	nil	nil
						L_{90}	72.0	nil	nil	nil	73.0	nil	nil	nil	nil	nil
						L_{eq}	75.0	nil	nil	nil	75.6	nil	nil	nil	nil	nil
						L_{max}	87.3	nil	nil	nil	86.4	nil	nil	nil	nil	nil
61	14-Dec-04	Audio	Office	39/F, Metro	Day	L_{10}	50.8	nil	nil	nil	82.4	nil	nil	nil	nil	nil

		Listener		Plaza, Kwai Fong, N.T.		L_{90}	69.2	nil	nil	nil	69.0	nil	nil	nil	nil	nil
						L_{eq}	77.2	nil	nil	nil	78.6	nil	nil	nil	nil	nil
						L_{max}	89.2	nil	nil	nil	90.0	nil	nil	nil	nil	nil
					Evening	L_{10}	82.4	nil	nil	nil	83.6	nil	nil	nil	nil	nil
						L_{90}	71.4	nil	nil	nil	70.6	nil	nil	nil	nil	nil
						L_{eq}	79.0	nil	nil	nil	79.8	nil	nil	nil	nil	nil
						L_{max}	90.0	nil	nil	nil	92.3	nil	nil	nil	nil	nil
					Night	L_{10}	55.5	nil	nil	nil	61.0	nil	nil	nil	nil	nil
						L_{90}	47.0	nil	nil	nil	47.5	nil	nil	nil	nil	nil
						L_{eq}	48.2	nil	nil	nil	50.2	nil	nil	nil	nil	nil
						L_{max}	60.6	nil	nil	nil	79.0	nil	nil	nil	nil	nil
62	17-Dec-04	Audio Listener	Country Park	Ma On Shan Country Park	Day	L_{10}	86.8	nil	nil	nil	81.2	nil	nil	nil	nil	nil
						L_{90}	62.2	nil	nil	nil	58.8	nil	nil	nil	nil	nil
						L_{eq}	83.0	nil	nil	nil	77.7	nil	nil	nil	nil	nil
						L_{max}	93.7	nil	nil	nil	59.5	nil	nil	nil	nil	nil
					Evening	L_{10}	89.4	nil	nil	nil	82.2	nil	nil	nil	nil	nil
						L_{90}	64.6	nil	nil	nil	61.0	nil	nil	nil	nil	nil
						L_{eq}	85.4	nil	nil	nil	78.6	nil	nil	nil	nil	nil
						L_{max}	96.8	nil	nil	nil	91.2	nil	nil	nil	nil	nil
					Night	L_{10}	60.5	nil	nil	nil	61.0	nil	nil	nil	nil	nil
						L_{90}	46.5	nil	nil	nil	49.0	nil	nil	nil	nil	nil
						L_{eq}	51.6	nil	nil	nil	51.3	nil	nil	nil	nil	nil
						L_{max}	77.8	nil	nil	nil	72.9	nil	nil	nil	nil	nil

Record of Site Selection and the Constraints

Measures	No.	Visited site and identified not suitable for "Before" and "After" noise measurement	Different Traffic Flows between "Before" and "After" sites	Topographical condition mismatch	Complex site/road network	Under Construction	Construction Site(s) nearby	Noise source mismatch	Absence of Reference Façade/"Before" site	Balcony not purposely built	Insufficient Traffic Flow	Access problems	Remarks
Vertical Barrier	1	Fu Tin House, Pak Tin Estate, Nam Cheong St	✓	✓				✓					Presence of Bus Stop adjacent to mitigation measure
	2	Route 5 - Tsuen Wan Approach Cheung Pei Shan Road		✓	✓								
	3	Kwan Tei Tsuen, Sha Tau Kok Rd	✓										Sample measurement had already been conducted at project preliminary stage
	4	Slip Rd of Yuen Long Highway towards Yuen Long (To Yuen Wai, Tuen Mun)	✓		✓		✓						
	5	Castle Peak Rd - Tai Lam Section, So Kwun Wat											
	6	Shatin Fishmen's New Village, A Kung Kok Street, Shatin	✓	✓									
	7	Fo Tan Village, Fo Tan Rd., Fo Tan											
	8	Tung Wui Rd (Kam Tin Bypass), Kam Tin		✓									
	9	Fenwick Pier Street Flyover near HK Academy for Performing Arts		✓	✓								
	10	Shing Mun Tunnel Road near Mei Lam Estate and May Shing Court	✓	✓	✓								
	11	Tseung Kwan O Tunnel Road near Hong Sing Gardens		✓	✓								
	12	Fung Ha Road near Rotary Club of HK Island West Morning Hope School		✓	✓								
	13	Sha Tin Road near Pok Hong Estate		✓	✓								
	14	Tolo Highway and Slip Road near Tak Nga Court, King Nga Court and Wan Tau Tong Estate	✓	✓	✓								
	15	Tin Shui Wai West Access			✓								
	16	West Kowloon Corridor near Waterloo Road, Shantung Street and Cherry Street	✓	✓	✓								
	17	Route 3 - Tsing Yi and Kwai Chung Section near Lai King Estate and Mei Foo Sun Chuen		✓	✓								
	18	West Kowloon Expressway near Mei Foo Sun Chuen and Nam Cheong Estate		✓	✓								
	19	Tsing Yi Road West	✓	✓									
	20	North Lantau Expressway near Tung Chung Phase I	✓	✓									
	21	Lung Cheung Road / Ching Cheung Road Improvement		✓									
	22	Smithfield Extension			✓		✓						
	23	Route 3 - Country Park Section (Tai Lam Tunnel and Yuen Long Approach)	✓	✓	✓								
	24	TKO Road P2 near Area 59		✓		✓							
	25	Sha Tau Kok Road (from Lung Yeuk Tau to Ping Che Rd)		✓	✓								
	26	Tuen Mun - Wong Chu Road	✓	✓									
	27	Hiram's Highway Improvement between Nam Wai and Ho Chung	✓	✓									
	28	Pok Oi Flyover	✓	✓	✓								

	29	New Territories Circular Road near Chuk Yuen Tsuen	✓	✓									Castle Peak Rd - Tam Mei Section would have a significant impact to the noise measurement
	30	San Sam Road near Lok Ma Chau Border	✓	✓									
	31	Wan Po Road, TKO	✓	✓		✓	✓						
	32	Improvement to Ying Yip Rd., TKO											No mitigation measure was observed during site visit
Cantilever Barrier	1	Hiram's Highway near Nam Pin, Sai Kung Wai											
	2	Tsui Ping Est., Tsui Ping Rd., Kwun Tong											
	3	Hiram's Highway Improvement between Nam Wai and Ho Chung											
	4	Tsing Yi North Coastal Road											
	5	Hing Shing Road, Kwai Fong											
Enclosure	1	Yau Oi Est., Wong Chu Rd., Tuen Mun	✓	✓									
	2	Tsing Yi North Coastal Road, Tsing Yi	✓	✓									
	3	Tate's Cairn Tunnel Approach Road near Choi Hung Estate	✓	✓	✓								
	4	Tate's Cairn Tunnel Approach Road near Richland Garden			✓								
	5	Tsing Yi duplicate South Bridge	✓		✓								
	6	Road 3/2 flyover Castle Peak Road at Sha Tsui Rd			✓								
	7	Hung Hom Bypass										✓	
	8	Tsune King Circuit										✓	
Balcony	1	Kau Pui Lung Rd., To Kwa Wan									✓		
	2	No. 7-9, Kau Pui Lung Rd., To Kwa Wan							✓	✓	✓		
	3	No. 27-29, Kau Pui Lung Rd., To Kwa Wan							✓		✓		Lack of window for dominant and reference noise measurements
	4	No. 80, Maidston Rd., To Kwa Wan							✓		✓		Lack of window for dominant and reference noise measurements
	5	No. 59-61, Maidston Rd., To Kwa Wan							✓		✓		
	6	Chun Seen Mei Chuen, Fu Ning St., Ma Tau Wai							✓				Lack of window for dominant and reference noise measurements; Balcony parapet wall and window façade lied on the same plane.
	7	HKU Jocky Club Student Village, No. 91, Pok Fu Lam Rd., Sai Wan									✓		
	8	Jolly Garden, No. 151, Reclamation St., Mongkok							✓				
	9	Elite Court, No. 33, Centre St., Sai Ying Pun								✓			The measurement is expected to be affected by a wall extended from one side of the balcony
	10	Shek Pik New Village, Yeung Uk Rd., Tsuen Wan									✓		
Structural Fin	1	Wing Yiu House, Lai Yiu Est., Kwai Chung									✓		
Podium Barrier	1	Chun Fei Hse., Tin Ma Court, Lung Cheung Rd., Wang Tau Hom	✓	✓									
	2	Yee On Court, Waterloo Rd., Mongkok		✓									
	3	Junction of Ma Tau Wai Rd and Ma Tau Tsung Rd.		✓									
	4	Discovery Park, Tsuen Wan		✓			✓						
	5	Summit Terrace, Tsuen Wan	✓	✓	✓		✓						
	6	Glorious Garden, Tuen Mun											
	7	Island Place Two, North Point							✓			✓	
	8	Waterfront, Jorden							✓			✓	
	9	Island Harbour View, Tai Kok Tsui							✓			✓	



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Hong Kong Government

Provision of Service of
A Comparative Study of Noise Levels in Hong Kong

Sites 1 & 2
Ting Kok Road near Po Sam Pai
(with vertical barrier)

Drawing No. 圖則編號	VB01		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Oct 2004	Date 日期 Oct 2004	
	Status 現況 FINAL		

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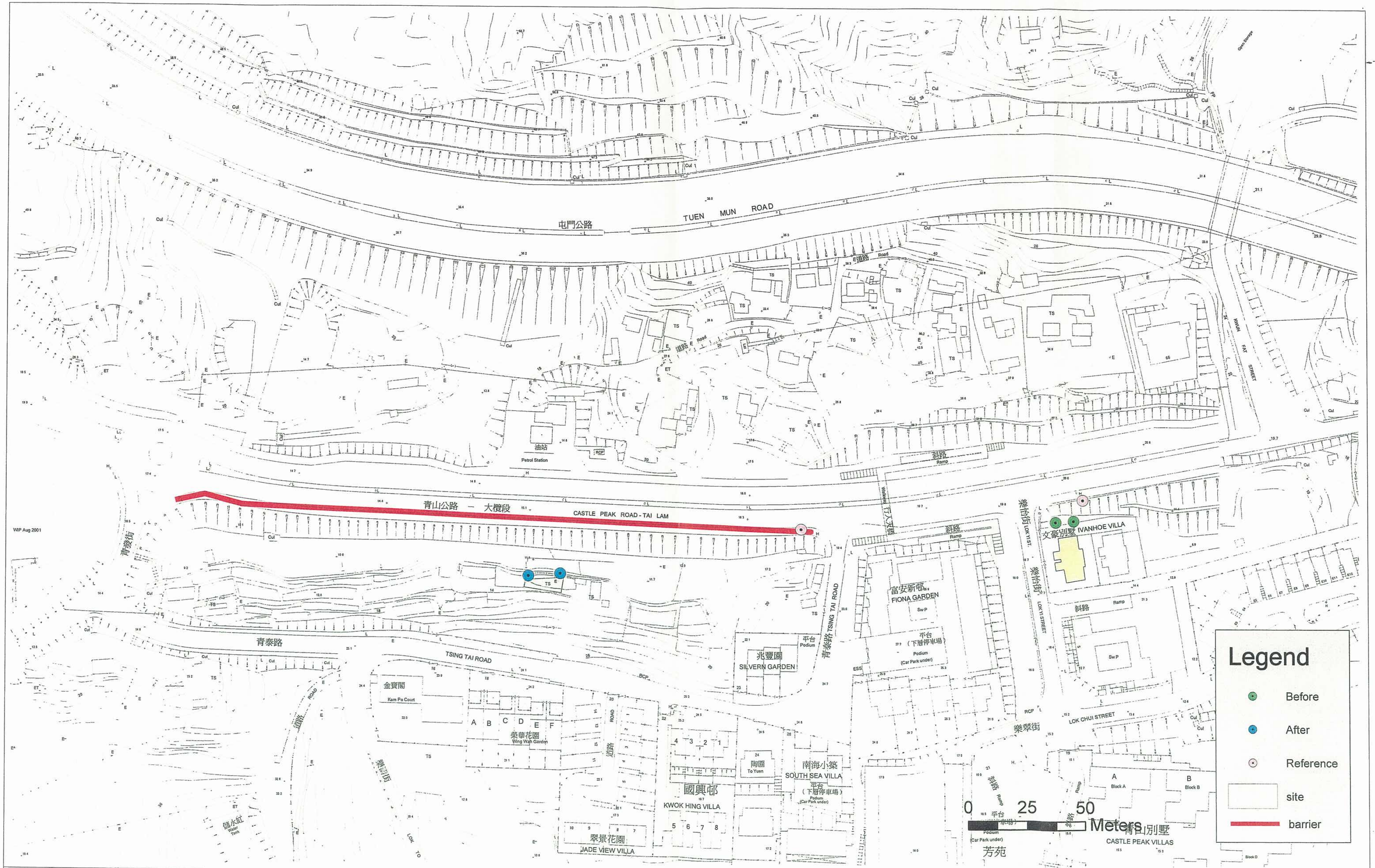

環境保護署
Environmental Protection Department
Hong Kong Government

Provision of Service of
A Comparative Study of Noise Levels in Hong Kong

Sites 3 & 4
Village House, Castle Peak Road,
Tai Lam
(with vertical barrier)

Drawing No. 圖則編號	VB02		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,500 in A3	Date 日期 Oct 2004	Date 日期 Oct 2004	
	Status 現況 FINAL		

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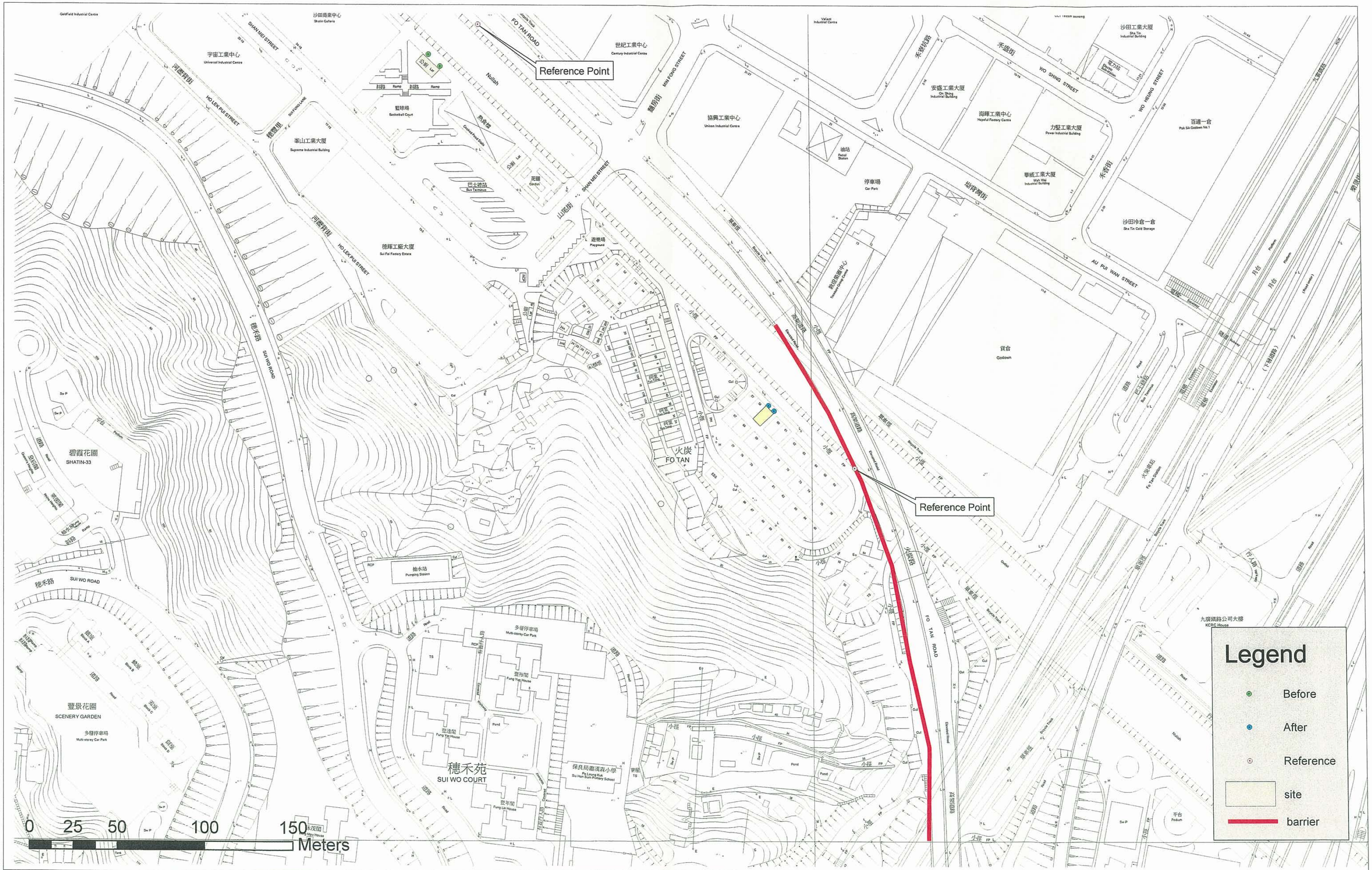

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Provision of Service of
A Comparative Study of Noise Levels in Hong Kong

Sites 5 & 6
Village House, Fo Tan Road
(with vertical barrier)

Drawing No. 圖則編號	VB03				
Drawn 設計	DKS	Checked 複核	HTHL	Approved 批准	CPSJ
Scale 比例	1:758 in A3	Date 日期	Dec 2004	Date 日期	Aug 2005
		Status 現況	FINAL		

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Hong Kong Government

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Sites 7 & 8
Police School Road, Wong Chuk Hang
(with vertical barrier)

Drawing No. 圖則編號	VB04		
Drawn 設計 DKS	Checked 覆核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Aug 2005	Date 日期 Aug 2005	
	Status 現況 FINAL		

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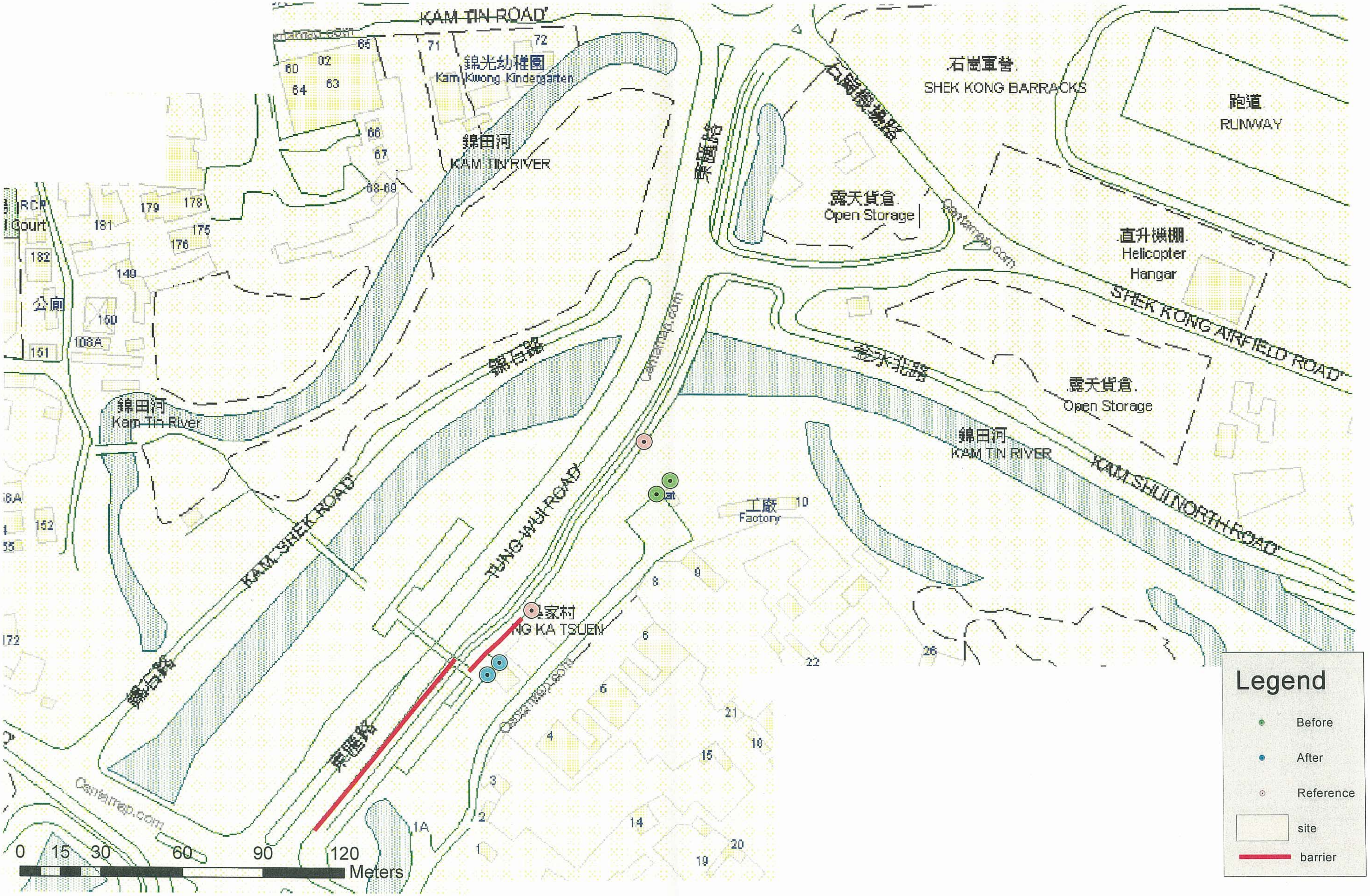

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Environmental Protection Department
Hong Kong Government

Provision of Service of
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Sites 9 & 10
Tung Wui Road, Kam Tin
(with vertical barrier)

Drawing No. 圖則編號	VB05		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 NTS	Date 日期 Jan 2005	Date 日期 Jan 2005	
	Status 現況 FINAL		

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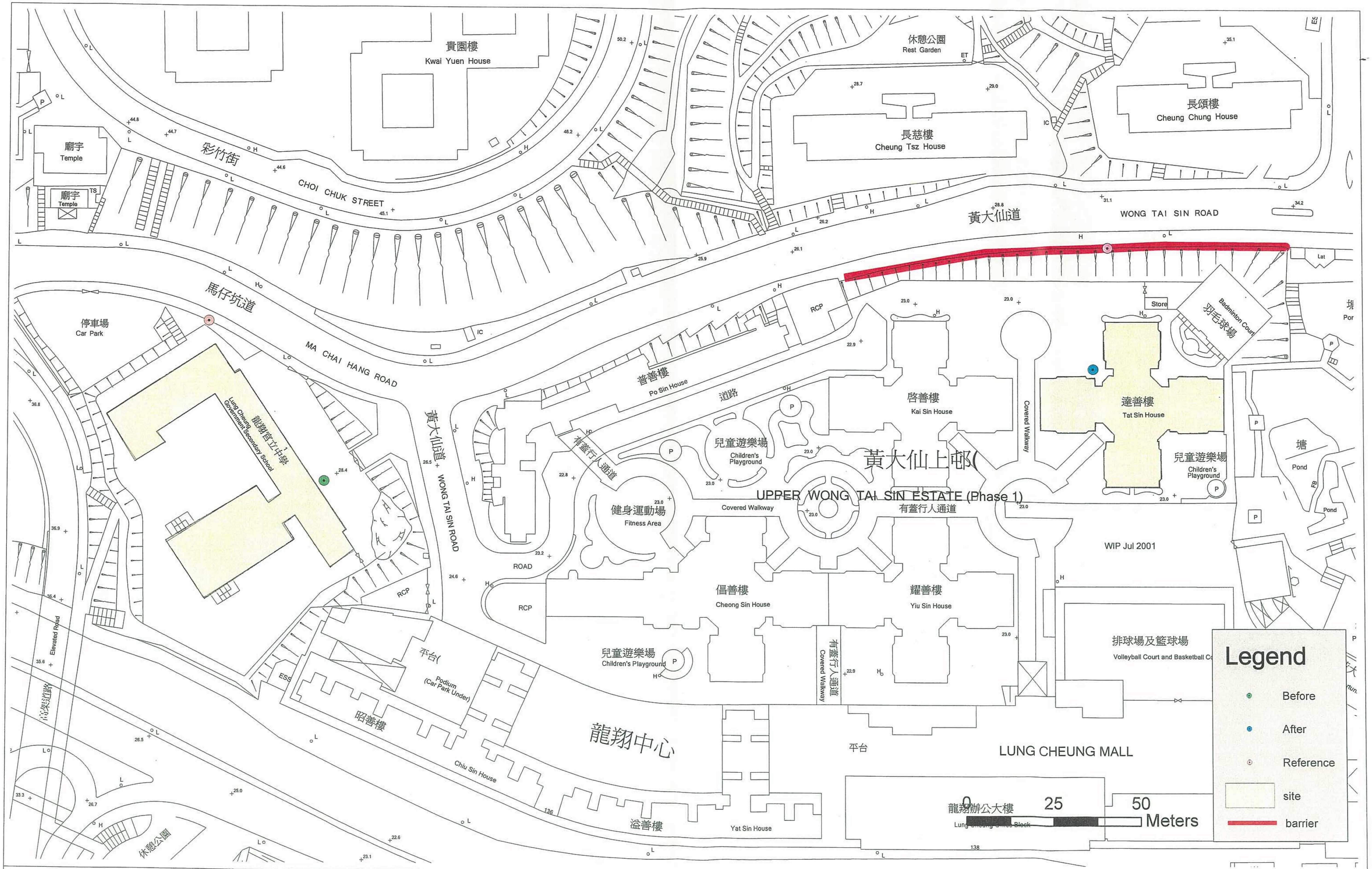

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Provision of Service of
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Sites 11 & 12
Wong Tai Sin Road, Wong Tai Sin
(with cantilevered barrier)

Drawing No. 圖則編號	CB01		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Nov 2004	Date 日期 Nov 2004	
	Status 現況 FINAL		

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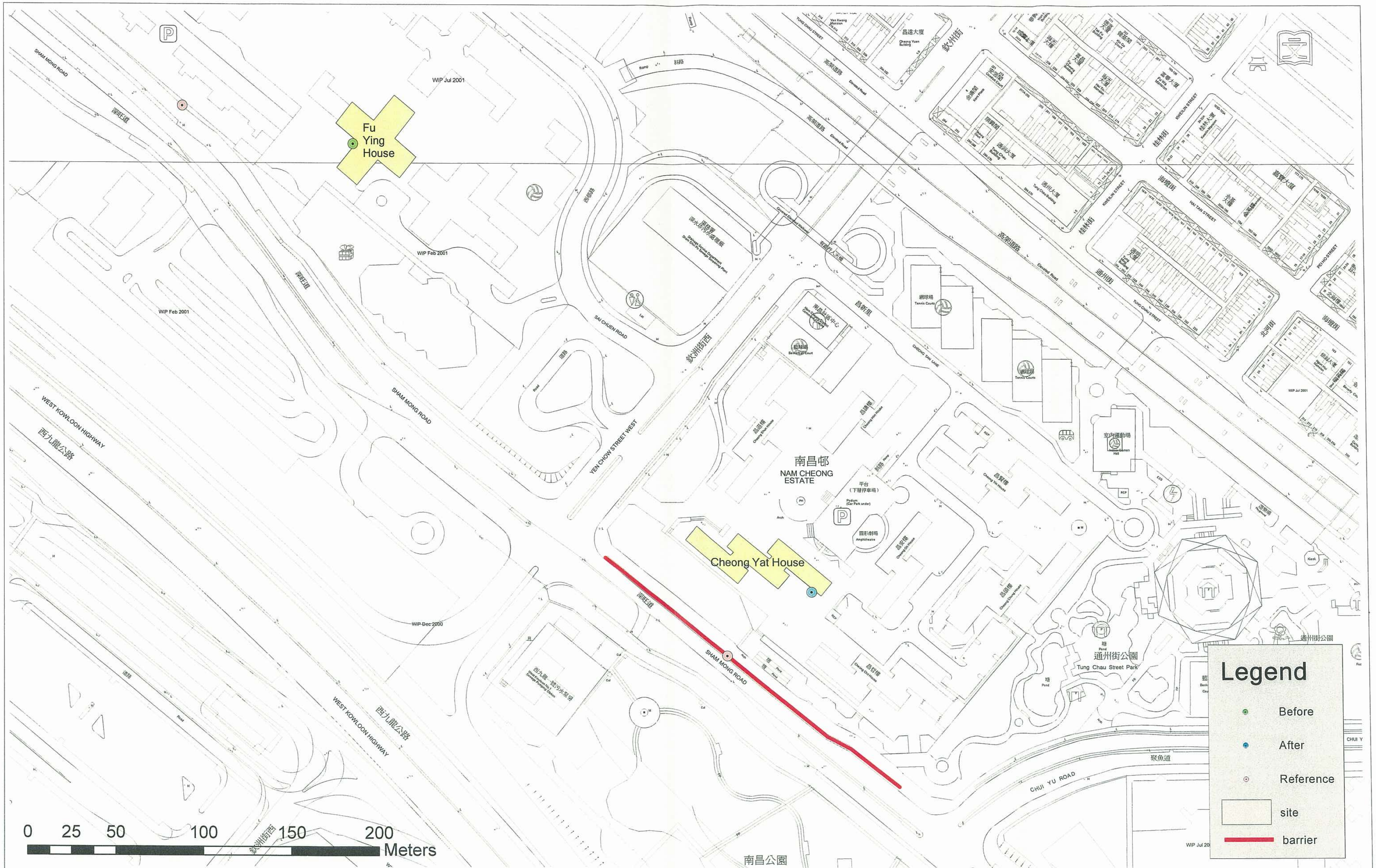

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Hong Kong Government

Provision of Service of
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Sites 13 & 14
Sham Mong Road, Sham Shui Po
(with cantilever barrier)

Drawing No. 圖則編號	CB02	
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ
Scale 比例 1:2,000 in A3	Date 日期 Jan 2005	Date 日期 Aug 2005
	Status 現況 FINAL	

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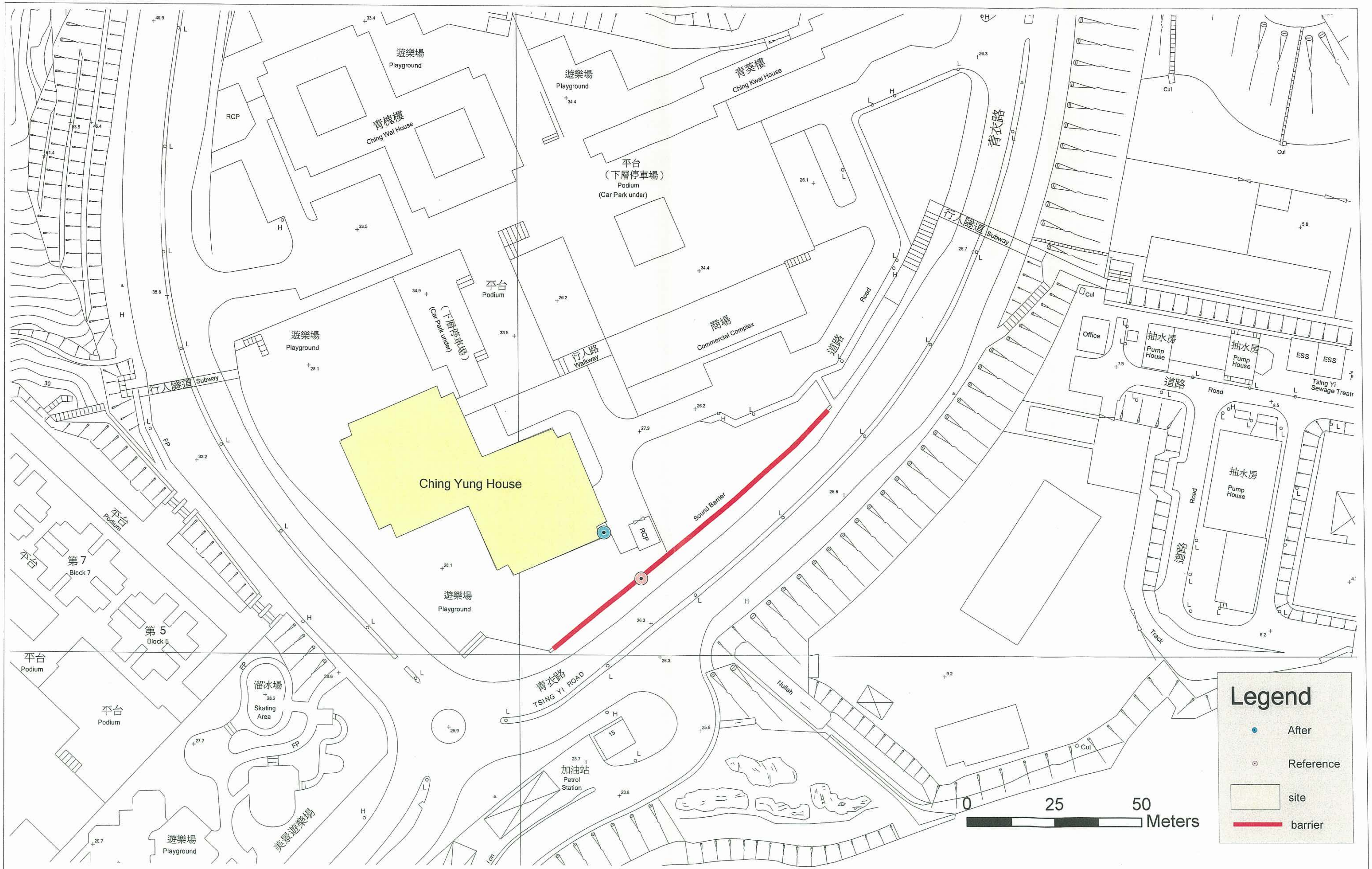

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Environmental Protection Department
Hong Kong Government

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Site 15
Tsing Yi Road
(with cantilevered barrier)

Drawing No. 圖則編號	CB03		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Dec 2004	Date 日期 Aug 2005	
	Status 現況 FINAL		

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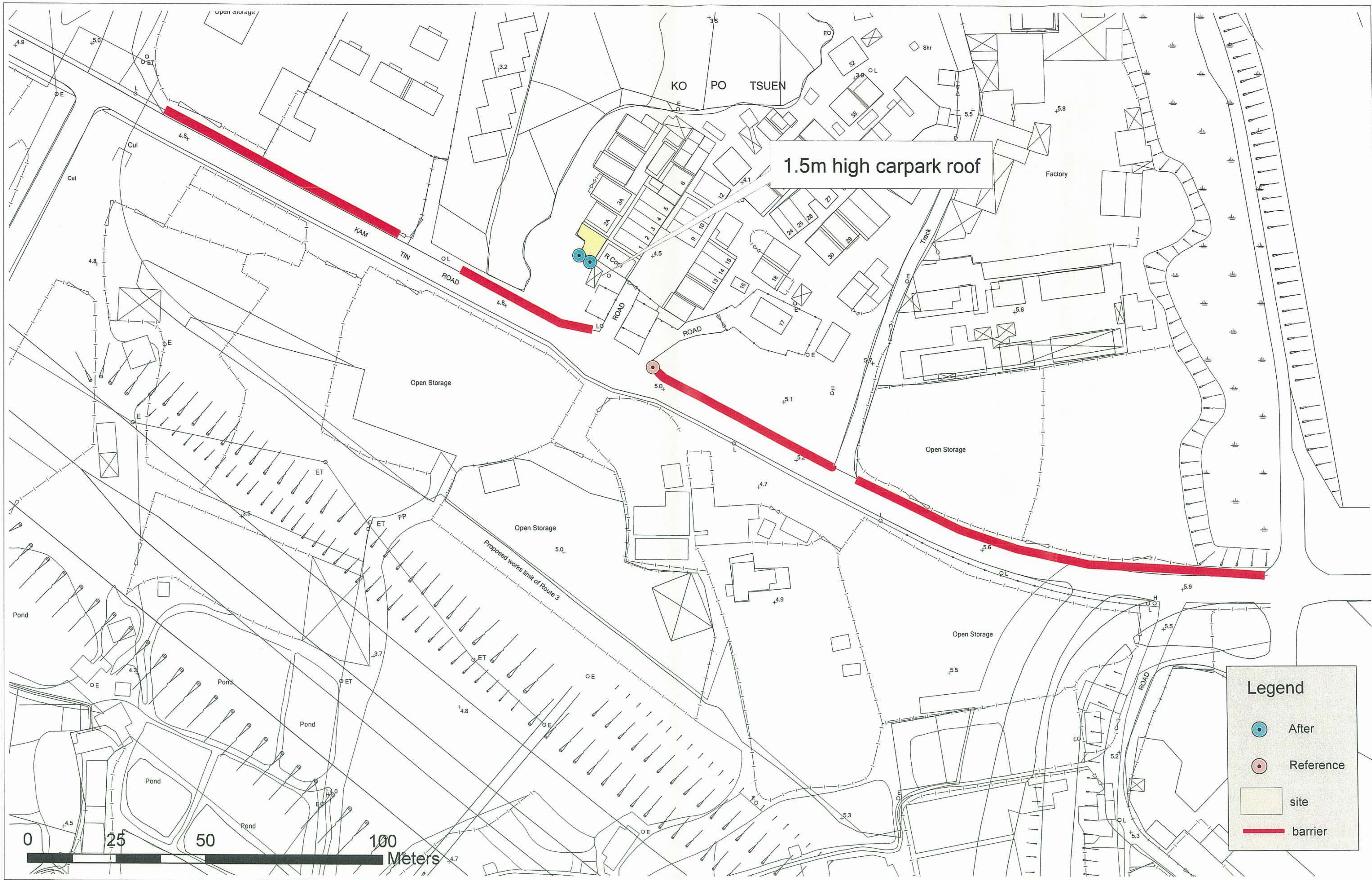

環境保護署 Environmental Protection Department Hong Kong Government	Site 16 Kam Tin Road, Kam Tin (with cantilever barrier)	Drawing No. 圖則編號	CB04	
		Drawn 設計 DKS	Checked 覆核 HTHL	Approved 批准 CPSJ
Provision of Service of A Comparative Study of Noise Levels in Hong Kong		Scale 比例 1:1,000 in A3	Date 日期 Jan 2005	Date 日期 Aug 2005
			Status 現況 FINAL	

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Environmental Protection Department
Hong Kong Government

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Sites 17 & 18
Castle Peak Road (Siu Lam - So Kwun Wat)
(with semi-enclosure)

Drawing No. 圖則編號	EN01		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Dec 2004	Date 日期 Dec 2004	
	Status 現況 FINAL		

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Site 19
Po Shun Road, Tseung Kwan O
(with Enclosure)

Drawing No. 圖則編號	EN02		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Dec 2004	Date 日期 Aug 2005	
	Status 現況 FINAL		

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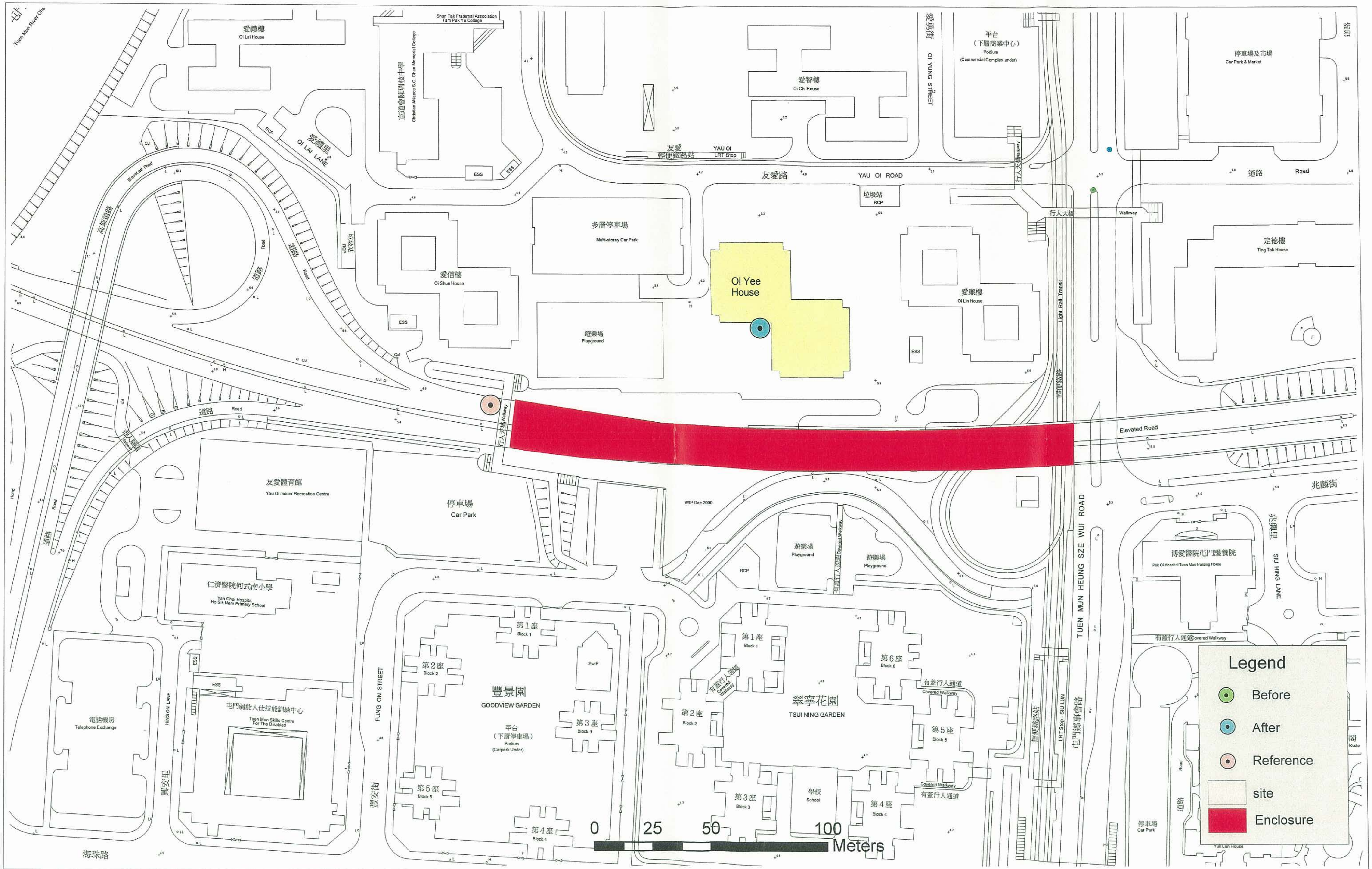

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Site 20
Wong Chu Road, Tuen Mun
(with Enclosure)

Drawing No. 圖則編號	EN03				
Drawn 設計	DKS	Checked 複核	HTHL	Approved 批准	CPSJ
Scale 比例	1:1,500 in A3	Date 日期	July 2005	Date 日期	Aug 2005
		Status 現況	FINAL		

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Sites 21 & 22
Hing Kwong Street, Sau Mau Ping
(with podium barrier)

Drawing No. 圖則編號	PB01		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Dec 2004	Date 日期 Aug 2005	
	Status 現況 FINAL		

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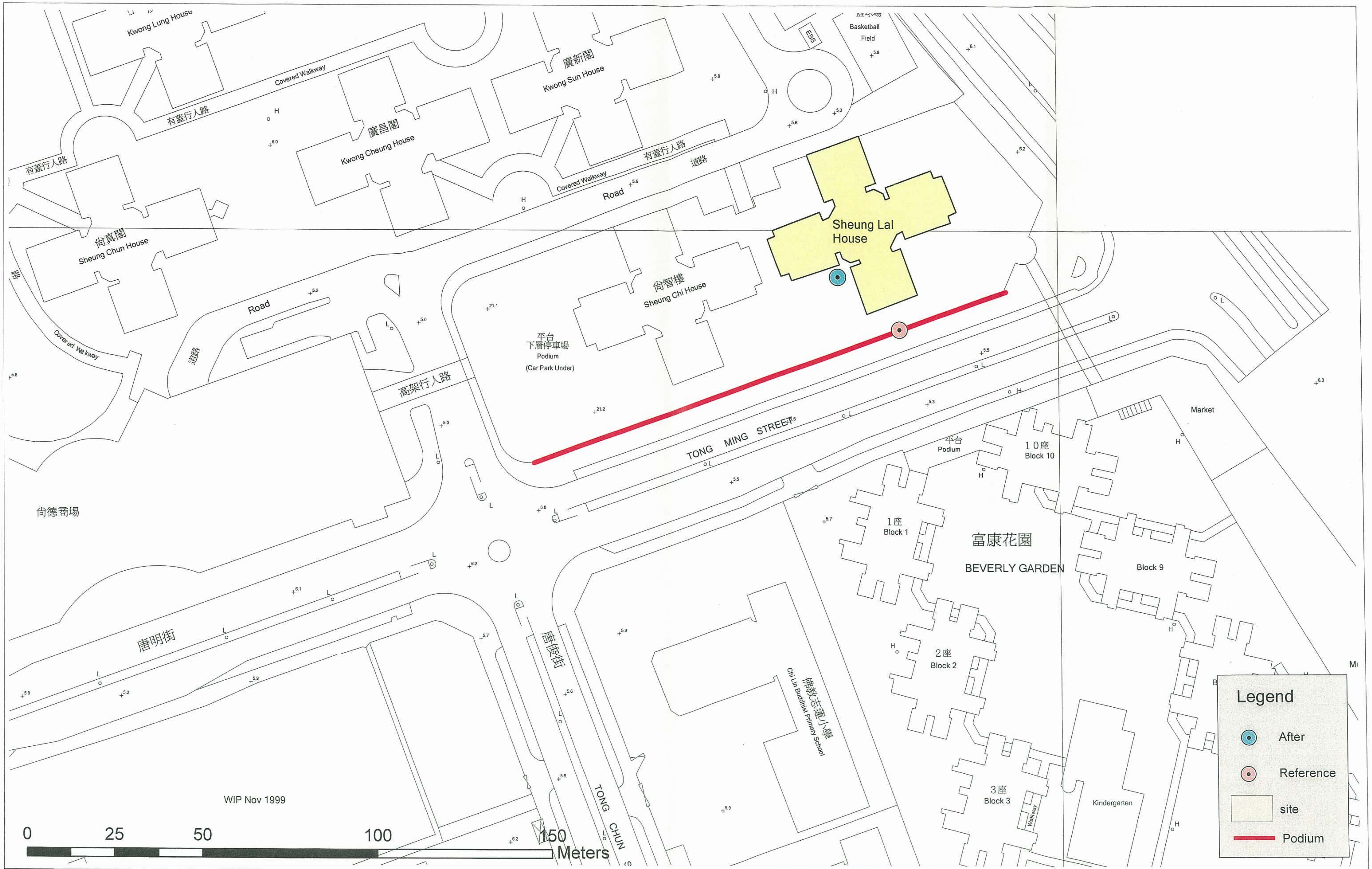
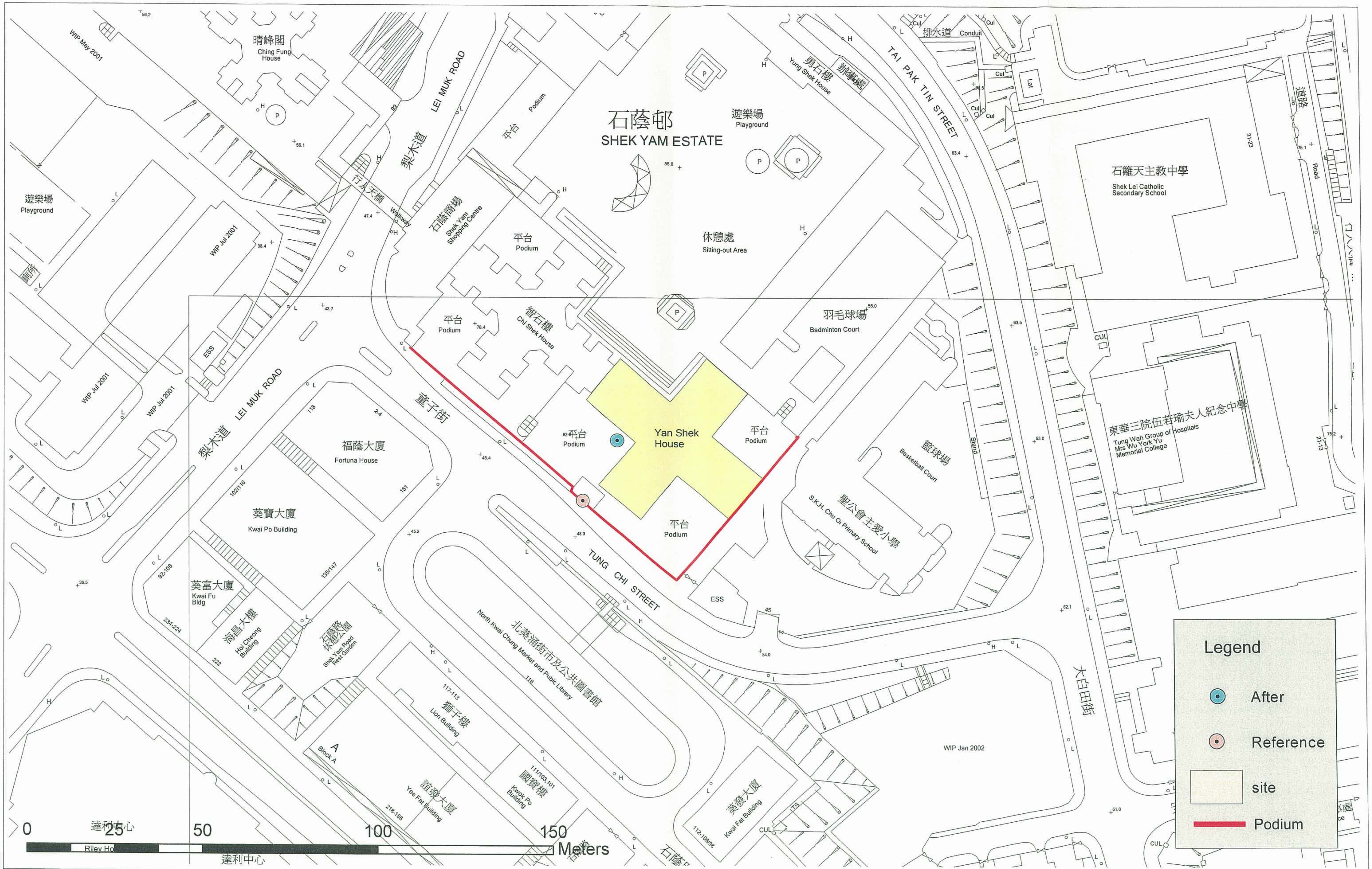


環境保護署 Environmental Protection Department Hong Kong Government	Site 23 Tong Ming Street, Tseung Kwan O (with podium)	Drawing No. 圖則編號: PB02	Scott Wilson Ltd 偉信顧問集團有限公司
Provision of Service of A Comparative Study of Noise Levels in Hong Kong		Drawn 設計: DKS; Checked 複核: HTHL; Approved 批准: CPSJ	
		Scale 比例: 1:1,000 in A3; Date 日期: Dec 2004; Date 日期: Aug 2005	
		Status 現況: FINAL	



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Site 24
Tung Chi Street, Shek Yam
(with podium)

Drawing No. 圖則編號	PB03		
Drawn 設計 DKS	Checked 覆核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Dec 2004	Date 日期 Aug 2005	
	Status 現況 FINAL		

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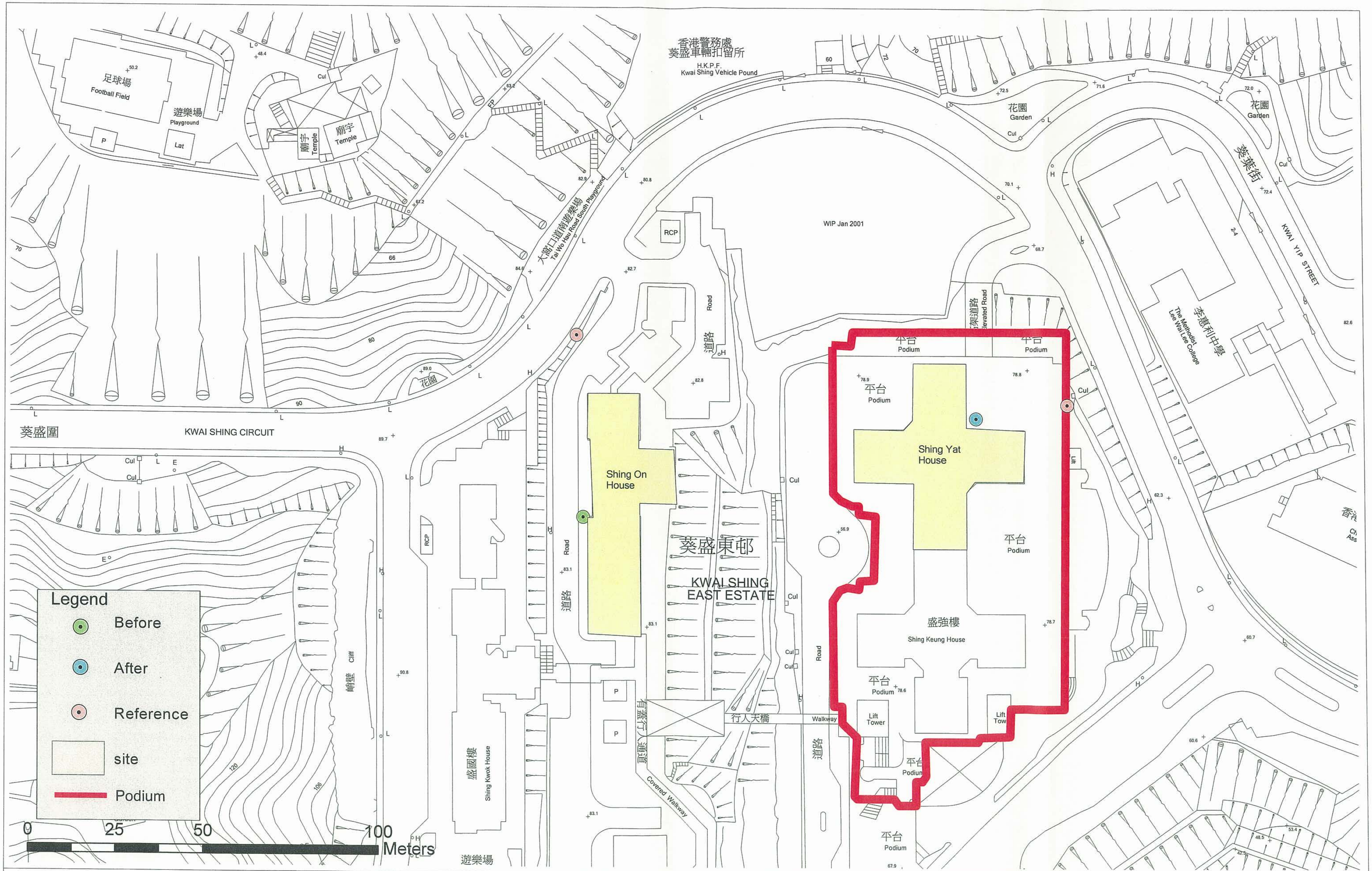

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Sites 25 & 26
Kwai Shing Circuit, Kwai Chung
(with podium)

Drawing No. 圖則編號	PB04		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Jan 2005	Date 日期 Aug 2005	
	Status 現況 FINAL		

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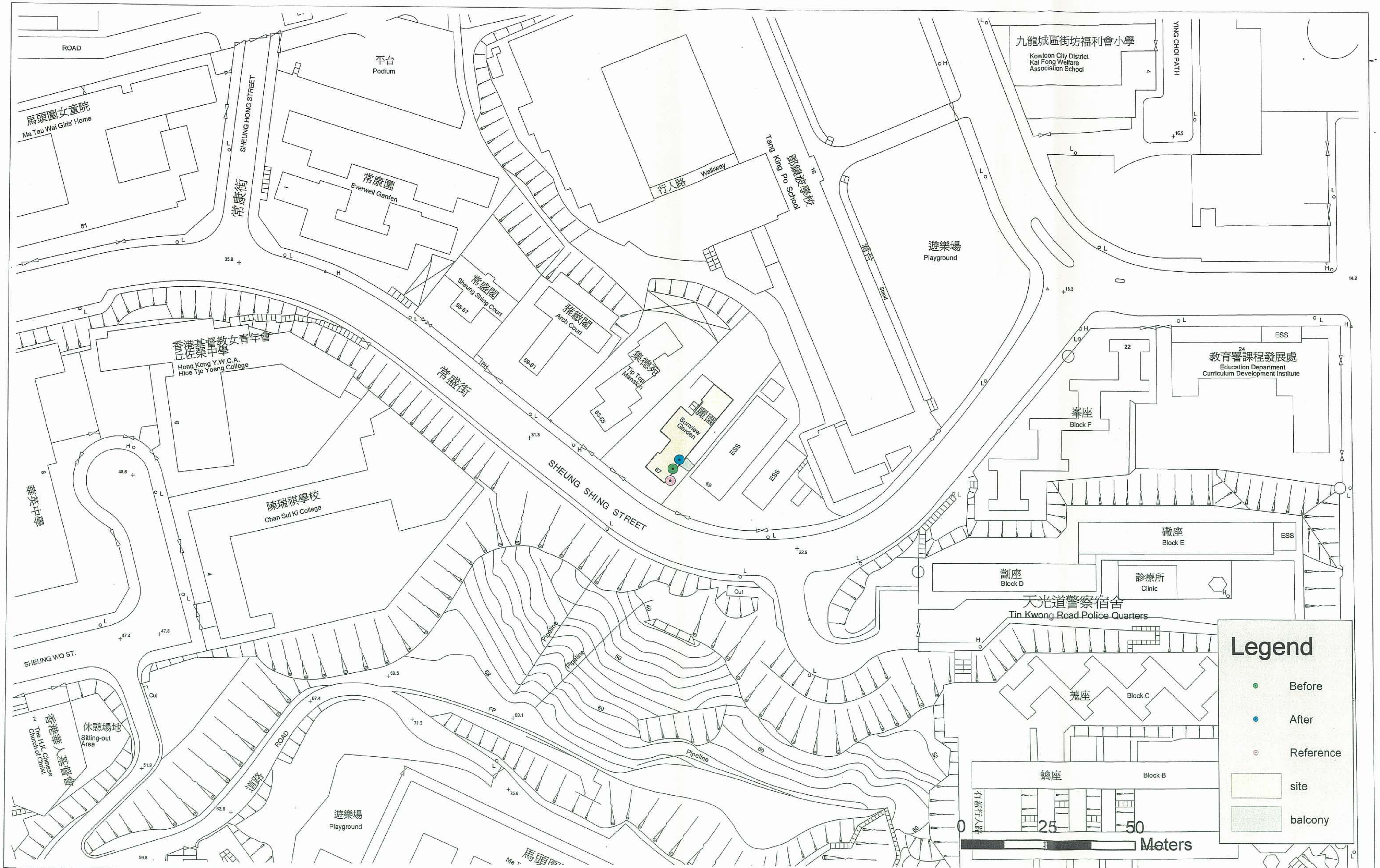

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Hong Kong Government

Provision of Service of
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Site 27 - Sunview Garden
(with balcony)

Drawing No. 圖則編號	BA01		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Oct 2004	Date 日期 Oct 2004	
	Status 現況 FINAL		

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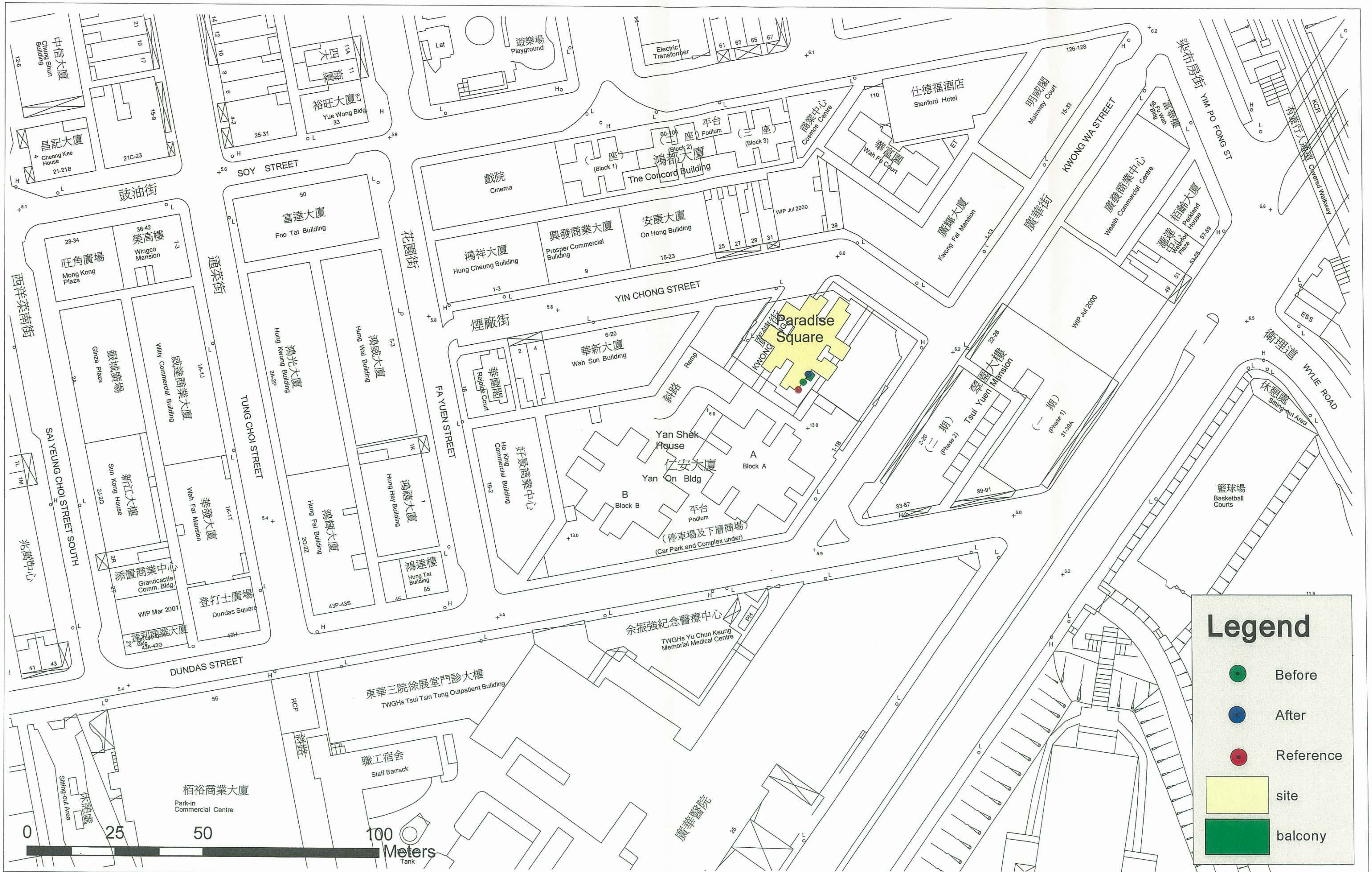

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Hong Kong Government

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Site 28
Kwong Wah Street, Yau Ma Tei
(with balcony)

Drawing No. 圖則編號	BA02		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Dec 2004	Date 日期 Aug 2005	
	Status 現況 FINAL		

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Site 29 - Marigold Mansaion
(with balcony)
at Shun Yung Street

Drawing No. 圖則編號	BA03		
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ	
Scale 比例 1:1,000 in A3	Date 日期 Oct 2004	Date 日期 Oct 2004	
	Status 現況 FINAL		

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Site 30 - Villa Tiara
(with structural fins)

Drawing No. 圖則編號	SF01				
Drawn 設計	DKS	Checked 複核	HTHL	Approved 批准	CPSJ
Scale 比例	1:1,000 in A3	Date 日期	Oct 2004	Date 日期	Oct 2004
		Status 現況	FINAL		

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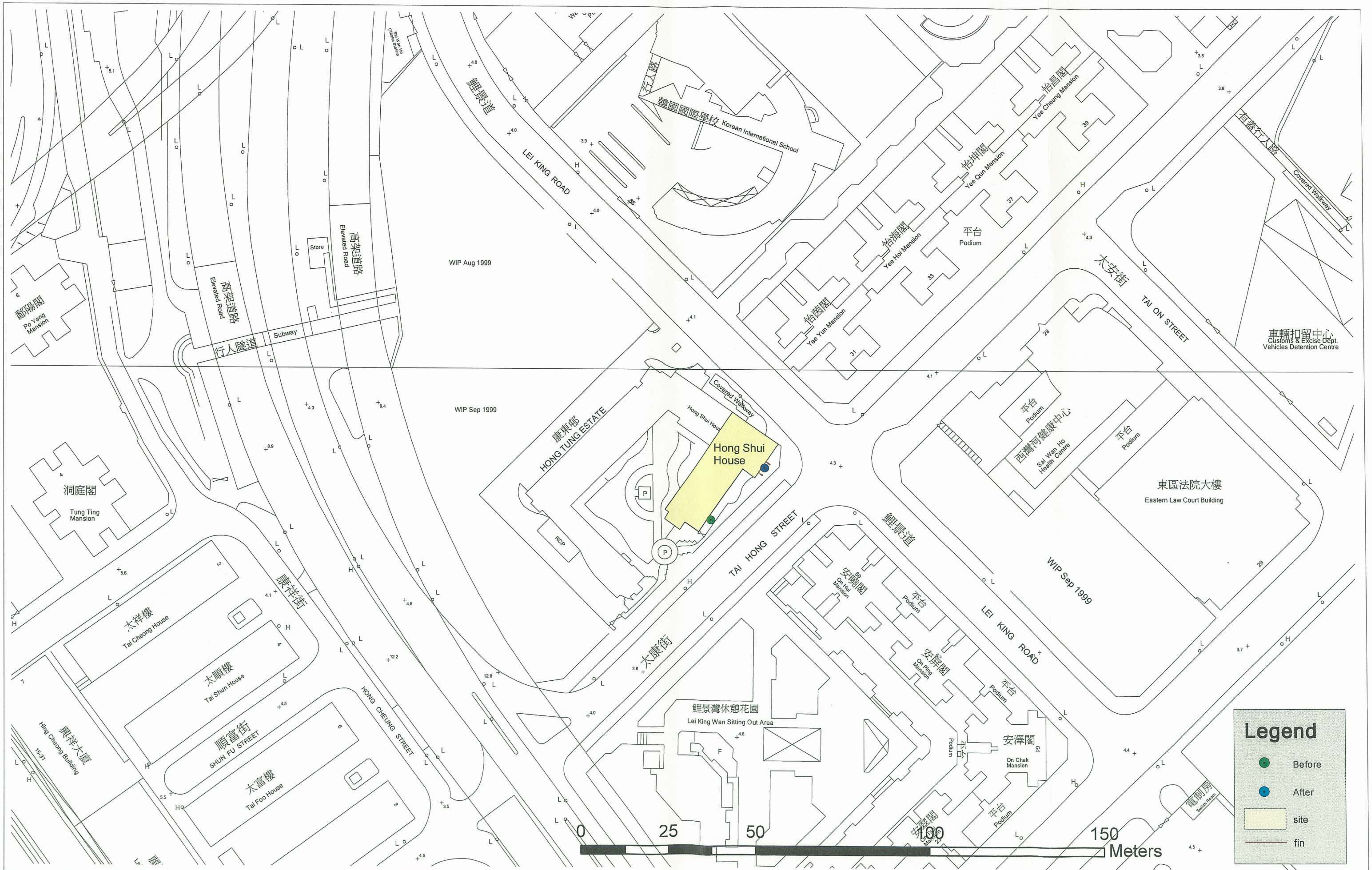

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Environmental Protection Department
Hong Kong Government

Provision of Service of
A Comparative Study of Noise Levels in Hong Kong

Site 31 - Hong Tung Estate
(with structural fins)

Drawing No. 圖則編號	SF02	
Drawn 設計 DKS	Checked 複核 HTHL	Approved 批准 CPSJ
Scale 比例 1:1,000 in A3	Date 日期 Oct 2004	Date 日期 Aug 2005
	Status 現況 FINAL	

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Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-05A
Form No.: 009

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 35.1m (L) x 0.16m (W) x 2.7m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Ting Kok Road near Po Sam Pai			
Location of Monitoring Site	Reference site: See Figure VB01 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB01 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB01 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	15-07-2005			
Measurement Start Time (hh:mm)	09:00 to 09:15			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: < 0.5		Receiver – After site: < 0.5	
Air Temperature (°C)	Receiver – Before site: 30		Receiver – After site: 30	
Relative Humidity (%)	Receiver – Before site: 69		Receiver – After site: 69	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)
		(VD: 4.6 m)	(VD: 4.6 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	70.8	70.4	71.2	Nil	70.8	66.7	Nil	66.9
				71.1	Nil	72.4	65.2	Nil	65.8
	L_{90} (dB(A))	52.4	52.6	53.3	Nil	53.1	48.7	Nil	49.9
				52.6	Nil	52.3	49.5	Nil	49.1
	L_{eq} (dB(A))	66.6	66.8	66.6	Nil	67.2	61.9	Nil	62
				65.9	Nil	65.3	62.3	Nil	62.4
	L_{max} (dB(A))	82.6	84.3	85.2	Nil	86.3	75.4	Nil	74.9
				86.9	Nil	86.3	72.1	Nil	72.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-05
Form No.: 010

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 35.1m (L) x 0.16m (W) x 2.7m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Ting Kok Road near Po Sam Pai			
Location of Monitoring Site	Reference site: See Figure VB01 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB01 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB01 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	Reference (R1):	Reference (R1):	
	Reference (R2):	Reference (R2):	Reference (R2):	
	Receiver – Before site	Receiver – Before site	Receiver – Before site	
	Receiver – After site	Receiver – After site	Receiver – After site	
Date of Monitoring	15-07-2005			
Measurement Start Time (hh:mm)	09:15 to 09:30			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: < 0.5		Receiver – Before site: < 0.5	
Air Temperature (°C)	Receiver – Before site: 30		Receiver – Before site: 30	
Relative Humidity (%)	Receiver – Before site: 69		Receiver – Before site: 69	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)
		(VD: 4.6 m)	(VD: 4.6 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	72.1	72.2	72.1	Nil	71.9	67.8	Nil	68.3
				72.4	Nil	71.1	66.9	Nil	67.5
	L_{90} (dB(A))	58.3	58.6	60.9	Nil	61.3	53.4	Nil	54.1
				63	Nil	62	54.2	Nil	54.6
	L_{eq} (dB(A))	67.8	67.9	67.8	Nil	67.9	61.4	Nil	61.6
				67.4	Nil	66.4	61.8	Nil	63.9
	L_{max} (dB(A))	86.1	86.3	86.6	Nil	86.1	74.5	Nil	74.6
				85.2	Nil	85.4	76.8	Nil	76.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure VB01		
Measurement Time	**DSU 1**	From: 09:00	To: 09:15	
	DSU 2	From: 09:15	To: 09:30	
Road Name/ Direction	Ting Kok Road (south bound)		~~N / E~~ / S / ~~W~~	Speed 55 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	15	14	20	25
Road Name/ Direction	Ting Kok Road (north bound)		N / ~~E / S / W~~	Speed 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	14	16	32	34
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure VB01		
Measurement Time	**DSU 1**	From: 09:00	To: 09:15	
	DSU 2	From: 09:15	To: 09:30	
Road Name/ Direction	Ting Kok Road (south bound)		~~N / E~~ / S / ~~W~~	Speed 58 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	20	24	27	29
Road Name/ Direction	Ting Kok Road (north bound)		N / ~~E / S / W~~	Speed 55 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	20	26	32	38
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB01

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-06B
Form No.: 011

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 35.1m (L) x 0.16m (W) x 2.7m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Ting Kok Road near Po Sam Pai			
Location of Monitoring Site	Reference site: See Figure VB01 and Figure 2.4 Receiver – Before site (B1/B2/B3): See Figure VB01 and Figure 2.4 Receiver – After site(A1/A2/A3): See Figure VB01 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	15-07-2005			
Measurement Start Time (hh:mm)	17:00 to 17:15			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: <0.5		Receiver – After site: < 0.5	
Air Temperature (°C)	Receiver – Before site: 30		Receiver – After site: 30	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 For 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)
		(VD: 4.6 m)	(VD: 4.6 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	71.8	72.1	71.7	Nil	71.9	67.4	Nil	68
				72.3	Nil	71.8	66.2	Nil	66
	L_{90} (dB(A))	55.4	55.6	54.6	Nil	55.3	51.1	Nil	52.3
				55.8	Nil	55.9	51.2	Nil	50.9
	L_{eq} (dB(A))	68.3	68.7	67.7	Nil	68.2	63.4	Nil	64.4
				67.9	Nil	67.8	63.7	Nil	63.2
	L_{max} (dB(A))	86.1	85.7	87.2	Nil	86.8	78.4	Nil	79.3
				85.9	Nil	85.3	80.3	Nil	79.9

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil
Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb		

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-06B
Form No.: 012

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 35.1m (L) x 0.16m (W) x 2.7m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Ting Kok Road near Po Sam Pai			
Location of Monitoring Site	Reference site: See Figure VB01 and Figure 2.4 Receiver – Before site (B1/B2/B3): See Figure VB01 and Figure 2.4 Receiver – After site(A1/A2/A3): See Figure VB01 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	
Date of Monitoring	15-07-2005			
Measurement Start Time (hh:mm)	17:15 to 17:20			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.7		Receiver – After site: 0.6	
Air Temperature (°C)	Receiver – Before site: 26		Receiver – After site: 26	
Relative Humidity (%)	Receiver – Before site: 77		Receiver – After site: 77	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)	(HD: 2 m)	(HD: / m)	(HD: 2 m)
		(VD: 4.6 m)	(VD: 4.6 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	70.5	70.9	71.1	Nil	71	68.4	Nil	68.6
				70.8	Nil	70.6	67.3	Nil	67.9
	L_{90} (dB(A))	54.1	54.3	53.9	Nil	54.6	52.4	Nil	52.9
				53.4	Nil	52.6	51.7	Nil	51.9
	L_{eq} (dB(A))	66.9	67.5	66.8	Nil	67.3	64.8	Nil	64.6
				67.2	Nil	66.4	64.3	Nil	63.9
	L_{max} (dB(A))	87.2	87.6	85.6	Nil	84.9	77.3	Nil	78.2
				82.4	Nil	82.7	78.4	Nil	78.1

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	18-3-05
Checked By	:	M Fan	Fan	18-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure VB01			
Measurement Time	**DSU 1**	From: 17:00	To: 17:15	
	DSU 2	From: 17:15	To: 17:30	
Road Name/ Direction	Ting Kok Road (south bound)		~~N / E~~ / S / ~~W~~	Speed 56 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	25	23	30	29
Road Name/ Direction	Ting Kok Road (north bound)		N / ~~E / S / W~~	Speed 55 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	22	24	36	33
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure VB01			
Measurement Time	**DSU 1**	From: 17:00	To: 17:15	
	DSU 2	From: 17:15	To: 17:30	
Road Name/ Direction	Ting Kok Road (south bound)		~~N / E~~ / S / ~~W~~	Speed 60 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	20	22	30	38
Road Name/ Direction	Ting Kok Road (north bound)		N / ~~E / S / W~~	Speed 59 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	25	24	33	36
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB01

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Ting Kok Road near Po Sum Pai
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 35.1 m (L); 2.7 m (H); 0.16 m (W)

(See Figure VB01 and Figure 2.4)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: VB-05A & VB-06A ; Form No.: 009 to 012)

Genral view of the barrier

General view of the subjected road

Measurement point at reference site ("after" site)

Measurement points at receiver position ("after" site)

Measurement point at reference site ("before" site)

Measurement points at receiver position ("before" site)

Castle Peak Road – Tai Lam Section, So Kwun Wat

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-01A
Form No.: 001

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 180m (L) x 0.2m (W) x 5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Castle Peak Road – Tai Lam Section, So Kwun Wat			
Location of Monitoring Site	Reference site: See Figure VB02 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB02 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB02 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	14-07-2005			
Measurement Start Time (hh:mm)	09:00 to 09:15			
Measurement Time Length (min.)	15			
Weather Condition	Sunny			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: < 0.5		Receiver – After site: < 0.5	
Air Temperature (°C)	Receiver – Before site: 30		Receiver – After site: 30	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 20 m)	(HD: / m)	(HD: 20 m)	(HD: 40 m)	(HD: / m)	(HD: 40 m)
		(VD: 6.5 m)	(VD: 6.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	77.2	77.4	69.2	Nil	69.4	62.2	Nil	62.4
				68.9	Nil	68.6	63.7	Nil	63.4
	L_{90} (dB(A))	60.9	61.2	58.2	Nil	57.9	53.4	Nil	52.1
				56.2	Nil	57.1	53.1	Nil	52.7
	L_{eq} (dB(A))	71.1	71.6	64.1	Nil	64.8	58.3	Nil	58.7
				65.3	Nil	65.8	58.9	Nil	59.1
	L_{max} (dB(A))	88.2	89.3	78.1	Nil	76.1	72.8	Nil	73.4
				79.9	Nil	76.8	75.1	Nil	73.7
Major Activity During Monitoring		Nil			Start (hh:mm) Nil End (hh:mm) Nil				
Noise Measurement Record No		From: Nil			To: Nil				
Photo Record No.		From: Nil			To: Nil				
Audio Record No		From: Nil			To: Nil				
Video Record No		From: Nil			To: Nil				
Special Activities during measurement		Nil			Duration: Nil				
Lmax contributed by		Nil			Time: Nil				

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	18-3-05
Checked By	:	M Fan	Fan	18-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-01
Form No.: 002

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 180m (L) x 0.2m (W) x 5m (H)		Material: ☐ Concrete ☑ Acrylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Castle Peak Road – Tai Lam Section, So Kwun Wat			
Location of Monitoring Site	Reference site: See Figure VB02 and Figure 2.4 Receiver – Before site (B1/B2/B3): See Figure VB02 and Figure 2.4 Receiver – After site(A1/A2/A3): See Figure VB02 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	
Date of Monitoring	14-07-2005			
Measurement Start Time (hh:mm)	09:15 to 09:30			
Measurement Time Length (min.)	15			
Weather Condition	Sunny			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: < 0.5		Receiver – Before site: < 0.5	
Air Temperature (°C)	Receiver – Before site: 30		Receiver – Before site: 30	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – Before site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 20 m)	(HD: / m)	(HD: 20 m)	(HD: 40 m)	(HD: / m)	(HD: 40 m)
		(VD: 6.5 m)	(VD: 6.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	76.8	76.4	68.7	Nil	69.1	61.1	Nil	62.7
				69.7	Nil	69.2	61.8	Nil	62.3
	L_{90} (dB(A))	59.2	59.1	59.2	Nil	58.3	54.2	Nil	53.7
				57.6	Nil	58.6	53.4	Nil	54
	L_{eq} (dB(A))	70.9	70.5	62.4	Nil	62.9	57.2	Nil	57.6
				62.8	Nil	63.2	58.3	Nil	57.8
	L_{max} (dB(A))	90.1	86.2	80.3	Nil	81.2	70.6	Nil	72.8
				78.4	Nil	77.8	75.7	Nil	73.9

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure VB02			
Measurement Time **DSU 1**	From: 9:00		To: 9:15	
Measurement Time **DSU 2**	From: 9:15		To: 9:30	
Road Name/ Direction	Castle Peak Road (west bound)		~~N / E / S~~ / W	Speed 75 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	40	41	56	58
Road Name/ Direction	Castle Peak Road (east bound)		~~N~~ / E / ~~S / W~~	Speed 73 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	54	56	71	73
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure VB02			
Measurement Time **DSU 1**	From: 9:00		To: 9:15	
Measurement Time **DSU 2**	From: 9:15		To: 9:30	
Road Name/ Direction	Castle Peak Road (west bound)		~~N / E / S~~ / W	Speed 76 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 1**
	39	41	55	39
Road Name/ Direction	Castle Peak Road (east bound)		~~N~~ / E / ~~S / W~~	Speed 70 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 1**
	52	55	70	53
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB02

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-02A
Form No.: 003

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 180m (L) x 0.2m (W) x 5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Castle Peak Road – Tai Lam Section, So Kwun Wat			
Location of Monitoring Site	Reference site: See Figure VB02 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB02 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB02 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	14-07-2005			
Measurement Start Time (hh:mm)	16:30 to 16:45			
Measurement Time Length (min.)	15			
Weather Condition	Sunny			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: < 0.5		Receiver – After site: < 0.5	
Air Temperature (°C)	Receiver – Before site: 32		Receiver – After site: 32	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 20 m)	(HD: / m)	(HD: 20 m)	(HD: 40 m)	(HD: / m)	(HD: 40 m)
		(VD: 6.5 m)	(VD: 6.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	72.1	72.8	68.7	Nil	68.6	62.7	Nil	63.8
				68.1	Nil	68.2	64.3	Nil	64.1
	L_{90} (dB(A))	57.3	57	58.8	Nil	59.7	51.6	Nil	51.7
				57.7	Nil	58.9	51.9	Nil	52.1
	L_{eq} (dB(A))	69.4	68.1	66.7	Nil	66.4	58.4	Nil	59.7
				67.1	Nil	67.6	57.9	Nil	58.3
	L_{max} (dB(A))	87.3	84.7	87.7	Nil	89.2	77.8	Nil	78.4
				83.7	Nil	84.4	75.9	Nil	75.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil
Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb		

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	18-3-05
Checked By	:	M Fan	Fan	18-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-02
Form No.: 004

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 180m (L) x 0.2m (W) x 5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Castle Peak Road – Tai Lam Section, So Kwun Wat			
Location of Monitoring Site	Reference site: See Figure VB02 and Figure 2.4 Receiver – Before site (B1/B2/B3): See Figure VB02 and Figure 2.4 Receiver – After site(A1/A2/A3): See Figure VB02 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	Reference (R1): Reference (R2): Receiver – Before site Receiver – After site	
Date of Monitoring	14-07-2005			
Measurement Start Time (hh:mm)	16:45 to 17:00			
Measurement Time Length (min.)	15			
Weather Condition	Sunny			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: < 0.5		Receiver – Before site: < 0.5	
Air Temperature (°C)	Receiver – Before site: 32		Receiver – Before site: 32	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – Before site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 20 m)	(HD: / m)	(HD: 20 m)	(HD: 40 m)	(HD: / m)	(HD: 40 m)
		(VD: 6.5 m)	(VD: 6.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	71.7	72.1	69.4	Nil	69.8	62.7	Nil	63.8
				70.1	Nil	70.3	64.3	Nil	64.1
	L_{90} (dB(A))	56.4	56.7	59.6	Nil	59.7	52.4	Nil	52.7
				61.1	Nil	61.4	52.9	Nil	53.6
	L_{eq} (dB(A))	68	67.5	66.2	Nil	66.1	57.2	Nil	57.3
				65.9	Nil	66.2	57.8	Nil	58.1
	L_{max} (dB(A))	85.1	88.7	83.7	Nil	83.7	77.9	Nil	77.3
				86.3	Nil	86.6	75.1	Nil	74.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure VB02			
Measurement Time	**DSU 1**	From: 16:30		To: 16:45	
	DSU 2	From: 16:45		To: 17:00	
Road Name/ Direction		Castle Peak Road (west bound)		~~N / E / S~~ / W	Speed 71 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		40	41	58	62
Road Name/ Direction		Castle Peak Road (east bound)		~~N~~ / E / ~~S / W~~	Speed 73 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		38	39	57	60
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure VB02			
Measurement Time	**DSU 1**	From: 16:30		To: 16:45	
	DSU 2	From: 16:45		To: 17:00	
Road Name/ Direction		Castle Peak Road (west bound)		~~N / E / S~~ / W	Speed 69 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 1**	**DSU 1**	**DSU 2**
		38	40	57	60
Road Name/ Direction		Castle Peak Road (east bound)		~~N~~ / E / ~~S / W~~	Speed 72 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 1**	**DSU 1**	**DSU 2**
		38	40	57	59
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB02

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Castle Peak Road – Tai Lam Section, So Kwun Wat
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 180 m (L); 5 m (H); 0.2 m (W)

(See Figure VB02 and Figure 2.4)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

<u>**Photos**</u> (Ref. No.: <u>VB-01A & VB-02A</u> ; Form No.: <u>001 to 004</u>)

 Genral view of the subject road	 General view of the receiver site ("before" site)
 Measurement point at reference site ("after" site)	 Measurement points at receiver position ("after" site)
 Measurement point at reference site ("before" site)	 Measurement points at receiver position ("before" site)

Fo Tan Road, Fo Tan

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-03
Form No.: 005

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 310m (L) x 0.1m (W) x 4m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Fo Tan Road			
Location of Monitoring Site	Reference site: See Figure VB03 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB03 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB03 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	17-3-05			
Measurement Start Time (hh:mm)	09:00 to 09:15			
Measurement Time Length (min.)	15			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.8		Receiver – After site: 1.0	
Air Temperature (°C)	Receiver – Before site: 13		Receiver – After site: 13	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
	(HD: 0.5 m)	(HD: 0.5 m)	(HD: 36 m)	(HD: / m)	(HD: 36 m)	(HD: 28 m)	(HD: / m)	(HD: 28 m)
	(VD: 9.5 m)	(VD: 9.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)
L_{10} (dB(A))	76.0	79.4	70.9	Nil	70.2	63.8	Nil	64
			71.2	Nil	70	64.1	Nil	63.8
L_{90} (dB(A))	67.9	67.2	63.6	Nil	63.1	58.6	Nil	58.4
			63.5	Nil	63.5	58.7	Nil	58.6
L_{eq} (dB(A))	73.8	76.1	67	Nil	66.3	62	Nil	61.9
			67.7	Nil	66.4	61.9	Nil	61.6
L_{max} (dB(A))	86.1	87.0	84.1	Nil	85.1	74.3	Nil	75.7
			87.2	Nil	86.7	74.1	Nil	74.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-3-05
Checked By :	M Fan	Fan	17-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-03
Form No.: 006

Mitigation Measure		☑ Vertical Barrier		☐ Cantilevered Barrier		☐ Podium w Barrier		☐ Podium w/o Barrier	
Description of barrier		Size: 310m (L) x 0.1m (W) x 4m (H)				Material: ☐ Concrete ☑ Acrylic ☐ Absorptive Material ☐ Others:			
Name of Concerned Road		Fo Tan Road							
Location of Monitoring Site		Reference site: See Figure VB03 and Figure 2.4							
		Receiver – Before site (B1/B2/B3): See Figure VB03 and Figure 2.4							
		Receiver – After site(A1/A2/A3): See Figure VB03 and Figure 2.4							
Measurement site in "1980 Grid"		Reference (R1):		X: Nil			Y: Nil		
		Reference (R2):		X: Nil			Y: Nil		
		Receiver – Before site		X: Nil			Y: Nil		
		Receiver – After site		X: Nil			Y: Nil		
Date of Monitoring		17-3-05							
Measurement Start Time (hh:mm)		09:15 to 09:30							
Measurement Time Length (min.)		15							
Weather Condition		Cloudy							
Wind Speed (ms^{-1}) & Direction		Receiver – Before site: 0.8					Receiver – After site: 1.0		
Air Temperature (°C)		Receiver – Before site: 13					Receiver – After site: 13		
Relative Humidity (%)		Receiver – Before site: 70					Receiver – After site: 70		
Cloud cover (%)		☐ >80 for 100% measurement time		☑ 50 – 80 for at least 80% measurement time			☐ < 50 for at least 80% measurement time		☐ 0
Noise Meter Model/Serial no.		NL-14							
Calibrator Model/Serial no.		NC-73							
Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 0.5 m)	(HD: 0.5 m)	(HD: 36 m)	(HD: / m)	(HD: 36 m)	(HD: 28 m)	(HD: / m)	(HD: 28 m)
		(VD: 9.5 m)	(VD: 9.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)
	L_{10} (dB(A))	76.6	79.3	70	Nil	69.7	64.7	Nil	64.4
				70.6	Nil	69.1	64.2	Nil	63.9
	L_{90} (dB(A))	68.2	67.4	63.8	Nil	63.3	59	Nil	58.7
				64.1	Nil	63	58.6	Nil	58.6
	L_{eq} (dB(A))	73.7	76.2	67.7	Nil	66.2	62.4	Nil	62.1
				67.9	Nil	66.4	62.2	Nil	61.7
	L_{max} (dB(A))	86.1	88.6	80.3	Nil	86.1	75.3	Nil	73.6
				82.7	Nil	84.2	74	Nil	74.1
Major Activity During Monitoring		Nil				Start (hh:mm) Nil End (hh:mm) Nil			
Noise Measurement Record No		From: Nil				To: Nil			
Photo Record No.		From: Nil				To: Nil			
Audio Record No		From: Nil				To: Nil			
Video Record No		From: Nil				To: Nil			
Special Activities during measurement		Nil				Duration: Nil			
Lmax contributed by		Nil				Time: Nil			
Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb									

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-3-05
Checked By :	M Fan	Fan	17-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure VB03			
Measurement Time	**DSU 1**	From: 09:00		To: 09:15	
	DSU 2	From: 09:15		To: 09:30	
Road Name/ Direction		Fo Tan Road		N / ~~E / S / W~~	Speed 46 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		152	133	174	185
Road Name/ Direction		Fo Tan Road		~~N / E~~ / S / ~~W~~	Speed 49 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		63	59	107	118
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure VB03			
Measurement Time	**DSU 1**	From: 09:00		To: 09:15	
	DSU 2	From: 09:15		To: 09:30	
Road Name/ Direction		Fo Tan Road		N / ~~E / S / W~~	Speed 72 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		296	288	200	217
Road Name/ Direction		Fo Tan Road		~~N / E~~ / S / ~~W~~	Speed 75 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		252	242	166	171
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

* Please note that the traffic flow difference between "Before" and "After" sites will be taken into account in the evaluation of the Barrier Insertion Losses.

Measurement Location Map

See Figure VB03

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-04
Form No.: 007

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 310m (L) x 0.1m (W) x 4m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Fo Tan Road			
Location of Monitoring Site	Reference site: See Figure VB03 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB03 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB03 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	17-3-05			
Measurement Start Time (hh:mm)	17:00 to 17:15			
Measurement Time Length (min.)	15			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 1.0		Receiver – After site: 1.0	
Air Temperature (ºC)	Receiver – Before site: 13		Receiver – After site: 13	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 0.5 m)	(HD: 0.5 m)	(HD: 36 m)	(HD: / m)	(HD: 36 m)	(HD: 28 m)	(HD: / m)	(HD: 28 m)
		(VD: 9.5 m)	(VD: 9.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)
	L_{10} (dB(A))	76.2	79.5	70.7	Nil	70.1	63.7	Nil	63.1
				70.5	Nil	69.8	63.2	Nil	62.8
	L_{90} (dB(A))	68.2	67.7	64.9	Nil	64.2	58.5	Nil	58.6
				65.2	Nil	63.6	58.7	Nil	58.3
	L_{eq} (dB(A))	73.7	76.1	68.3	Nil	67.6	62.1	Nil	61.5
				69	Nil	68.1	62.4	Nil	61.7
	L_{max} (dB(A))	84.1	87.4	86.2	Nil	84.4	75.2	Nil	74.1
				83.7	Nil	85	76.2	Nil	73.8

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-3-05
Checked By :	M Fan	Fan	17-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-04
Form No.: 008

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 310m (L) x 0.1m (W) x 4m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Fo Tan Road			
Location of Monitoring Site	Reference site: See Figure VB03 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB03 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB03 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	17-3-05			
Measurement Start Time (hh:mm)	17:15 to 17:30			
Measurement Time Length (min.)	15			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 1.0		Receiver – After site: 1.0	
Air Temperature (°C)	Receiver – Before site: 13		Receiver – After site: 13	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
	(HD: 0.5 m)	(HD: 0.5 m)	(HD: 36 m)	(HD: / m)	(HD: 36 m)	(HD: 28 m)	(HD: / m)	(HD: 28 m)
	(VD: 9.5 m)	(VD: 9.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.5 m)
L_{10} (dB(A))	77.4	79.7	70.6	Nil	69.9	63.6	Nil	63.7
			70.7	Nil	70.5	64	Nil	63.2
L_{90} (dB(A))	68.5	68.0	65.2	Nil	64.8	58.9	Nil	58.4
			65	Nil	64.9	58.8	Nil	58.1
L_{eq} (dB(A))	74.6	76.3	68.6	Nil	67.7	61.4	Nil	61.2
			69.2	Nil	67.4	61.5	Nil	61.6
L_{max} (dB(A))	84.2	90.1	86.3	Nil	84	74.7	Nil	74
			85.2	Nil	83	75	Nil	76.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-3-05
Checked By :	M Fan	Fan	17-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure VB03			
Measurement Time – **DSU 1**	From: 17:00		To: 17:15	
Measurement Time – **DSU 2**	From: 17:15		To: 17:30	
Road Name/ Direction	Fo Tan Road		N / ~~E / S / W~~	Speed 46 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	90	101	143	133
Road Name/ Direction	Fo Tan Road		~~N / E~~ / S / ~~W~~	Speed 50 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	53	80	47	56
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure VB03			
Measurement Time – **DSU 1**	From: 16:40		To: 16:55	
Measurement Time – **DSU 2**	From: 16:55		To: 17:10	
Road Name/ Direction	Fo Tan Road		N / ~~E / S / W~~	Speed 71 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	194	165	193	207
Road Name/ Direction	Fo Tan Road		~~N / E~~ / S / ~~W~~	Speed 73 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	137	177	199	212
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

* Please note that the traffic flow difference between "Before" and "After" sites will be taken into account in the evaluation of the Barrier Insertion Losses.

Measurement Location Map

See Figure VB03

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Fo Tan Road
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 310 m (L); 4 m (H); 0.1 m (W)

(See Figure VB03 and Figure 2.4)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

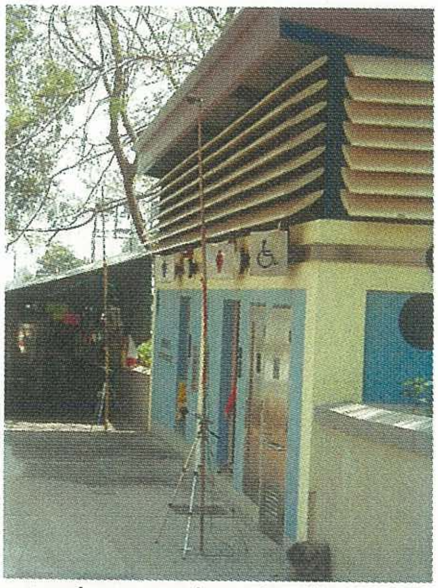
Photos (Ref. No.: VB-03 & VB-04 ; Form No.: 005 to 008)

General view of the mitigation measure at "after" site

General view of the "after" site

Measurement point at receiver site ("after" site)

Measurement point at reference position ("after" site)



Measurement point at receiver site ("before" site)

Measurement point at reference position ("before" site)

Police School Road at Wong Chuk Hang

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-07
Form No.: 013

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 130m (L) x 0.1m (W) x 5.6m (H)		Material: ☐ Concrete ☑ Acrylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Police School Road, Wong Chuk Hang			
Location of Monitoring Site	Reference site: See Figure VB04 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB04 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB04 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	29-10-2004			
Measurement Start Time (hh:mm)	09:20 to 09:35			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5	Receiver – After site: 0.5		
Air Temperature (°C)	Receiver – Before site: 27	Receiver – After site: 27		
Relative Humidity (%)	Receiver – Before site: 70	Receiver – After site: 70		
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 10 m)	(HD: / m)	(HD: 10 m)	(HD: 17 m)	(HD: / m)	(HD: 17 m)
		(VD: 7.5 m)	(VD: 7.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)
	L_{10} (dB(A))	71.0	72.7	71.2	Nil	68.2	61.8	Nil	60.6
				72.2	Nil	69.1	61.8	Nil	61.3
	L_{90} (dB(A))	59.9	61.6	61	Nil	58.6	57.1	Nil	56.3
				60	Nil	57.7	57	Nil	55.9
	L_{eq} (dB(A))	67.6	69.7	68	Nil	65	61.1	Nil	59.4
				68.6	Nil	65.8	61.8	Nil	59.3
	L_{max} (dB(A))	83.3	83.4	80.3	Nil	80.6	76.4	Nil	71.9
				82.9	Nil	82.3	73.1	Nil	70.5

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	29-10-04
Checked By :	M Fan	Fan	29-10-04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-07
Form No.: 014

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 130m (L) x 0.1m (W) x 5.6m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Police School Road, Wong Chuk Hang			
Location of Monitoring Site	Reference site: See Figure VB04 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB04 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB04 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	29-10-2004			
Measurement Start Time (hh:mm)	09:35 to 09:50			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5		Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: 27		Receiver – After site: 27	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 10 m)	(HD: / m)	(HD: 10 m)	(HD: 17 m)	(HD: / m)	(HD: 17 m)
		(VD: 7.5 m)	(VD: 7.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)
	L_{10} (dB(A))	69.6	72.0	69.9	Nil	66.9	67.3	Nil	65.3
				70.8	Nil	67.3	66.2	Nil	65.3
	L_{90} (dB(A))	59.1	58.3	60.5	Nil	58.3	57.1	Nil	55.9
				60.7	Nil	57.6	57	Nil	56
	L_{eq} (dB(A))	66.7	68.8	67.1	Nil	64	64.1	Nil	61.8
				67.6	Nil	64.2	63	Nil	61.9
	L_{max} (dB(A))	81.7	85.1	81.2	Nil	78.2	78.5	Nil	74.6
				80.7	Nil	78.2	78.9	Nil	76.3

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	29-10-04
Checked By	:	M Fan	Fan	29-10-04

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure VB04			
Measurement Time	**DSU 1**	From: 09:20		To: 09:35	
	DSU 2	From: 09:35		To: 09:50	
Road Name/ Direction		Police School Road		~~N / E~~ / S / ~~W~~	Speed 55 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		50	47	75	71
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure VB04			
Measurement Time	**DSU 1**	From: 09:20		To: 09:35	
	DSU 2	From: 09:35		To: 09:50	
Road Name/ Direction		Police School Road		~~N / E~~ / S / ~~W~~	Speed 58 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		46	45	68	65
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-08
Form No.: 015

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 130m (L) x 0.1m (W) x 5.6m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Police School Road, Wong Chuk Hang			
Location of Monitoring Site	Reference site: See Figure VB04 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB04 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB04 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	29-10-2004			
Measurement Start Time (hh:mm)	16:45 to 17:00			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5		Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: 27		Receiver – After site: 27	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 10 m)	(HD: / m)	(HD: 10 m)	(HD: 17 m)	(HD: / m)	(HD: 17 m)
		(VD: 7.5 m)	(VD: 7.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)
	L_{10} (dB(A))	67.7	73.0	69.6	Nil	66.4	65.2	Nil	62.5
				71.9	Nil	68.3	65.4	Nil	64
	L_{90} (dB(A))	59.5	60.7	57.5	Nil	56.1	59.2	Nil	57.3
				57.6	Nil	55.5	58.8	Nil	57.4
	L_{eq} (dB(A))	71.0	69.0	66.1	Nil	63.1	62.8	Nil	60.4
				68.2	Nil	64.6	62.2	Nil	61
	L_{max} (dB(A))	88.3	84.1	81.1	Nil	78.2	72.9	Nil	71.9
				85.2	Nil	79.9	72	Nil	72.7

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	29-10-04
Checked By :	M Fan	Fan	29-10-04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-08
Form No.: 016

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 130m (L) x 0.1m (W) x 5.6m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Police School Road, Wong Chuk Hang			
Location of Monitoring Site	Reference site: See Figure VB04 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB04 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB04 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	29-10-2004			
Measurement Start Time (hh:mm)	17:00 to 17:15			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5		Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: 27		Receiver – After site: 27	
Relative Humidity (%)	Receiver – Before site: 70		Receiver – After site: 70	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☑ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 10 m)	(HD: / m)	(HD: 10 m)	(HD: 17 m)	(HD: / m)	(HD: 17 m)
		(VD: 7.5 m)	(VD: 7.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)	(VD: 1.2 m)	(VD: / m)	(VD: 4.7 m)
	L_{10} (dB(A))	71.5	71.3	69.8	Nil	66.8	61	Nil	59.9
				72.7	Nil	69.2	63	Nil	61.9
	L_{90} (dB(A))	59.1	59.5	56.7	Nil	55.3	56.7	Nil	55.2
				57	Nil	55.3	57.1	Nil	56.1
	L_{eq} (dB(A))	67.9	68.7	66.2	Nil	63.4	59.2	Nil	58
				68.7	Nil	65.4	60.6	Nil	59.5
	L_{max} (dB(A))	83.2	87.4	80.6	Nil	77.6	70.9	Nil	69.6
				84.2	Nil	79.9	75.2	Nil	74.3

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	29-10-04
Checked By :	M Fan	Fan	29-10-04

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		(**Before Site**): See Figure VB04			
Measurement Time	**DSU 1**	From: 16:45		To: 17:00	
	DSU 2	From: 17:00		To: 17:15	
Road Name/ Direction		Police School Road		~~N / E~~ / S / ~~W~~	Speed 53 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		81	58	68	80
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		(**After Site**): See Figure VB04			
Measurement Time	**DSU 1**	From: 16:45		To: 17:00	
	DSU 2	From: 17:00		To: 17:15	
Road Name/ Direction		Police School Road		~~N / E~~ / S / ~~W~~	Speed 56 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		61	55	92	100
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Police School Road, Wong Chuk Hang
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 130 m (L); 5.6 m (H); 0.1 m (W)

(See Figure VB04 and Figure 2.4)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

<u>Photos</u> (Ref. No.: <u>VB-07 & VB-08</u> ; Form No.: <u>013 to 016</u>)


Genral view of the road with mitigation measure


General view of the "after" site


Measurement point at receiver site ("after" site)


Measurement point at reference position ("after" site)


Measurement point at receiver site ("before" site)


Measurement point at reference position ("before" site)

Tung Wui Road, Kam Tin

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-09
Form No.: 017

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 65m (L) x 0.1m (W) x 3.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Tung Wui Road, Kam Tin			
Location of Monitoring Site	Reference site: See Figure VB05 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB05 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB05 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	14-3-05			
Measurement Start Time (hh:mm)	09:00 to 09:15			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 15		Receiver – After site: 15	
Relative Humidity (%)	Receiver – Before site: 90		Receiver – After site: 90	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 13 m)	(HD: / m)	(HD: 13 m)	(HD: 8 m)	(HD: / m)	(HD: 8 m)
		(VD: 7.5 m)	(VD: 7.5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	67.7	68.5	63.8	Nil	63.9	55.7	Nil	57.1
				63.4	Nil	63.6	56	Nil	57.2
	L_{90} (dB(A))	56.7	51.2	53.8	Nil	54.7	45.9	Nil	47
				53.7	Nil	54.5	46.3	Nil	46.3
	L_{eq} (dB(A))	64.5	65	60.4	Nil	62	53	Nil	54.2
				60.9	Nil	61.1	53.4	Nil	54.1
	L_{max} (dB(A))	81.6	84.1	74.1	Nil	74.9	74	Nil	74.8
				74.2	Nil	74.2	73.2	Nil	73.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	14-3-05
Checked By :	M Fan	Fan	14-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-10
Form No.: 018

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 65m (L) x 0.1m (W) x 3.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Tung Wui Road, Kam Tin			
Location of Monitoring Site	Reference site: See Figure VB05 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB05 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB05 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	14-3-05			
Measurement Start Time (hh:mm)	09:15 to 09:30			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 15		Receiver – After site: 15	
Relative Humidity (%)	Receiver – Before site: 90		Receiver – After site: 90	
Cloud cover (%)	☐ > 80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 13 m)	(HD: / m)	(HD: 13 m)	(HD: 8 m)	(HD: / m)	(HD: 8 m)
		(VD: 5 m)	(VD: 5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	68.9	67.5	62.6	Nil	63.2	55.8	Nil	57.3
				62.9	Nil	63.1	56.1	Nil	56.8
	L_{90} (dB(A))	55.9	50.8	54.2	Nil	54.8	45.3	Nil	46.7
				53.6	Nil	54.5	45.7	Nil	45.4
	L_{eq} (dB(A))	65.7	63.7	60.2	Nil	61.9	53.6	Nil	54.5
				59.7	Nil	60.5	53.6	Nil	54.5
	L_{max} (dB(A))	84.1	79.4	74.7	Nil	74.5	72.8	Nil	73.8
				74.3	Nil	73.7	73.6	Nil	73.1

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	14-3-05
Checked By :	M Fan	Fan	14-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure VB05			
Measurement Time	**DSU 1**	From: 09:00		To: 09:15	
	DSU 2	From: 09:15		To: 09:30	
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / S / ~~W~~	Speed 55 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		22	15	10	16
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / ~~S~~ / W	Speed 59 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		14	15	18	17
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure VB05			
Measurement Time	**DSU 1**	From: 09:00		To: 09:15	
	DSU 2	From: 09:15		To: 09:30	
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / S / ~~W~~	Speed 54 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		31	25	19	16
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / ~~S~~ / W	Speed 50 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		17	21	16	14
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-09
Form No.: 019

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 65m (L) x 0.1m (W) x 3.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Tung Wui Road, Kam Tin			
Location of Monitoring Site	Reference site: See Figure VB05 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB05 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB05 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	14-3-05			
Measurement Start Time (hh:mm)	16:50 to 17:05			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 16		Receiver – After site: 16	
Relative Humidity (%)	Receiver – Before site: 90		Receiver – After site: 90	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 13 m)	(HD: / m)	(HD: 13 m)	(HD: 8 m)	(HD: / m)	(HD: 8 m)
		(VD: 5 m)	(VD: 5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	68.7	67.3	62.4	Nil	63	55.2	Nil	56.4
				62.5	Nil	63.1	56.1	Nil	56.4
	L_{90} (dB(A))	55.5	51	52.8	Nil	54.1	45	Nil	46.7
				53.8	Nil	53.8	45.6	Nil	46
	L_{eq} (dB(A))	65.5	64.2	60	Nil	61.6	52.3	Nil	53.4
				59.5	Nil	60.6	53	Nil	53.3
	L_{max} (dB(A))	84	81.7	73.1	Nil	74.1	71.4	Nil	71.1
				73.6	Nil	73.7	71.6	Nil	71.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	14-3-05
Checked By :	M Fan	Fan	14-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: VB-10
Form No.: 020

Mitigation Measure	☑ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 65m (L) x 0.1m (W) x 3.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Tung Wui Road, Kam Tin			
Location of Monitoring Site	Reference site: See Figure VB05 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure VB05 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure VB05 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	14-3-05			
Measurement Start Time (hh:mm)	17:05 to 17:20			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 16		Receiver – After site: 16	
Relative Humidity (%)	Receiver – Before site: 90		Receiver – After site: 90	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-14			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 2 m)	(HD: 2 m)	(HD: 13 m)	(HD: / m)	(HD: 13 m)	(HD: 8 m)	(HD: / m)	(HD: 8 m)
		(VD: 5 m)	(VD: 5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)	(VD: 1.2 m)	(VD: / m)	(VD: 2 m)
	L_{10} (dB(A))	69.2	68.4	62.6	Nil	63.1	55.7	Nil	56.8
				62.7	Nil	63.2	55.9	Nil	56.7
	L_{90} (dB(A))	55.2	53	52.5	Nil	53.5	44.7	Nil	46.6
				52.5	Nil	53.3	45.7	Nil	45.7
	L_{eq} (dB(A))	66.1	64.9	59.6	Nil	61.7	53	Nil	53.9
				60.5	Nil	60.7	53.8	Nil	53.8
	L_{max} (dB(A))	82.6	81.2	71.9	Nil	74.6	71	Nil	73.4
				72.5	Nil	72.6	71.1	Nil	72.3

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	14-3-05
Checked By :	M Fan	Fan	14-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure VB05			
Measurement Time	**DSU 1**	From: 16:50		To: 17:05	
	DSU 2	From: 17:05		To: 17:20	
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / S / ~~W~~	Speed 52 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		31	21	23	25
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / ~~S~~ / W	Speed 56 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		15	7	14	17
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure VB05			
Measurement Time	**DSU 1**	From: 16:50		To: 17:05	
	DSU 2	From: 17:05		To: 17:20	
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / S / ~~W~~	Speed 54 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		29	25	23	21
Road Name/ Direction		Tung Wui Road		~~N~~ / ~~E~~ / ~~S~~ / W	Speed 55 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		18	17	10	15
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure VB05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Tung Wui Road, Kam Tin
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 65 m (L); 3.5 m (H); 0.1 m (W)

(See Figure VB05 and Figure 2.4)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: VB-09 & VB-10 ; Form No.: 017 to 020)

Genral view of the subjected road

General view of the subjected road

Measurement point at receiver site ("after" site)

Measurement point at reference position ("after" site)

Measurement point at receiver site ("before" site)

Measurement point at reference position ("before" site)

Wong Tai Sin Road, Wong Tai Sin

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-01
Form No.: 001

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 130m (L) x 0.1m (W) x 8m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Wong Tai Sin Road			
Location of Monitoring Site	Reference site: See Figure CB01 and Figure 2.4 Receiver – Before site (B1/B2/B3): See Figure CB01 and Figure 2.4 Receiver – After site(A1/A2/A3): See Figure CB01 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	19-3-05			
Measurement Start Time (hh:mm)	08:40			
Measurement Time Length (min.)	30			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.3		Receiver – After site: 0.3	
Air Temperature (°C)	Receiver – Before site: 18		Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: 80		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 1)	B2 (Floor no. 3)	B3 (Floor no. 5)	A1 (Floor no. 3)	A2 (Floor no. 6)	A3 (Floor no. 9)
	(HD: 3 m)	(HD: 3 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 23 m)	(HD: 23 m)	(HD: 23 m)
	(VD: 9.5 m)	(VD: 9.5 m)	(VD: 1.2 m)	(VD: 7 m)	(VD: 12.5 m)	(VD: 10 m)	(VD: 18 m)	(VD: 25 m)
L_{10} (dB(A))	77.5	74.3	71.6	71.4	68.5	62.8	61.6	60.2
	78.1	72.4	72.5	71.4	69	60.5	61	60.1
L_{90} (dB(A))	64.1	66.8	60.2	60	59.5	57.6	57.8	56.7
	65.8	64.2	61	59.9	59	55.7	56.6	55.8
L_{eq} (dB(A))	73.8	72.2	67.9	67.4	65.5	60.7	60	58.6
	74.5	69.8	69	68.4	66.7	58.6	59.2	58.2
L_{max} (dB(A))	88	86.6	81.4	79.9	81.2	68.5	67.1	71.1
	87.5	90.9	83.7	84	82.7	70.8	75	72.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	19-3-05
Checked By :	M Fan	Fan	19-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure CB01			
Measurement Time	**DSU 1**	From: 08:40		To: 08:55	
	DSU 2	From: 08:55		To: 09:10	
Road Name/ Direction		Wong Tai Sin Road		~~N / E / S~~ / W	Speed 54 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		38	38	38	41
Road Name/ Direction		Wong Tai Sin Road		~~N~~ / E / ~~S / W~~	Speed 52 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		49	36	17	21
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure CB01			
Measurement Time	**DSU 1**	From: 08:40		To: 08:55	
	DSU 2	From: 08:55		To: 09:10	
Road Name/ Direction		Wong Tai Sin Road		~~N / E / S~~ / W	Speed 55 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		30	43	38	51
Road Name/ Direction		Wong Tai Sin Road		~~N~~ / E / ~~S / W~~	Speed 56 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		49	52	19	33
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB01

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-01
Form No.: 002

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 130m (L) x 0.1m (W) x 8m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Wong Tai Sin Road			
Location of Monitoring Site	Reference site: See Figure CB01 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure CB01 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure CB01 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	19-3-05			
Measurement Start Time (hh:mm)	18:00			
Measurement Time Length (min.)	30			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.3		Receiver – After site: 0.3	
Air Temperature (°C)	Receiver – Before site: 18		Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: 80		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 1)	B2 (Floor no. 3)	B3 (Floor no. 5)	A1 (Floor no. 3)	A2 (Floor no. 6)	A3 (Floor no. 9)
	(HD: 3 m)	(HD: 3 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 23 m)	(HD: 23 m)	(HD: 23 m)
	(VD: 9.5 m)	(VD: 9.5 m)	(VD: 1.2 m)	(VD: 7 m)	(VD: 12.5 m)	(VD: 10 m)	(VD: 18 m)	(VD: 25 m)
L_{10} (dB(A))	77	73.6	73	72.3	69	60.6	61.8	61
	78.1	70.8	72.7	72.2	70.2	60.6	62	60.7
L_{90} (dB(A))	65.3	64.9	60.9	59	59	55.7	56.6	56
	65.1	63.7	60.9	60.6	59	56.1	56.7	56.8
L_{eq} (dB(A))	73.7	71.3	68.3	68.6	65.7	58.6	59.7	58.8
	73.3	68.2	69.6	69.2	67.2	58.6	59.7	59.1
L_{max} (dB(A))	87	93.8	81.9	83	79.4	67.9	69.3	72.2
	88.2	81.7	83.2	88.3	86.3	67.7	73.1	72.8

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	19-3-05
Checked By :	M Fan	Fan	19-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		(**Before Site**): See Figure CB01			
Measurement Time	**DSU 1**	From: 18:00		To: 18:15	
	DSU 2	From: 18:15		To: 18:30	
Road Name/ Direction		Wong Tai Sin Road		~~N / E / S~~ / W	Speed 51 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		51	50	41	36
Road Name/ Direction		Wong Tai Sin Road		~~N~~ / E / ~~S / W~~	Speed 55 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		50	55	16	18
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		(**After Site**): See Figure CB01			
Measurement Time	**DSU 1**	From: 18:00		To: 18:15	
	DSU 2	From: 18:15		To: 18:30	
Road Name/ Direction		Wong Tai Sin Road		~~N / E / S~~ / W	Speed 54 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 1**	**DSU 2**	**DSU 2**
		43	27	35	24
Road Name/ Direction		Wong Tai Sin Road		~~N~~ / E / ~~S / W~~	Speed 50 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		51	47	21	16
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB01

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Wong Tai Sin Road
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 130 m (L); 8 m (H); 0.1 m (W)

(See Figure CB01 and Figure 2.4)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: CB-01 ; Form No.: 001 to 002)

Genral view of the subject road

General view of the cantilever barrier

Measurement point at reference site ("after" site)

Measurement points at receiver position

Measurement point at reference site ("before" site)

Measurement points at receiver position

Sham Mong Road, Sham Shui Po

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-02
Form No.: 003

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 215m (L) x 0.1m (W) x 6.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Sham Mong Road			
Location of Monitoring Site	Reference site: See Figure CB02 and Figure 2.4			
	Receiver – Before site (B1/B2/B3): See Figure CB02 and Figure 2.4			
	Receiver – After site(A1/A2/A3): See Figure CB02 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	11-3-05			
Measurement Start Time (hh:mm)	09:00 to 09:30			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5		Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: 10		Receiver – After site: 10	
Relative Humidity (%)	Receiver – Before site: 95		Receiver – After site: 95	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 6)	B2 (Floor no. 9)	B3 (Floor no. 12)	A1 (Floor no. 6)	A2 (Floor no. 9)	A3 (Floor no. 12)
		(HD: 2 m)	(HD: 2 m)	(HD: 40m)	(HD: 40 m)	(HD: 40 m)	(HD: 30 m)	(HD: 30 m)	(HD: 30 m)
		(VD: 8 m)	(VD: 8 m)	(VD: 19 m)	(VD: 27 m)	(VD: 35 m)	(VD: 19 m)	(VD: 27 m)	(VD: 35 m)
	L_{10} (dB(A))	70.8	70.3	66.2	66.2	64.4	59.1	61.9	61
		69.4	69.8	67.2	66.4	65.9	58.6	61.3	61.5
	L_{90} (dB(A))	59	58	58.8	60.7	61.5	53.8	53.1	57.7
		58.3	56.9	58.2	60.2	61.5	54.3	53.5	58.4
	L_{eq} (dB(A))	67.9	68.3	63.7	63.7	63	57.7	59	59.6
		66.1	67.6	63.1	63	63.1	57.3	59.2	59.5
	L_{max} (dB(A))	85	83.3	87.2	81.5	89.7	74.1	74.4	71.1
		86.5	85.1	75.8	76.2	73.6	73.9	74.5	72.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil
Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb		

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	11-3-05
Checked By :	M Fan	Fan	11-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure CB02			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Sham Mong Road		~~N / E / S~~ / W	Speed 50 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	24	19	25	21
Road Name/ Direction	Sham Mong Road		~~N~~ / E / ~~S / W~~	Speed 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	22	29	39	32
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure CB02			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Sham Mong Road		~~N / E / S~~ / W	Speed 53 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	12	23	21	20
Road Name/ Direction	Sham Mong Road		~~N~~ / E / ~~S / W~~	Speed 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	12	9	30	31
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB02

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-02
Form No.: 004

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 215m (L) x 0.1m (W) x 6.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Sham Mong Road			
Location of Monitoring Site	Reference site: See Figure CB02 and Figure 2.4 Receiver – Before site (B1/B2/B3): See Figure CB02 and Figure 2.4 Receiver – After site(A1/A2/A3): See Figure CB02 and Figure 2.4			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	11-3-05			
Measurement Start Time (hh:mm)	17:00 to 17:30			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5	Receiver – After site: 0.5		
Air Temperature (°C)	Receiver – Before site: 10	Receiver – After site: 10		
Relative Humidity (%)	Receiver – Before site: 95	Receiver – After site: 95		
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 6)	B2 (Floor no. 9)	B3 (Floor no. 12)	A1 (Floor no. 6)	A2 (Floor no. 9)	A3 (Floor no. 12)
		(HD: 2 m)	(HD: 2 m)	(HD: 40m)	(HD: 40 m)	(HD: 40 m)	(HD: 30 m)	(HD: 30 m)	(HD: 30 m)
		(VD: 8 m)	(VD: 8 m)	(VD: 19 m)	(VD: 27 m)	(VD: 35 m)	(VD: 19 m)	(VD: 27 m)	(VD: 35 m)
	L_{10} (dB(A))	70.2	69.6	66	64.3	64.8	58.4	61.2	61.5
		69.6	69.9	65.1	65.3	64	59.6	61.7	61
	L_{90} (dB(A))	58.4	57.2	58.3	60.3	61	53.9	53.2	54.9
		58.2	57.5	58.1	60.3	60.5	53.6	53.2	54.7
	L_{eq} (dB(A))	66.8	67.3	62.4	62.9	63.4	57.1	58	58.7
		67.1	67.6	61.6	63.7	62.9	57.7	58.1	58.2
	L_{max} (dB(A))	84.8	84.7	76.8	80.1	81.1	75.5	73.1	73.3
		86.8	89.3	74.2	73.8	73.2	70.7	71.9	71.1

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	11-3-05
Checked By :	M Fan	Fan	11-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure CB02			
Measurement Time **DSU 1**	From: 17:00		To: 17:15	
Measurement Time **DSU 2**	From: 17:15		To: 17:30	
Road Name/ Direction	Sham Mong Road		~~N / E / S~~ / W	Speed 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	15	25	26	24
Road Name/ Direction	Sham Mong Road		~~N~~ / E / ~~S / W~~	Speed 53 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	20	16	45	38
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure CB02			
Measurement Time **DSU 1**	From: 17:00		To: 17:15	
Measurement Time **DSU 2**	From: 17:15		To: 17:30	
Road Name/ Direction	Sham Mong Road		~~N / E / S~~ / W	Speed 54 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 1**	**DSU 2**	**DSU 2**
	19	19	19	21
Road Name/ Direction	Sham Mong Road		~~N~~ / E / ~~S / W~~	Speed 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	24	31	28	33
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB02

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Sham Mong Road
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 215 m (L); 6.5 m (H); 0.1 m (W)

(See Figure CB02 and Figure 2.4)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: CB-02 ; Form No.: 003 to 004)

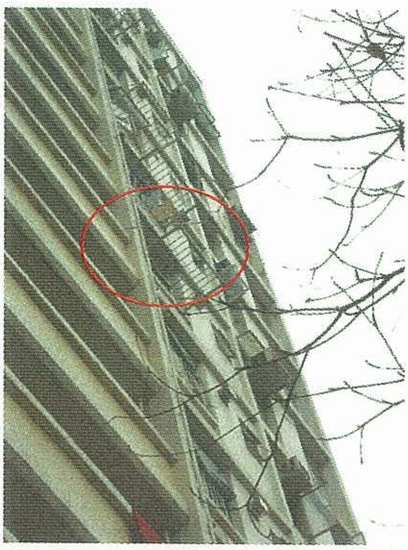
Measurement point at reference site ("after" site)

Measurement point at reference site ("before" site)

Measurement point at receiver position ("after" site)

Measurement points at receiver position ("after" site)

Measurement point at receiver position ("before" site)



Measurement point at receiver position ("before" site)

Tsing Yi Road, Tsing Yi

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-03
Form No.: 005

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 105m (L) x 0.1m (W) x 8m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Tsing Yi Road			
Location of Monitoring Site	Reference site: See Figure CB03 and Figure 2.1			
	Receiver – Before site (B1/B2/B3): See Figure CB03 and Figure 2.1			
	Receiver – After site(A1/A2/A3): See Figure CB03 and Figure 2.1			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	3/1/05			
Measurement Start Time (hh:mm)	09:00 to 09:30			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 15	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 60	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 1)	A2 (Floor no. 3)	A3 (Floor no. 6)
		(HD: / m)	(HD: 2 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 23.5 m)	(HD: 23.5 m)	(HD: 23.5 m)
		(VD: / m)	(VD: 9.5 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 3.9 m)	(VD: 10 m)	(VD: 17.5 m)
	L_{10} (dB(A))	Nil	77.1	Nil	Nil	Nil	63.6	65.8	69.8
		Nil	77.5	Nil	Nil	Nil	63.6	65.8	70.3
	L_{90} (dB(A))	Nil	65.0	Nil	Nil	Nil	58.3	61.9	63.6
		Nil	66.2	Nil	Nil	Nil	58.7	61.8	64.4
	L_{eq} (dB(A))	Nil	73.4	Nil	Nil	Nil	62.1	64.3	67.4
		Nil	73.7	Nil	Nil	Nil	61.6	64.1	68.0
	L_{max} (dB(A))	Nil	86.2	Nil	Nil	Nil	81.1	80.1	83.9
		Nil	85.0	Nil	Nil	Nil	71.7	76.2	80.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	3-1-05
Checked By :	M Fan	Fan	3-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: N/A			
Measurement Time **DSU 1**	From:		To:	
Measurement Time **DSU 2**	From:		To:	
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure CB03			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Tsing Yi Road		N / ~~E / S / W~~	Speed 60 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	59	54	75	82
Road Name/ Direction	Tsing Yi Road		~~N / E~~ / S / ~~W~~	Speed 60 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	55	53	73	86
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB03

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-03
Form No.: 006

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 105m (L) x 0.1m (W) x 8m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Tsing Yi Road			
Location of Monitoring Site	Reference site: See Figure CB03 and Figure 2.1			
	Receiver – Before site (B1/B2/B3): See Figure CB03 and Figure 2.1			
	Receiver – After site(A1/A2/A3): See Figure CB03 and Figure 2.1			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	3/1/05			
Measurement Start Time (hh:mm)	16:45 to 17:15			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.5	
Air Temperature (ºC)	Receiver – Before site: Nil		Receiver – After site: 17	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 60	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 1)	A2 (Floor no. 3)	A3 (Floor no. 6)
	(HD: / m)	(HD: 2 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 23.5 m)	(HD: 23.5 m)	(HD: 23.5 m)
	(VD: / m)	(VD: 9.5 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 3.9 m)	(VD: 10 m)	(VD: 17.5 m)
L_{10} (dB(A))	Nil	77.1	Nil	Nil	Nil	63.4	65.4	70.1
	Nil	76.6	Nil	Nil	Nil	62.6	64.6	69.7
L_{90} (dB(A))	Nil	66.0	Nil	Nil	Nil	57.3	60.5	63.3
	Nil	65.5	Nil	Nil	Nil	56.9	60.1	63.2
L_{eq} (dB(A))	Nil	73.9	Nil	Nil	Nil	61.5	63.4	67.6
	Nil	73.0	Nil	Nil	Nil	60.7	62.8	67.1
L_{max} (dB(A))	Nil	86.1	Nil	Nil	Nil	77.4	75.5	85.7
	Nil	85.6	Nil	Nil	Nil	72.1	74.3	85.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	3-1-05
Checked By :	M Fan	Fan	3-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: N/A			
Measurement Time – **DSU 1**	From:		To:	
Measurement Time – **DSU 2**	From:		To:	
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	144		113	
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure CB03			
Measurement Time – **DSU 1**	From: 17:00		To: 17:15	
Measurement Time – **DSU 2**	From: 17:15		To: 17:30	
Road Name/ Direction	Tsing Yi Road		N / ~~E / S / W~~	Speed 58 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 1**	**DSU 2**	**DSU 2**
	51	48	84	79
Road Name/ Direction	Tsing Yi Road		~~N / E~~ / S / ~~W~~	Speed 58 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	49	54	92	90
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB03

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Tsing Yi Road
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 105 m (L); 8 m (H); 0.1 m (W)

(See Figure CB03 and Figure 2.1)

X – Measurement Location

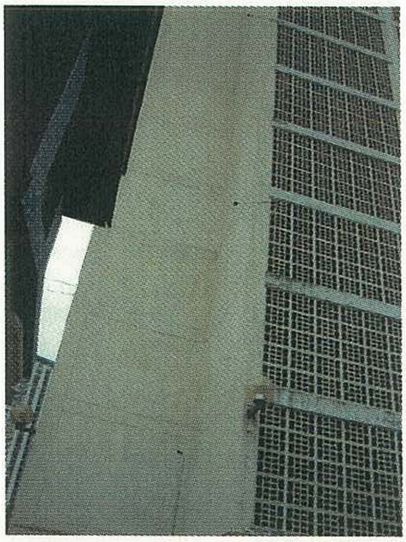
Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: CB-03 ; Form No.: 005 to 006)

Genral view of the subject road

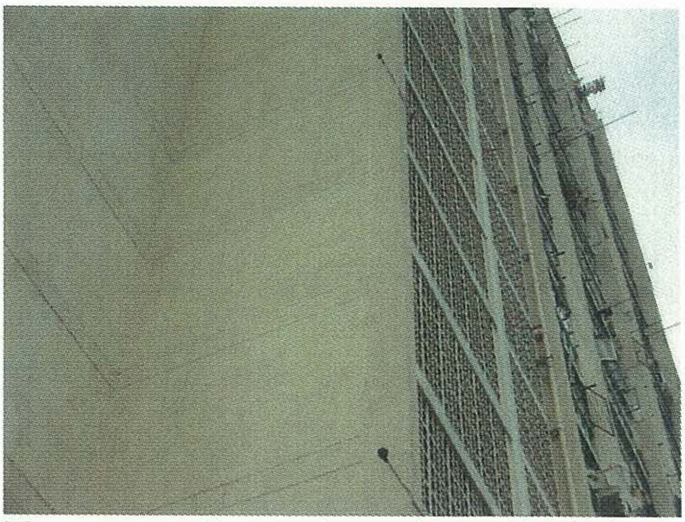
A look at the road behind cantilever barrier

Measurement point at reference site ("after" site)



Measurement points at receiver position

Measurement point at receiver position, low level – 1/F ("after" site)



Measurement point at receiver position, mid & high level – 3/F & 6/F ("after" site)

Kam Tin Road, Kam Tin

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-04
Form No.: 007

<table>
<tr><td>Mitigation Measure</td><td colspan="10">☐ Vertical Barrier ☑ Cantilevered Barrier ☐ Podium w Barrier ☐ Podium w/o Barrier</td></tr>
<tr><td>Description of barrier</td><td colspan="5">Size: 50m (L) x 0.1m (W) x 7.5m (H)</td><td colspan="5">Material: ☐ Concrete ☑ Arcylic
☐ Absorptive Material
☐ Others:</td></tr>
<tr><td>Name of Concerned Road</td><td colspan="10">Kam Tin Road</td></tr>
<tr><td rowspan="3">Location of Monitoring Site</td><td colspan="10">Reference site: See Figure CB04 and Figure 2.1</td></tr>
<tr><td colspan="10">Receiver – Before site (B1/B2/B3): See Figure CB04 and Figure 2.1</td></tr>
<tr><td colspan="10">Receiver – After site(A1/A2/A3): See Figure CB04 and Figure 2.1</td></tr>
<tr><td rowspan="4">Measurement site in "1980 Grid"</td><td colspan="2">Reference (R1):</td><td colspan="3">X: Nil</td><td colspan="5">Y: Nil</td></tr>
<tr><td colspan="2">Reference (R2):</td><td colspan="3">X: Nil</td><td colspan="5">Y: Nil</td></tr>
<tr><td colspan="2">Receiver – Before site</td><td colspan="3">X: Nil</td><td colspan="5">Y: Nil</td></tr>
<tr><td colspan="2">Receiver – After site</td><td colspan="3">X: Nil</td><td colspan="5">Y: Nil</td></tr>
<tr><td>Date of Monitoring</td><td colspan="10">18/3/05</td></tr>
<tr><td>Measurement Start Time (hh:mm)</td><td colspan="10">09:00 to 09:15</td></tr>
<tr><td>Measurement Time Length (min.)</td><td colspan="10">15</td></tr>
<tr><td>Weather Condition</td><td colspan="10">Fine</td></tr>
<tr><td>Wind Speed (ms^{-1}) & Direction</td><td colspan="5">Receiver – Before site: Nil</td><td colspan="5">Receiver – After site: 0.2</td></tr>
<tr><td>Air Temperature (°C)</td><td colspan="5">Receiver – Before site: Nil</td><td colspan="5">Receiver – After site: 17</td></tr>
<tr><td>Relative Humidity (%)</td><td colspan="5">Receiver – Before site: Nil</td><td colspan="5">Receiver – After site: 80</td></tr>
<tr><td>Cloud cover (%)</td><td colspan="2">☐ >80
for 100% measurement time</td><td colspan="3">☐ 50 – 80
for at least 80% measurement time</td><td colspan="4">☑ < 50
for at least 80% measurement time</td><td>☐ 0</td></tr>
<tr><td>Noise Meter Model/Serial no.</td><td colspan="10">NL-31</td></tr>
<tr><td>Calibrator Model/Serial no.</td><td colspan="10">NC-73</td></tr>
<tr><td rowspan="12">Measurement Results
(Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)</td><td rowspan="4"></td><td colspan="2">Reference Site</td><td colspan="6">Receiver Site</td><td colspan="2"></td></tr>
<tr><td>R 1 (B1/B2/B3)</td><td>R 2 (A1/A2/A3)</td><td>B1 (Floor no. /)</td><td>B2 (Floor no. /)</td><td>B3 (Floor no. /)</td><td>A1 (Floor no. /)</td><td>A2 (Floor no. /)</td><td>A3 (Floor no. /)</td><td colspan="2"></td></tr>
<tr><td>(HD: / m)</td><td>(HD: 2 m)</td><td>(HD: / m)</td><td>(HD: / m)</td><td>(HD: / m)</td><td>(HD: 20 m)</td><td>(HD: / m)</td><td>(HD: 20 m)</td><td colspan="2"></td></tr>
<tr><td>(VD: / m)</td><td>(VD: 9 m)</td><td>(VD: / m)</td><td>(VD: / m)</td><td>(VD: / m)</td><td>(VD: 2 m)</td><td>(VD: / m)</td><td>(VD: 4.5 m)</td><td colspan="2"></td></tr>
<tr><td rowspan="2">L_{10} (dB(A))</td><td>Nil</td><td>75.7</td><td>Nil</td><td>Nil</td><td>Nil</td><td>64.1</td><td>Nil</td><td>65.1</td><td colspan="2"></td></tr>
<tr><td></td><td></td><td>Nil</td><td>Nil</td><td>Nil</td><td>64.0</td><td>Nil</td><td>65.4</td><td colspan="2"></td></tr>
<tr><td rowspan="2">L_{90} (dB(A))</td><td>Nil</td><td>62.9</td><td>Nil</td><td>Nil</td><td>Nil</td><td>55.2</td><td>Nil</td><td>56.2</td><td colspan="2"></td></tr>
<tr><td></td><td></td><td>Nil</td><td>Nil</td><td>Nil</td><td>55.0</td><td>Nil</td><td>55.7</td><td colspan="2"></td></tr>
<tr><td rowspan="2">L_{eq} (dB(A))</td><td>Nil</td><td>72.0</td><td>Nil</td><td>Nil</td><td>Nil</td><td>61.4</td><td>Nil</td><td>61.9</td><td colspan="2"></td></tr>
<tr><td></td><td></td><td>Nil</td><td>Nil</td><td>Nil</td><td>61.7</td><td>Nil</td><td>62.1</td><td colspan="2"></td></tr>
<tr><td rowspan="2">L_{max} (dB(A))</td><td>Nil</td><td>84.5</td><td>Nil</td><td>Nil</td><td>Nil</td><td>80.7</td><td>Nil</td><td>76.8</td><td colspan="2"></td></tr>
<tr><td></td><td></td><td>Nil</td><td>Nil</td><td>Nil</td><td>79.2</td><td>Nil</td><td>78.8</td><td colspan="2"></td></tr>
<tr><td>Major Activity During Monitoring</td><td colspan="5">Nil</td><td colspan="5">Start (hh:mm) Nil
End (hh:mm) Nil</td></tr>
<tr><td>Noise Measurement Record No</td><td colspan="5">From: Nil</td><td colspan="5">To: Nil</td></tr>
<tr><td>Photo Record No.</td><td colspan="5">From: Nil</td><td colspan="5">To: Nil</td></tr>
<tr><td>Audio Record No</td><td colspan="5">From: Nil</td><td colspan="5">To: Nil</td></tr>
<tr><td>Video Record No</td><td colspan="5">From: Nil</td><td colspan="5">To: Nil</td></tr>
<tr><td>Special Activities during measurement</td><td colspan="5">Nil</td><td colspan="5">Duration: Nil</td></tr>
<tr><td>Lmax contributed by</td><td colspan="5">Nil</td><td colspan="5">Time: Nil</td></tr>
<tr><td colspan="11">Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb</td></tr>
</table>

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-04
Form No.: 008

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 50m (L) x 0.1m (W) x 7..5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Kam Tin Road			
Location of Monitoring Site	Reference site: See Figure CB04 and Figure 2.1			
	Receiver – Before site (B1/B2/B3): See Figure CB04 and Figure 2.1			
	Receiver – After site(A1/A2/A3): See Figure CB04 and Figure 2.1			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	18/3/05			
Measurement Start Time (hh:mm)	09:15 to 09:30			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 17	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
	(HD: / m)	(HD: 2 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 20 m)	(HD: / m)	(HD: 20 m)
	(VD: / m)	(VD: 9 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 2 m)	(VD: / m)	(VD: 4.5 m)
L_{10} (dB(A))	Nil	75.6	Nil	Nil	Nil	64.9	Nil	65.5
			Nil	Nil	Nil	64.5	Nil	65.8
L_{90} (dB(A))	Nil	64.2	Nil	Nil	Nil	55.0	Nil	55.6
			Nil	Nil	Nil	54.5	Nil	55.2
L_{eq} (dB(A))	Nil	72.3	Nil	Nil	Nil	62.0	Nil	62.4
			Nil	Nil	Nil	61.9	Nil	62.4
L_{max} (dB(A))	Nil	84.2	Nil	Nil	Nil	82.6	Nil	75.0
			Nil	Nil	Nil	81.9	Nil	76.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: N/A			
Measurement Time	**DSU 1**	From:		To:	
	DSU 2	From:		To:	
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure CB04			
Measurement Time	**DSU 1**	From: 09:00		To: 09:15	
	DSU 2	From: 09:15		To: 09:30	
Road Name/ Direction		Kam Tin Road		N / ~~E / S / W~~	Speed 48 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		132	148	80	99
Road Name/ Direction		Kam Tin Road		~~N /~~ E / S / ~~W~~	Speed 48 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		112	108	72	90
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-05
Form No.: 009

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 50m (L) x 0.1m (W) x 7.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others: ________	
Name of Concerned Road	Kam Tin Road			
Location of Monitoring Site	Reference site: See Figure CB04 and Figure 2.1 Receiver – Before site (B1/B2/B3): See Figure CB04 and Figure 2.1 Receiver – After site(A1/A2/A3): See Figure CB04 and Figure 2.1			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	18/3/05			
Measurement Start Time (hh:mm)	16:45 to 17:00			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.3	
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 17	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
	(HD: / m)	(HD: 2 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 20 m)	(HD: / m)	(HD: 20 m)
	(VD: / m)	(VD: 9 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 2 m)	(VD: / m)	(VD: 4.5 m)
L_{10} (dB(A))	Nil	76.3	Nil	Nil	Nil	64.3	Nil	65.5
			Nil	Nil	Nil	64.5	Nil	65.8
L_{90} (dB(A))	Nil	64.2	Nil	Nil	Nil	54.9	Nil	55.9
			Nil	Nil	Nil	55.0	Nil	55.4
L_{eq} (dB(A))	Nil	72.8	Nil	Nil	Nil	61.7	Nil	62.3
			Nil	Nil	Nil	61.7	Nil	62.6
L_{max} (dB(A))	Nil	85.5	Nil	Nil	Nil	79.6	Nil	76.2
			Nil	Nil	Nil	77.8	Nil	78.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: CB-05
Form No.: 010

Mitigation Measure	☐ Vertical Barrier	☑ Cantilevered Barrier	☐ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 50m (L) x 0.1m (W) x 7.5m (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Kam Tin Road			
Location of Monitoring Site	Reference site: See Figure CB04 and Figure 2.1 Receiver – Before site (B1/B2/B3): See Figure CB04 and Figure 2.1 Receiver – After site(A1/A2/A3): See Figure CB04 and Figure 2.1			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	18/3/05			
Measurement Start Time (hh:mm)	17:00 to 17:15			
Measurement Time Length (min.)	15			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil	Receiver – After site: 0.3		
Air Temperature (°C)	Receiver – Before site: Nil	Receiver – After site: 17		
Relative Humidity (%)	Receiver – Before site: Nil	Receiver – After site: 80		
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: / m)	(HD: 2 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 20 m)	(HD: / m)	(HD: 20 m)
		(VD: / m)	(VD: 9 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 2 m)	(VD: / m)	(VD: 4.5 m)
	L_{10} (dB(A))	Nil	75.2	Nil	Nil	Nil	63.6	Nil	64.7
				Nil	Nil	Nil	64.1	Nil	64.6
	L_{90} (dB(A))	Nil	62.4	Nil	Nil	Nil	53.5	Nil	54.3
				Nil	Nil	Nil	53.8	Nil	53.9
	L_{eq} (dB(A))	Nil	71.6	Nil	Nil	Nil	60.5	Nil	61.4
				Nil	Nil	Nil	60.7	Nil	61.5
	L_{max} (dB(A))	Nil	81.8	Nil	Nil	Nil	72.9	Nil	74.3
				Nil	Nil	Nil	75.1	Nil	76.0

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	18-3-05
Checked By :	M Fan	Fan	18-3-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: N/A			
Measurement Time	**DSU 1**	From:		To:	
	DSU 2	From:		To:	
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		144		113	
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure CB04			
Measurement Time	**DSU 1**	From: 17:00		To: 17:15	
	DSU 2	From: 17:15		To: 17:30	
Road Name/ Direction		Kam Tin Road		N / ~~E / S / W~~	Speed 45 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 1**	**DSU 2**	**DSU 2**
		132	92	108	108
Road Name/ Direction		Kam Tin Road		~~N / E~~ / S / ~~W~~	Speed 45 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		96	110	104	116
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure CB04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Kam Tin Road
Mitigation Measure: Noise Barrier/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 50 m (L); 7.5 m (H); 0.1 m (W)

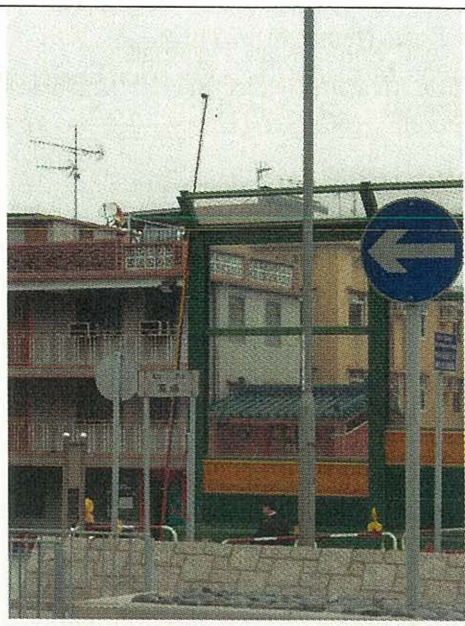
(See Figure CB04 and Figure 2.1)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: CB-04 & CB-05 ; Form No.: 007 to 010)

Genral view of the subject road and cantilever barrier



Measurement point at reference site ("after" site)

Measurement point at reference site ("after" site)

Measurement points at receiver position ("after" site)

Measurement point at receiver position ("after" site)

Measurement point at receiver position ("after" site)

Castle Peak Road - Siu Lam to So Kwun Wat

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-01
Form No.: 001

Mitigation Measure	☐ Full Enclosure		☑ Partial Enclosure	
Description of barrier	Size: 160m (L) x 0.2m (W) x 6.5m (H)			
Name of Concerned Road	Castle Peak Road - Siu Lam to So Kwun Wat			
Location of Monitoring Site	Reference site: See Figure EN01			
	Receiver – Before site (B1/B2/B3): See Figure EN01 and Figure 2.5			
	Receiver – After site(A1/A2/A3): See Figure EN01 and Figure 2.5			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	22/2/05			
Measurement Start Time (hh:mm)	09:00 to 09:15			
Measurement Time Length (min.)	15			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.3		Receiver – After site: 0.3	
Air Temperature (°C)	Receiver – Before site: 12		Receiver – After site: 12	
Relative Humidity (%)	Receiver – Before site: 85		Receiver – After site: 85	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)
		(VD: 8 m)	(VD: 8 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)
	L_{10} (dB(A))	76.6	75.2	75	Nil	75	59.6	Nil	63.3
				76.3	Nil	75.6	61	Nil	62.6
	L_{90} (dB(A))	58.2	59.9	55.8	Nil	55.8	47.9	Nil	50.7
				57.8	Nil	56	50.7	Nil	48.8
	L_{eq} (dB(A))	73.8	71.6	71.2	Nil	72.4	56.1	Nil	60.2
				72.3	Nil	73.1	57.9	Nil	60
	L_{max} (dB(A))	92.1	87.7	86.2	Nil	88.4	72.2	Nil	78.1
				88.3	Nil	90.6	75.8	Nil	78.5

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	22-2-05
Checked By	:	M Fan	Fan	22-2-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-01
Form No.: 002

Mitigation Measure	☐ Full Enclosure		☑ Partial Enclosure	
Description of barrier	Size: 160m (L) x 0.2m (W) x 6.5m (H)			
Name of Concerned Road	Castle Peak Road - Siu Lam to So Kwun Wat			
Location of Monitoring Site	Reference site: See Figure EN01			
	Receiver – Before site (B1/B2/B3): See Figure EN01 and Figure 2.5			
	Receiver – After site(A1/A2/A3): See Figure EN01 and Figure 2.5			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	22/2/05			
Measurement Start Time (hh:mm)	09:15 to 09:30			
Measurement Time Length (min.)	15			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.3		Receiver – After site: 0.3	
Air Temperature (°C)	Receiver – Before site: 12		Receiver – After site: 12	
Relative Humidity (%)	Receiver – Before site: 85		Receiver – After site: 85	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)
		(VD: 8 m)	(VD: 8 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)
	L_{10} (dB(A))	76.1	74.5	75.4	Nil	74.7	60	Nil	62.7
				76.7	Nil	75.4	61.1	Nil	61.3
	L_{90} (dB(A))	55.9	59.1	54.9	Nil	53.9	47.3	Nil	50.6
				55.6	Nil	53.9	49.3	Nil	49.1
	L_{eq} (dB(A))	72.8	71.5	71.1	Nil	70.9	56.3	Nil	59.6
				72.3	Nil	71.2	57.8	Nil	57.3
	L_{max} (dB(A))	93.8	87.4	85.2	Nil	88.7	69.8	Nil	76.8
				85.3	Nil	89.7	74.4	Nil	70.9

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	22-2-05
Checked By :	M Fan	Fan	22-2-05

Proposed Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Enclosure)

Monitoring Location	See Figure EN01		
Measurement Time	From: 09:00	To: 09:15	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	N / ~~E / S / W~~	Speed 55 km/hr
Traffic Flow (veh)	(Light) 52	(Heavy) 46	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	~~N / E~~ / S / ~~W~~	Speed 54 km/hr
Traffic Flow (veh)	(Light) 39	(Heavy) 51	
Measurement Time	From: 09:15	To: 09:30	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	N / ~~E / S / W~~	Speed 51 km/hr
Traffic Flow (veh)	(Light) 56	(Heavy) 50	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	~~N / E~~ / S / ~~W~~	Speed 56 km/hr
Traffic Flow (veh)	(Light) 41	(Heavy) 39	
Road Name/ Direction		N / E / S / W	Speed
Traffic Flow (veh)	(Light)	(Heavy)	

Measurement Location Map

(See Figure EN01)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-02
Form No.: 003

Mitigation Measure	☐ Full Enclosure		☑ Partial Enclosure	
Description of barrier	Size: 160m (L) x 0.2m (W) x 6.5m (H)			
Name of Concerned Road	Castle Peak Road - Siu Lam to So Kwun Wat			
Location of Monitoring Site	Reference site: See Figure EN01			
	Receiver – Before site (B1/B2/B3): See Figure EN01 and Figure 2.5			
	Receiver – After site(A1/A2/A3): See Figure EN01 and Figure 2.5			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	22/2/05			
Measurement Start Time (hh:mm)	16:45 to 17:00			
Measurement Time Length (min.)	15			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 12		Receiver – After site: 12	
Relative Humidity (%)	Receiver – Before site: 80		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)
		(VD: 8 m)	(VD: 8 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)
	L_{10} (dB(A))	74.9	74.5	73.6	Nil	71.9	59.8	Nil	60.3
				74.2	Nil	72.4	60.8	Nil	60.9
	L_{90} (dB(A))	55.6	59.1	57	Nil	52.4	47.5	Nil	48.2
				57.5	Nil	52.2	49.4	Nil	50.3
	L_{eq} (dB(A))	71.3	71.1	70.6	Nil	68.7	55.5	Nil	56.6
				70.8	Nil	68.6	57	Nil	57.7
	L_{max} (dB(A))	91.6	88.2	87.3	Nil	86.7	67.7	Nil	69.3
				88.2	Nil	86.9	68.8	Nil	71

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	22-2-05
Checked By :	M Fan	Fan	22-2-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-02
Form No.: 004

Mitigation Measure	☐ Full Enclosure		☑ Partial Enclosure
Description of barrier	Size: 160m (L) x 0.2m (W) x 6.5m (H)		
Name of Concerned Road	Castle Peak Road - Siu Lam to So Kwun Wat		
Location of Monitoring Site	Reference site: See Figure EN01		
	Receiver – Before site (B1/B2/B3): See Figure EN01 and Figure 2.5		
	Receiver – After site(A1/A2/A3): See Figure EN01 and Figure 2.5		
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil
	Reference (R2):	X: Nil	Y: Nil
	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	22/2/05		
Measurement Start Time (hh:mm)	17:00 to 17:15		
Measurement Time Length (min.)	15		
Weather Condition	Cloudy		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2
Air Temperature (ºC)	Receiver – Before site: 12		Receiver – After site: 12
Relative Humidity (%)	Receiver – Before site: 80		Receiver – After site: 80
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time; ☐ 0
Noise Meter Model/Serial no.	NL-31		
Calibrator Model/Serial no.	NC-73		

Measurement Results (Notes: Two measurement results for receiver sites represent measured noise levels at Receiver site 1 and Receiver site 2, where they are two locations distant apart in front of the same building façade, as shown in the figures in Appendix C)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. /)	A2 (Floor no. /)	A3 (Floor no. /)
		(HD: 1 m)	(HD: 1 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)	(HD: 5 m)	(HD: / m)	(HD: 5 m)
		(VD: 8 m)	(VD: 8 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)	(VD: 1.2 m)	(VD: / m)	(VD: 5 m)
	L_{10} (dB(A))	75.7	74.1	74.7	Nil	72.5	59.9	Nil	59.2
				75.3	Nil	72.9	60.8	Nil	60.8
	L_{90} (dB(A))	55.2	59.1	57.5	Nil	52.3	49.3	Nil	48.1
				57.3	Nil	51.2	50	Nil	50.3
	L_{eq} (dB(A))	71.9	70.9	71.2	Nil	70.3	56.5	Nil	56.3
				71.4	Nil	69.7	57.5	Nil	57.7
	L_{max} (dB(A))	91.4	89.8	88	Nil	88.3	66	Nil	77
				88.5	Nil	88.3	68.5	Nil	74.7

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	22-2-05
Checked By :	M Fan	Fan	22-2-05

Proposed Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Enclosure)

Monitoring Location	See Figure EN01		
Measurement Time	From: 16:45	To: 17:00	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	N / ~~E / S / W~~	Speed 54 km/hr
Traffic Flow (veh)	(Light) 41	(Heavy) 41	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	~~N / E~~ / S / W	Speed 52 km/hr
Traffic Flow (veh)	(Light) 36	(Heavy) 44	
Measurement Time	From: 17:00	To: 17:15	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	N / ~~E / S / W~~	Speed 49 km/hr
Traffic Flow (veh)	(Light) 34	(Heavy) 38	
Road Name/ Direction	Castle Peak Road – Siu Lam to So Kwan Wat	~~N / E~~ / S / W	Speed 51 km/hr
Traffic Flow (veh)	(Light) 37	(Heavy) 48	
Road Name/ Direction		N / E / S / W	Speed
Traffic Flow (veh)	(Light)	(Heavy)	

Measurement Location Map

(See Figure EN01)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Layout Plan

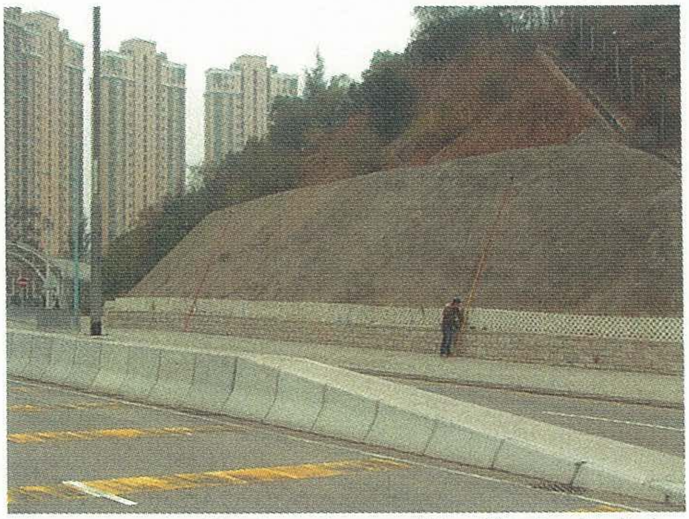
Major Road Name: Castle Peak Road – Siu Lam to So Kwun Wat
Mitigation Measure: ~~Noise Barrier~~/Enclosure/~~Architectural Fin/Balcony~~ (delete inappropriate)
Description: 160 m (L); 6.5 m (H); 0.2 m (W)

(See Figure EN01 and Figure 2.5)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Photos (Ref. No.: E-01 & E-02 ; Form No.: 001 to 004)

 Genral view of the subject road	 General view of the enclosure
 Measurement point at reference site ("after" site)	 Measurement point at reference site ("before" site)
 Measurement point at receiver position ("after" site)	 Measurement point at receiver position ("before" site)

Po Shun Road, Tseung Kwan O

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-03
Form No.: 005

Mitigation Measure	☑ Full Enclosure		☐ Partial Enclosure
Description of barrier	Size: 120m (L) x 0.2m (W) x 11m (H)		
Name of Concerned Road	Po Shun Road, Tseung Kwan O		
Location of Monitoring Site	Reference site: See Figure EN02		
	Receiver – Before site (B1/B2/B3): See Figure EN02 and Figure 2.2		
	Receiver – After site(A1/A2/A3): See Figure EN02 and Figure 2.2		
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil
	Reference (R2):	X: Nil	Y: Nil
	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	4/1/05		
Measurement Start Time (hh:mm)	10:35 to 11:05		
Measurement Time Length (min.)	30		
Weather Condition	Cloudy		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.8
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 18
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 70
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time; ☐ 0
Noise Meter Model/Serial no.	NL-31		
Calibrator Model/Serial no.	NC-73		

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 6)	A2 (Floor no. 10)	A3 (Floor no. 15)
		(HD: / m)	(HD: 3 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 25 m)	(HD: 25 m)	(HD: 25 m)
		(VD: / m)	(VD: 12.5 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 20 m)	(VD: 30 m)	(VD: 45 m)
	L_{10} (dB(A))	Nil	73.9	Nil	Nil	Nil	66.4	66.1	66.7
		Nil	73.8	Nil	Nil	Nil	64.0	65.8	66.1
	L_{90} (dB(A))	Nil	67.3	Nil	Nil	Nil	59.6	62.7	63.0
		Nil	66.7	Nil	Nil	Nil	60.2	62.6	61.7
	L_{eq} (dB(A))	Nil	71.4	Nil	Nil	Nil	63.4	64.6	65.1
		Nil	71.0	Nil	Nil	Nil	63.2	64.9	64.9
	L_{max} (dB(A))	Nil	85.9	Nil	Nil	Nil	78.4	76.8	77.5
		Nil	86.2	Nil	Nil	Nil	78.6	76.6	78.2

Major Activity During Monitoring	Construction works inside the enclosure e.g. installation of road signs (not a noise generating activity). Not all traffic lanes were opened.	Start (hh:mm) 10:00 End (hh:mm) 11:30
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	4-1-05
Checked By :	M Fan	Fan	4-1-05

Proposed Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Enclosure)

Monitoring Location	See Figure EN02		
Measurement Time	From: 10:35	To: 10:50	
Road Name/ Direction	Po Shun Road (Enclosure)	N / ~~E / S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light) 53	(Heavy) 61	
Road Name/ Direction	Po Shun Road (Enclosure)	~~N / E~~ / S / ~~W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light) 107	(Heavy) 68	
Road Name/ Direction	Po Shun Road	N / ~~E / S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light) 97	(Heavy) 102	
Road Name/ Direction	Po Ning Road	N / ~~E / S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 118	(Heavy) 146	
Measurement Time	From: 10:50	To: 11:05	
Road Name/ Direction	Po Shun Road (Enclosure)	N / ~~E / S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light) 58	(Heavy) 55	
Road Name/ Direction	Po Shun Road (Enclosure)	~~N / E~~ / S / ~~W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light) 96	(Heavy) 47	
Road Name/ Direction	Po Shun Road	N / ~~E / S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light) 93	(Heavy) 126	
Road Name/ Direction	Po Ning Road	N / ~~E / S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 131	(Heavy) 155	

Measurement Location Map

(See Figure EN02)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-03
Form No.: 006

Mitigation Measure	☑ Full Enclosure				☐ Partial Enclosure			
Description of barrier	Size: 120m (L) x 0.2m (W) x 11m (H)							
Name of Concerned Road	Po Shun Road, Tseung Kwan O							
Location of Monitoring Site	Reference site: See Figure EN02							
	Receiver – Before site (B1/B2/B3): See Figure EN02 and Figure 2.2							
	Receiver – After site(A1/A2/A3): See Figure EN02 and Figure 2.2							
Measurement site in "1980 Grid"	Reference (R1):	X: Nil			Y: Nil			
	Reference (R2):	X: Nil			Y: Nil			
	Receiver – Before site	X: Nil			Y: Nil			
	Receiver – After site	X: Nil			Y: Nil			
Date of Monitoring	4/1/05							
Measurement Start Time (hh:mm)	17:40 to 18:10							
Measurement Time Length (min.)	30							
Weather Condition	Cloudy							
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil				Receiver – After site: 0.5			
Air Temperature (°C)	Receiver – Before site: Nil				Receiver – After site: 18			
Relative Humidity (%)	Receiver – Before site: Nil				Receiver – After site: 70			
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time			☑ < 50 for at least 80% measurement time			☐ 0
Noise Meter Model/Serial no.	NL-31							
Calibrator Model/Serial no.	NC-73							

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 6)	A2 (Floor no. 10)	A3 (Floor no. 15)
		(HD: / m)	(HD: 3 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 25 m)	(HD: 25 m)	(HD: 25 m)
		(VD: / m)	(VD: 12.5 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 20 m)	(VD: 30 m)	(VD: 45 m)
	L_{10} (dB(A))	Nil	74.1	Nil	Nil	Nil	63.7	65.3	65.8
		Nil	73.9	Nil	Nil	Nil	63.5	65.8	66.0
	L_{90} (dB(A))	Nil	68.1	Nil	Nil	Nil	58.0	60.6	61.7
		Nil	68.0	Nil	Nil	Nil	58.3	60.9	61.4
	L_{eq} (dB(A))	Nil	71.7	Nil	Nil	Nil	62.8	64.1	63.9
		Nil	71.5	Nil	Nil	Nil	62.4	64.6	63.9
	L_{max} (dB(A))	Nil	83.1	Nil	Nil	Nil	80.9	76.2	74.5
		Nil	84.0	Nil	Nil	Nil	70.9	76.5	75.0

Major Activity During Monitoring	No major noise generating construction works inside the enclosure. Not all traffic lanes were opened.	Start (hh:mm) 17:00 End (hh:mm) 18:30
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	4-1-05
Checked By :	M Fan	Fan	4-1-05

Proposed Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Enclosure)

Monitoring Location	See Figure EN02		
Measurement Time	From: 17:40	To: 17:55	
Road Name/ Direction	Po Shun Road (Enclosure)	N / ~~E / S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 134	(Heavy) 75	
Road Name/ Direction	Po Shun Road (Enclosure)	~~N / E~~ / S / ~~W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 129	(Heavy) 81	
Road Name/ Direction	Po Shun Road	N / ~~E / S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 130	(Heavy) 114	
Road Name/ Direction	Po Ning Road	~~N / E~~ / S / ~~W~~	Speed 46 km/hr
Traffic Flow (veh)	(Light) 166	(Heavy) 146	
Measurement Time	From: 17:40	To: 17:55	
Road Name/ Direction	Po Shun Road (Enclosure)	N / ~~E / S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 131	(Heavy) 57	
Road Name/ Direction	Po Shun Road (Enclosure)	~~N / E~~ / S / ~~W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 126	(Heavy) 58	
Road Name/ Direction	Po Shun Road	N / ~~E / S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light) 210	(Heavy) 140	
Road Name/ Direction	Po Ning Road	~~N / E~~ / S / ~~W~~	Speed 46 km/hr
Traffic Flow (veh)	(Light) 180	(Heavy) 130	

Measurement Location Map

(See Figure EN02)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Layout Plan

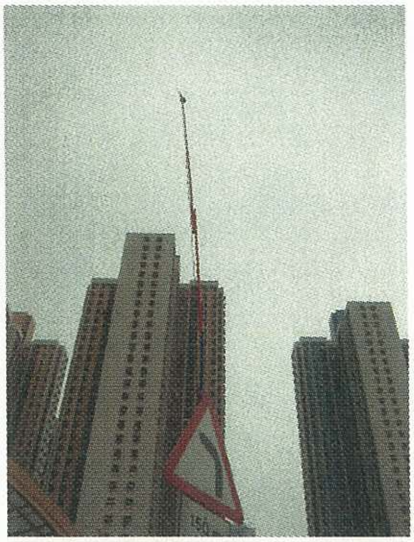
Major Road Name: Po Shun Road
Mitigation Measure: ~~Noise Barrier~~/Enclosure/~~Architectural Fin/Balcony~~ (delete inappropriate)
Description: 120 m (L); 11 m (H); 0.2 m (W)

(See Figure EN02 and Figure 2.2)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

<u>**Photos**</u> (Ref. No.: <u>E-03</u> ; Form No.: <u>005 to 006</u>)

 Genral view of the subject road	 General view of the enclosure
 Measurement point at reference site ("after" site)	 Measurement point at receiver position, low level – 6/F ("after" site)
 Measurement point at receiver position, mid level – 7/F ("after" site)	 Measurement point at receiver position, high level – 12/F ("after" site)

Wong Chu Road, Tuen Mun

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-03
Form No.: 005

Mitigation Measure	☑ Full Enclosure		☐ Partial Enclosure	
Description of barrier	Size: 245m (L) x 0.2m (W) x 12m (H)			
Name of Concerned Road	Wong Chu Road			
Location of Monitoring Site	Reference site: See Figure EN02			
	Receiver – Before site (B1/B2/B3): See Figure EN02 and Figure 2.2			
	Receiver – After site(A1/A2/A3): See Figure EN02 and Figure 2.2			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	2/6/05			
Measurement Start Time (hh:mm)	09:00 to 09:15			
Measurement Time Length (min.)	15			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 26	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 75	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 3)	A2 (Floor no. 9)	A3 (Floor no. 15)
		(HD: / m)	(HD: 1 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 30 m)	(HD: 30 m)	(HD: 30 m)
		(VD: / m)	(VD: 12 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 10 m)	(VD: 27 m)	(VD: 45 m)
	L_{10} (dB(A))	Nil	81.6	Nil	Nil	Nil	66.0	69.5	70.8
		Nil	81.3	Nil	Nil	Nil	65.6	69.3	70.6
	L_{90} (dB(A))	Nil	74.9	Nil	Nil	Nil	62.4	65.6	66.7
		Nil	74.6	Nil	Nil	Nil	61.8	65.2	66.5
	L_{eq} (dB(A))	Nil	79.1	Nil	Nil	Nil	64.4	67.9	69.2
		Nil	78.9	Nil	Nil	Nil	64.0	67.7	68.9
	L_{max} (dB(A))	Nil	88.4	Nil	Nil	Nil	70.9	76.3	80.0
		Nil	86.8	Nil	Nil	Nil	71.9	78.3	77.9

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	2-6-05
Checked By	:	M Fan	Fan	2-6-05

Proposed Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Enclosure)

Monitoring Location	See Figure EN01		
Measurement Time	From: 09:00	To: 09:15	
Road Name/ Direction	Wong Chu Road (near side)	N / E / ~~S / W~~	Speed km/hr
Traffic Flow (veh)	(Light) 102	(Heavy) 340	
Road Name/ Direction	Wong Chu Road (far side, w/o slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 36	(Heavy) 202	
Road Name/ Direction	Wong Chu Road (with slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 20	(Heavy) 45	
Road Name/ Direction	Hoi Wing Road		Speed km/hr
Traffic Flow (veh)	(Light) 50	(Heavy) 68	
Measurement Time	From: 09:15	To: 09:30	
Road Name/ Direction	Wong Chu Road (near side)	N / E / ~~S / W~~	Speed km/hr
Traffic Flow (veh)	(Light) 156	(Heavy) 344	
Road Name/ Direction	Wong Chu Road (far side, w/o slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 56	(Heavy) 194	
Road Name/ Direction	Wong Chu Road (with slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 26	(Heavy) 65	
Road Name/ Direction	Hoi Wing Road		Speed km/hr
Traffic Flow (veh)	(Light) 87	(Heavy) 62	

Measurement Location Map

(See Figure EN02)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Ref. No.: E-03
Form No.: 005

Mitigation Measure	☑ Full Enclosure		☐ Partial Enclosure
Description of barrier	Size: 245m (L) x 0.2m (W) x 12m (H)		
Name of Concerned Road	Wong Chu Road		
Location of Monitoring Site	Reference site: See Figure EN02		
	Receiver – Before site (B1/B2/B3): See Figure EN02 and Figure 2.2		
	Receiver – After site(A1/A2/A3): See Figure EN02 and Figure 2.2		
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil
	Reference (R2):	X: Nil	Y: Nil
	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	2/6/05		
Measurement Start Time (hh:mm)	16:45 to 17:00		
Measurement Time Length (min.)	15		
Weather Condition	Cloudy		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.3
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 27
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 77
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time ☐ 0
Noise Meter Model/Serial no.	NL-31		
Calibrator Model/Serial no.	NC-73		

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 3)	A2 (Floor no. 9)	A3 (Floor no. 15)
	(HD: / m)	(HD: 1 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 30 m)	(HD: 30 m)	(HD: 30 m)
	(VD: / m)	(VD: 12 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 10 m)	(VD: 27 m)	(VD: 45 m)
L_{10} (dB(A))	Nil	81.3	Nil	Nil	Nil	65.5	69.6	70.9
	Nil	80.9	Nil	Nil	Nil	65.1	69.2	70.7
L_{90} (dB(A))	Nil	74.6	Nil	Nil	Nil	61.7	65.4	66.5
	Nil	73.6	Nil	Nil	Nil	61.8	65.1	66.4
L_{eq} (dB(A))	Nil	78.9	Nil	Nil	Nil	63.9	67.9	69.1
	Nil	78.5	Nil	Nil	Nil	63.8	67.6	69.0
L_{max} (dB(A))	Nil	90.3	Nil	Nil	Nil	73.2	79.3	79.4
	Nil	90.8	Nil	Nil	Nil	76.6	76.0	76.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	2-6-05
Checked By :	M Fan	Fan	2-6-05

Proposed Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Enclosure)

Monitoring Location	See Figure EN01		
Measurement Time	From: 16:50	To: 17:05	
Road Name/ Direction	Wong Chu Road (near side)	~~N~~ / E / ~~S / W~~	Speed km/hr
Traffic Flow (veh)	(Light) 126	(Heavy) 297	
Road Name/ Direction	Wong Chu Road (far side, w/o slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 56	(Heavy) 200	
Road Name/ Direction	Wong Chu Road (with slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 34	(Heavy) 74	
Road Name/ Direction	Hoi Wing Road		Speed km/hr
Traffic Flow (veh)	(Light) 59	(Heavy) 90	
Measurement Time	From: 17:05	To: 17:20	
Road Name/ Direction	Wong Chu Road (near side)	~~N~~ / E / ~~S / W~~	Speed km/hr
Traffic Flow (veh)	(Light) 110	(Heavy) 270	
Road Name/ Direction	Wong Chu Road (far side, w/o slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 54	(Heavy) 199	
Road Name/ Direction	Wong Chu Road (with slip road)	~~N / E / S~~ / W	Speed km/hr
Traffic Flow (veh)	(Light) 30	(Heavy) 64	
Road Name/ Direction	Hoi Wing Road		Speed km/hr
Traffic Flow (veh)	(Light) 50	(Heavy) 80	

Measurement Location Map

(See Figure EN02)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

Layout Plan

Major Road Name: Wong Chu Road
Mitigation Measure: ~~Noise Barrier~~/Enclosure/~~Architectural Fin/Balcony~~ (delete inappropriate)
Description: 245 m (L); 12 m (H); 0.2 m (W)

(See Figure EN02 and Figure 2.2)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Enclosure)

<u>Photos</u> (Ref. No.: <u>E-03</u> ; Form No.: <u>005 to 006</u>)


General view of the subject road


General view of the subject road


General view of the enclosure


Measurement point at reference site ("after" site)


Measurement point at receiver position ("after" site)


Measurement point at receiver position ("after" site)

Hiu Kwong Street, Sau Mau Ping

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-01
Form No.: 001

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☑ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 30 (L) x 0.1 (W) x 2.5 (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Hiu Kwong Street			
Location of Monitoring Site	Reference site: See Figure PB01 and Figure 2.6 Receiver – Before site (B1/B2/B3): See Figure 2.6 Receiver – After site(A1/A2/A3): See Figure 2.6			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	17/2/05			
Measurement Start Time (hh:mm)	09:00 to 09:30			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 19		Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: 85		Receiver – After site: 85	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 6)	B2 (Floor no. 9)	B3 (Floor no. 12)	A1 (Floor no. 3)	A2 (Floor no. 6)	A3 (Floor no. 9)
		(HD: 5 m)	(HD: 5 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)
		(VD: 7 m)	(VD: 7 m)	(VD: 19 m)	(VD: 27 m)	(VD: 35 m)	(VD: 11 m)	(VD: 19 m)	(VD: 27 m)
	L_{10} (dB(A))	72.6	72.6	69.7	68.2	67.9	63.4	65.9	65.3
		72.7	72.1	69.2	69.3	68.3	63.6	65.4	66.1
	L_{90} (dB(A))	60.8	56.5	60.2	58.7	59.2	58.9	59.1	58.2
		58.9	55.2	59.4	58.7	59.7	58	58.1	58.4
	L_{eq} (dB(A))	70.1	69.6	67.3	66	65.5	62.4	62.8	62.4
		69.3	68.7	66.9	65.9	66.1	61.5	62.7	63
	L_{max} (dB(A))	85.9	79.7	80.1	80.7	80.8	75	76.3	70.1
		83.4	75.4	78.7	78.6	76.2	70.9	72.8	71.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	17-2-05
Checked By	:	M Fan	Fan	17-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure PB01			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Hiu Kwong Street		~~N~~ / E / ~~S / W~~	Speed 44 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	36	38	39	42
Road Name/ Direction	Hiu Kwong Street		~~N / E / S~~ / W	Speed 46 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	62	40	40	38
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure PB01			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Hiu Kwong Street		~~N~~ / E / ~~S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	36	38	39	42
Road Name/ Direction	Hiu Kwong Street		~~N / E / S~~ / W	Speed 45 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	62	40	40	38
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure PB01

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-01
Form No.: 002

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☑ Podium w Barrier	☐ Podium w/o Barrier
Description of barrier	Size: 30 (L) x 0.1 (W) x 2.5 (H)		Material: ☐ Concrete ☑ Arcylic ☐ Absorptive Material ☐ Others:	
Name of Concerned Road	Hiu Kwong Street			
Location of Monitoring Site	Reference site: See Figure PB01 and Figure 2.6			
	Receiver – Before site (B1/B2/B3): See Figure 2.6			
	Receiver – After site(A1/A2/A3): See Figure 2.6			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	17/2/05			
Measurement Start Time (hh:mm)	16:10 to 16:40			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2	Receiver – After site: 0.2		
Air Temperature (°C)	Receiver – Before site: 18	Receiver – After site: 18		
Relative Humidity (%)	Receiver – Before site: 80	Receiver – After site: 80		
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 6)	B2 (Floor no. 9)	B3 (Floor no. 12)	A1 (Floor no. 3)	A2 (Floor no. 6)	A3 (Floor no. 9)
		(HD: 5 m)	(HD: 5 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)
		(VD: 7 m)	(VD: 7 m)	(VD: 19 m)	(VD: 27 m)	(VD: 35 m)	(VD: 11 m)	(VD: 19 m)	(VD: 27 m)
	L_{10} (dB(A))	72.3	72.4	69.4	69.1	68.7	64.3	65.3	67
		72.4	72.5	69.8	69.1	68	64.4	65.9	65.1
	L_{90} (dB(A))	58.9	55.5	58.9	59	59.9	58.8	58.2	58
		60.3	55.9	59.9	58.1	59.4	59.2	58.9	58.3
	L_{eq} (dB(A))	68.7	68.7	66.5	65.8	66.3	62.3	62.6	63.5
		69.5	68.9	66.8	66.3	65.7	62.6	63.1	62.9
	L_{max} (dB(A))	82.7	76.5	79.4	79.1	79.2	71.6	74.4	71.8
		84.6	74.5	79.5	79.4	78.6	72.4	75.1	71.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-2-05
Checked By :	M Fan	Fan	17-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: See Figure PB01		
Measurement Time	**DSU 1**	From: 16:10	To: 16:25	
	DSU 2	From: 16:25	To: 16:40	
Road Name/ Direction		Hiu Kwong Street	~~N~~ / E / ~~S / W~~	Speed 46 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	36	36	40	37
Road Name/ Direction		Hiu Kwong Street	~~N / E / S~~ / W	Speed 45 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	53	47	42	40
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure PB01		
Measurement Time	**DSU 1**	From: 16:10	To: 16:25	
	DSU 2	From: 16:25	To: 16:40	
Road Name/ Direction		Hiu Kwong Street	~~N~~ / E / ~~S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 1**	**DSU 2**	**DSU 2**
	36	36	40	37
Road Name/ Direction		Hiu Kwong Street	~~N / E / S~~ / W	Speed 45 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	53	47	42	40
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure PB01

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

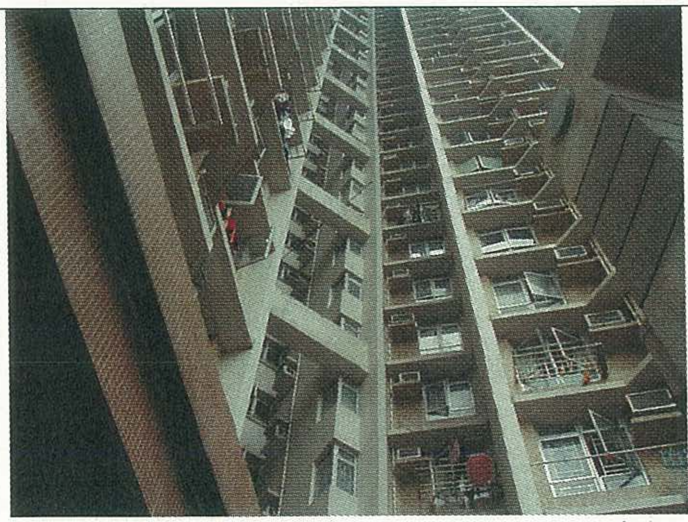
Major Road Name: Hiu Kwong Street
Mitigation Measure: Noise Barrier (Podium)/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: 30 m (L); 2.5 m (H); 0.1 m (W)

(See Figure PB01)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: PB-01 ; Form No.: 001 to 002)

 Genral view of the subject road	 General view of the podium barrier at "after" site
 Measurement point at reference site ("after" site)	 Measurement point at reference site ("before" site)
 Measurement point at receiver position ("after" site)	 Measurement point at receiver position ("before" site)

Tong Ming Street, Tseung Kwan O

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-02
Form No.: 003

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☑ Podium w/o Barrier
Description of barrier	Size: / (L) x / (W) x / (H)		Material: ☐ Concrete ☐ Arcylic ☐ Absorptive Material ☐ Others: N/A	
Name of Concerned Road	Tong Ming Street			
Location of Monitoring Site	Reference site: See Figure PB02 and Figure 2.3			
	Receiver – Before site (B1/B2/B3): See Figure 2.3			
	Receiver – After site(A1/A2/A3): See Figure 2.3			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	4/2/05			
Measurement Start Time (hh:mm)	09:15 to 09:45			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 85	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)

	Reference Site		Receiver Site					
	R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 2)	A2 (Floor no. 7)	A3 (Floor no. 12)
	(HD: / m)	(HD: 5 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)
	(VD: / m)	(VD: 3 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 12.5 m)	(VD: 26.5 m)	(VD: 40.5 m)
L_{10} (dB(A))	Nil	70.3	Nil	Nil	Nil	63.2	63.2	64
	Nil	68.1	Nil	Nil	Nil	61.6	61.8	61.4
L_{90} (dB(A))	Nil	60.2	Nil	Nil	Nil	55.5	55.8	56.8
	Nil	60.1	Nil	Nil	Nil	55	55.1	55.9
L_{eq} (dB(A))	Nil	67.2	Nil	Nil	Nil	60.2	60.3	61.3
	Nil	65.3	Nil	Nil	Nil	58.9	59.1	59.8
L_{max} (dB(A))	Nil	78.1	Nil	Nil	Nil	74.1	72.5	73.1
	Nil	75.8	Nil	Nil	Nil	74	72.6	72

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	4-2-05
Checked By :	M Fan	Fan	4-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		**(Before Site)**: N/A			
Measurement Time	**DSU 1**	From:		To:	
	DSU 2	From:		To:	
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)				(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location		**(After Site)**: See Figure PB02			
Measurement Time	**DSU 1**	From: 09:15		To: 09:30	
	DSU 2	From: 09:30		To: 09:45	
Road Name/ Direction		Tong Ming Street		~~N~~ / E / ~~S / W~~	Speed 48 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		18	22	22	27
Road Name/ Direction		Tong Ming Street		~~N / E / S~~ / W	Speed 51 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		22	27	12	34
Road Name/ Direction		Tong Chung Road		N / E / S / W	Speed 45 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		19	28	14	14
Road Name/ Direction		Po Hong Road		N ~~/ E / S / W~~	Speed 48 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		49	30	39	48
Road Name/ Direction		Po Hong Road		~~N / E~~ / S / ~~W~~	Speed 48 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		44	62	52	62

Measurement Location Map

See Figure PB02

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-02
Form No.: 004

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☑ Podium w/o Barrier
Description of barrier	Size: / (L) x / (W) x / (H)		Material: ☐ Concrete ☐ Arcylic ☐ Absorptive Material ☐ Others: N/A	
Name of Concerned Road	Tong Ming Street			
Location of Monitoring Site	Reference site: See Figure PB02 and Figure 2.3			
	Receiver – Before site (B1/B2/B3): See Figure 2.3			
	Receiver – After site(A1/A2/A3): See Figure 2.3			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	4/2/05			
Measurement Start Time (hh:mm)	16:40 to 17:10			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 95	
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 2)	A2 (Floor no. 7)	A3 (Floor no. 12)
		(HD: / m)	(HD: 5 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)
		(VD: / m)	(VD: 3 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 12.5 m)	(VD: 26.5 m)	(VD: 40.5 m)
	L_{10} (dB(A))	Nil	69	Nil	Nil	Nil	60.9	62.3	63.2
		Nil	68.3	Nil	Nil	Nil	60.4	61.3	62.6
	L_{90} (dB(A))	Nil	60.5	Nil	Nil	Nil	55.4	55.7	56.4
		Nil	60.3	Nil	Nil	Nil	55.2	55.8	56.5
	L_{eq} (dB(A))	Nil	66	Nil	Nil	Nil	58.6	59.7	60.6
		Nil	65.1	Nil	Nil	Nil	58	58.7	59.9
	L_{max} (dB(A))	Nil	77.9	Nil	Nil	Nil	71.7	74	75.6
		Nil	76.5	Nil	Nil	Nil	70.1	70.5	76.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	4-2-05
Checked By :	M Fan	Fan	4-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: N/A			
Measurement Time **DSU 1**	From:		To:	
DSU 2	From:		To:	
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure PB02			
Measurement Time **DSU 1**	From: 16:40		To: 16:55	
DSU 2	From: 16:55		To: 17:10	
Road Name/ Direction	Tong Ming Street		~~N~~ / E / ~~S / W~~	Speed 50 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 1**	**DSU 2**	**DSU 2**
	24	22	27	25
Road Name/ Direction	Tong Ming Street		~~N / E / S~~ / W	Speed 53 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	26	24	22	18
Road Name/ Direction	Tong Chung Street		N / E / S / W	Speed 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	28	20	16	17
Road Name/ Direction	Po Hong Road		N / ~~E / S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	38	48	43	46
Road Name/ Direction	Po Hong Road		~~N / E~~ / S / ~~W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	53	58	55	46

Measurement Location Map

See Figure PB02

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

<u>Layout Plan</u>

Major Road Name: Tong Ming Street
Mitigation Measure: ~~Noise Barrier~~/Podium/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: __/__ m (L); __/__ m (H); __/__ m (W)

(See Figure PB02)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

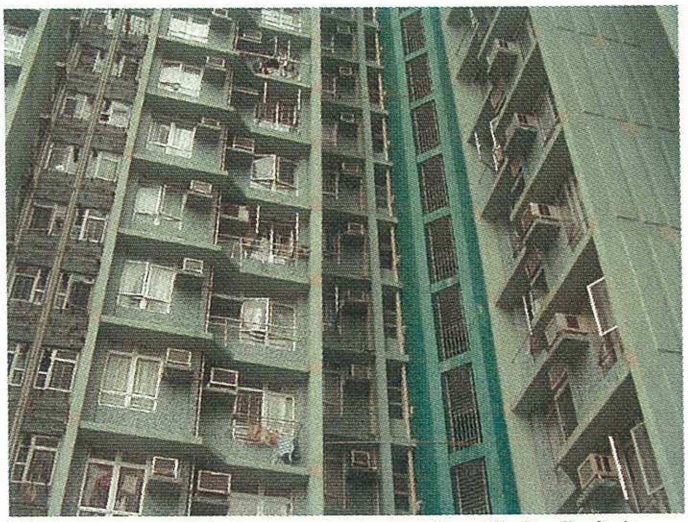
Photos (Ref. No.: PB-02 ; Form No.: 003 to 004)

Genral view of the concerned road

Genral view of the concerned road

Measurement point at reference position ("after" site)

Measurement point at receiver position ("before" site)



Measurement point at receiver position ("after" site)

Measurement point at receiver position ("before" site)

Tung Chi Street, Kwai Chung

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-03
Form No.: 005

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☑ Podium w/o Barrier
Description of barrier	Size: / (L) x / (W) x / (H)		Material: ☐ Concrete ☐ Arcylic ☐ Absorptive Material ☐ Others: N/A	
Name of Concerned Road	Tung Chi Street			
Location of Monitoring Site	Reference site: See Figure PB03 and Figure 2.3 Receiver – Before site (B1/B2/B3): See Figure 2.3 Receiver – After site(A1/A2/A3): See Figure 2.3			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	8/2/05			
Measurement Start Time (hh:mm)	09:00 to 09:30			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.2	
Air Temperature (ºC)	Receiver – Before site: Nil		Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 2)	A2 (Floor no. 7)	A3 (Floor no. 14)
		(HD: / m)	(HD: 5 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)
		(VD: / m)	(VD: 3 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 5.5 m)	(VD: 19 m)	(VD: 38 m)
	L_{10} (dB(A))	Nil	71.3	Nil	Nil	Nil	61.7	64.1	63.8
		Nil	71.2	Nil	Nil	Nil	61.2	63.6	63.8
	L_{90} (dB(A))	Nil	67.5	Nil	Nil	Nil	59	60.8	60.5
		Nil	67.3	Nil	Nil	Nil	59	60.7	60.5
	L_{eq} (dB(A))	Nil	69.6	Nil	Nil	Nil	60.6	62.6	62.3
		Nil	69.6	Nil	Nil	Nil	60.2	62.3	62.2
	L_{max} (dB(A))	Nil	77	Nil	Nil	Nil	75.2	73.6	74.9
		Nil	81.7	Nil	Nil	Nil	73.5	74.5	72.5

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	8-2-05
Checked By :	M Fan	Fan	8-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: N/A			
Measurement Time **DSU 1**	From:		To:	
Measurement Time **DSU 2**	From:		To:	
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)			(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure PB03			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Tung Chi Street		~~N / E / S~~ / W	Speed 50 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	17	15	7	7
Road Name/ Direction	Tung Chi Street		N / E / ~~S / W~~	Speed 50 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	18	26	37	34
Road Name/ Direction	Lei Muk Road		~~N / E~~ / S / ~~W~~	Speed 53 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	33	34	36	37
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure PB03

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-03
Form No.: 006

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☑ Podium w/o Barrier
Description of barrier	Size: / (L) x / (W) x / (H)		Material: ☐ Concrete ☐ Arcylic ☐ Absorptive Material ☐ Others: N/A	
Name of Concerned Road	Tung Chi Street			
Location of Monitoring Site	Reference site: See Figure PB03 and Figure 2.3			
	Receiver – Before site (B1/B2/B3): See Figure 2.3			
	Receiver – After site(A1/A2/A3): See Figure 2.3			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	8/2/05			
Measurement Start Time (hh:mm)	16:50 to 17:20			
Measurement Time Length (min.)	30			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: Nil		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: Nil		Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: Nil		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. /)	B2 (Floor no. /)	B3 (Floor no. /)	A1 (Floor no. 2)	A2 (Floor no. 7)	A3 (Floor no. 14)
		(HD: / m)	(HD: 5 m)	(HD: / m)	(HD: / m)	(HD: / m)	(HD: 10 m)	(HD: 10 m)	(HD: 10 m)
		(VD: / m)	(VD: 3 m)	(VD: / m)	(VD: / m)	(VD: / m)	(VD: 5.5 m)	(VD: 19 m)	(VD: 38 m)
	L_{10} (dB(A))	Nil	71.9	Nil	Nil	Nil	61.6	64.1	63.8
		Nil	71.6	Nil	Nil	Nil	61.2	63.6	63.5
	L_{90} (dB(A))	Nil	67.4	Nil	Nil	Nil	59.2	60.8	60.8
		Nil	67.5	Nil	Nil	Nil	59.1	60.7	60.8
	L_{eq} (dB(A))	Nil	69.4	Nil	Nil	Nil	60.5	62.6	62.3
		Nil	69.4	Nil	Nil	Nil	60.3	62.3	62.4
	L_{max} (dB(A))	Nil	78.6	Nil	Nil	Nil	68.9	73.6	75
		Nil	78.3	Nil	Nil	Nil	71.8	74.5	80.1

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	8-2-05
Checked By :	M Fan	Fan	8-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: N/A			
Measurement Time **DSU 1**	From:		To:	
Measurement Time **DSU 2**	From:		To:	
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure PB02			
Measurement Time **DSU 1**	From: 16:50		To: 17:05	
Measurement Time **DSU 2**	From: 17:05		To: 17:20	
Road Name/ Direction	Tung Chi Street		~~N / E / S~~ / W	Speed 49 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 1**	**DSU 2**	**DSU 2**
	10	17	11	15
Road Name/ Direction	Tung Chi Street		N / E / ~~S / W~~	Speed 49 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	20	25	40	38
Road Name/ Direction	Lei Muk Road		~~N / E~~ / S / ~~W~~	Speed 52 km/hr
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
	42	50	38	45
Road Name/ Direction			N / E / S / W	Speed
	(Light)		(Heavy)	
Traffic Flow (veh)	**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure PB03

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Tung Chi Street
Mitigation Measure: ~~Noise Barrier~~/Podium/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: __/__ m (L); __/__ m (H); __/__ m (W)

(See Figure PB03)

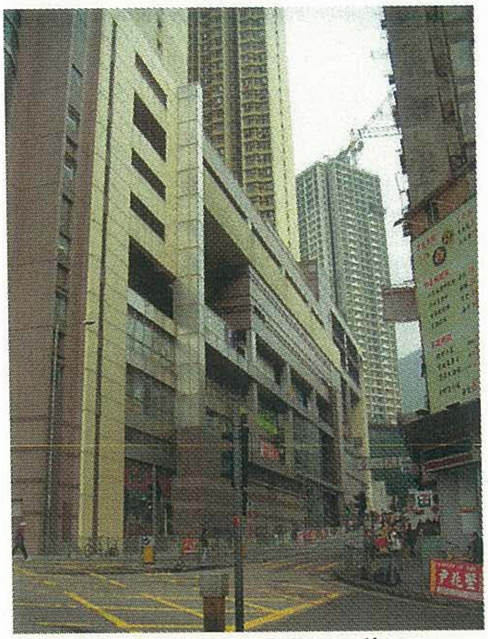
X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: PB-03 ; Form No.: 005 to 006)

Genral view of the subject road

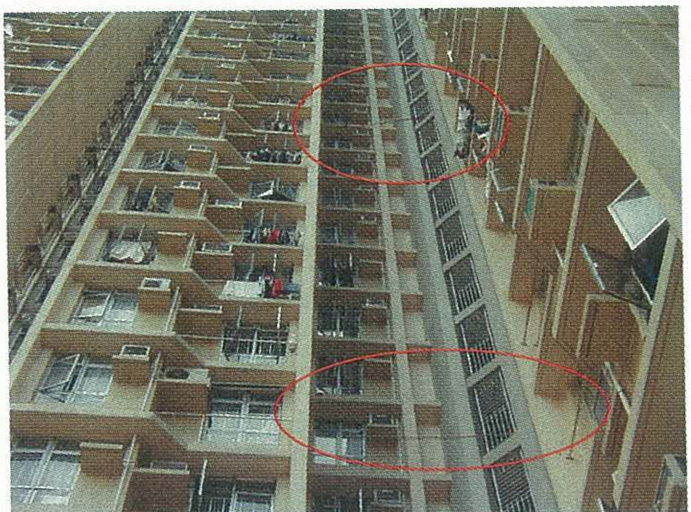
Genral view of the subject road



General view of the podium

Measurement point at reference site ("after" site)

Measurement point at receiver position ("after" site)



Measurement point at receiver position ("after" site)

Kwai Shing Circuit, Kwai Chung

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-04
Form No.: 007

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☑ Podium w/o Barrier
Description of barrier	Size: / (L) x / (W) x / (H)		Material: ☐ Concrete ☐ Arcylic ☐ Absorptive Material ☐ Others: N/A	
Name of Concerned Road	Kwai Shing Circuit			
Location of Monitoring Site	Reference site: See Figure PB04 and Figure 2.6			
	Receiver – Before site (B1/B2/B3): See Figure 2.6			
	Receiver – After site(A1/A2/A3): See Figure 2.6			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	24/2/05			
Measurement Start Time (hh:mm)	09:00 to 09:30			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (ºC)	Receiver – Before site: 19		Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: 85		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 7)	B2 (Floor no. 10)	B3 (Floor no. 13)	A1 (Floor no. 3)	A2 (Floor no. 6)	A3 (Floor no. 9)
		(HD: 5 m)	(HD: 5 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)
		(VD: 16.5 m)	(VD: 16.5 m)	(VD: 22 m)	(VD: 30 m)	(VD: 38 m)	(VD: 11 m)	(VD: 19 m)	(VD: 27.5 m)
	L_{10} (dB(A))	73.1	72.7	69.9	69	68.4	66.5	65.5	65.9
		73.9	72.1	69.6	68.7	68.2	65.3	65.7	66
	L_{90} (dB(A))	55.3	58.1	57.8	58.9	58.9	56.2	56.7	57.4
		55.4	58.9	58.6	58.7	58.8	57.8	56.6	57.5
	L_{eq} (dB(A))	70.7	69.8	63.9	63.2	64.8	62.3	62.5	63.7
		70.6	69.3	63.4	63	64.3	62.8	63	62.7
	L_{max} (dB(A))	91.4	87.5	82.7	77.4	80.3	74.2	73.7	73.7
		88.6	88.9	82.4	80	79.2	73.8	74.6	77.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	24-2-05
Checked By :	M Fan	Fan	24-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure PB04			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Kwai Shing Circuit		~~N / E / S~~ / W	Speed 50 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	8	10	24	26
Road Name/ Direction	Kwai Shing Circuit		~~N~~ / E / ~~S / W~~	Speed 48 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	13	13	39	31
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure PB04			
Measurement Time **DSU 1**	From: 09:00		To: 09:15	
Measurement Time **DSU 2**	From: 09:15		To: 09:30	
Road Name/ Direction	Kwai Shing Circuit		~~N / E / S~~ / W	Speed 49 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	9	11	24	25
Road Name/ Direction	Kwai Shing Circuit		~~N~~ / E / ~~S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	14	13	41	34
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure PB04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Ref. No.: PB-04
Form No.: 008

Mitigation Measure	☐ Vertical Barrier	☐ Cantilevered Barrier	☐ Podium w Barrier	☑ Podium w/o Barrier
Description of barrier	Size: / (L) x / (W) x / (H)		Material: ☐ Concrete ☐ Arcylic ☐ Absorptive Material ☐ Others: N/A	
Name of Concerned Road	Kwai Shing Circuit			
Location of Monitoring Site	Reference site: See Figure PB04 and Figure 2.6 Receiver – Before site (B1/B2/B3): See Figure 2.6 Receiver – After site(A1/A2/A3): See Figure 2.6			
Measurement site in "1980 Grid"	Reference (R1):	X: Nil	Y: Nil	
	Reference (R2):	X: Nil	Y: Nil	
	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	24/2/05			
Measurement Start Time (hh:mm)	16:40 to 17:10			
Measurement Time Length (min.)	30			
Weather Condition	Cloudy			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 19		Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: 80		Receiver – After site: 80	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for reference and receiver sites)		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. 7)	B2 (Floor no. 10)	B3 (Floor no. 13)	A1 (Floor no. 3)	A2 (Floor no. 6)	A3 (Floor no. 9)
		(HD: 5 m)	(HD: 5 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)	(HD: 15 m)
		(VD: 16.5 m)	(VD: 16.5 m)	(VD: 22 m)	(VD: 30 m)	(VD: 38 m)	(VD: 11 m)	(VD: 19 m)	(VD: 27.5 m)
	L_{10} (dB(A))	73.8	72	68.8	69.4	69.2	64.8	66.8	67
		72.7	72	67.9	70.3	68.8	64.2	66.1	66.1
	L_{90} (dB(A))	55.6	59.2	57.6	59	59.4	56.8	56.5	57.8
		54.9	59.4	57.4	58.9	60.1	55.5	55.8	57.5
	L_{eq} (dB(A))	71.4	69.9	63.4	63.9	64.6	61.9	63.7	63.8
		69.6	69	63.2	63.5	65.7	61.3	62.9	63.2
	L_{max} (dB(A))	92.9	88.2	82.5	78.8	81.7	71.9	77	77
		87.4	88.6	85.2	74.6	80.1	72	74.2	75.9

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Special Activities during measurement	Nil	Duration: Nil
Lmax contributed by	Nil	Time: Nil

Remark: *HD/VD = Horizontal Distance/Vertical Distance from Road Kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	24-2-05
Checked By :	M Fan	Fan	24-2-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	**(Before Site)**: See Figure PB04			
Measurement Time **DSU 1**	From: 16:40		To: 16:55	
Measurement Time **DSU 2**	From: 16:55		To: 17:10	
Road Name/ Direction	Kwai Shing Circuit		~~N / E / S~~ / W	Speed 49 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	11	8	26	23
Road Name/ Direction	Kwai Shing Circuit		N / E / ~~S / W~~	Speed 46 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	12	14	31	30
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Monitoring Location	**(After Site)**: See Figure PB01			
Measurement Time **DSU 1**	From: 16:40		To: 16:55	
Measurement Time **DSU 2**	From: 16:55		To: 17:10	
Road Name/ Direction	Kwai Shing Circuit		~~N / E / S~~ / W	Speed 46 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 1**	**DSU 2**	**DSU 2**
	13	9	24	23
Road Name/ Direction	Kwai Shing Circuit		N / E / ~~S / W~~	Speed 47 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
	10	12	35	31
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

See Figure PB04

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Layout Plan

Major Road Name: Kwai Shing Circuit
Mitigation Measure: ~~Noise Barrier~~/Podium/~~Enclosure/Architectural Fin/Balcony~~ (delete inappropriate)
Description: __/__ m (L); __/__ m (H); __/__ m (W)

(See Figure PB04)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Noise Barrier)

Photos (Ref. No.: PB-04 ; Form No.: 007 to 008)


Genral view of the subject road


General view of the podium


Measurement point at reference site (“after” site)


Measurement point at reference site (“before” site)


Measurement point at receiver position (“after” site)


Measurement point at receiver position (“before” site)

Sunview Garden, Sheung Shing Street

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-03
Form No.: B005

Description of Balcony	Size: 3.5m (L) x 1.1m (W) x 2.7m (H)					
Name of Concerned Road	Sheung Shing Street					
Location of Monitoring Site	Receiver – Before site: Flat A, 6/F, Sunview Garden, Sheung Shing Street, To Kwa Wan A2 (See Figure BA01 and Figure 2.7)					
	Receiver – After site: Flat A, 6/F, Sunview Garden, Sheung Shing Street, To Kwa Wan A1 (See Figure BA01 and Figure 2.7)					
Measurement Location in "1980 Grid"	Receiver – Before site		X: Nil		Y: Nil	
	Receiver – After site		X: Nil		Y: Nil	
Date of Monitoring	21/1/2005					
Measurement Start Time (hh:mm)	09:20 to 09:50					
Measurement Time Length (min.)	30min					
Weather Condition	Fine					
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 1.0			Receiver – After site: 1.0		
Air Temperature (°C)	Receiver – Before site: 18			Receiver – After site: 18		
Relative Humidity (%)	Receiver – Before site: 77			Receiver – After site: 77		
Cloud cover (%)	☐ >80 for 100% measurement time		☐ 50 – 80 for at least 80% measurement time		☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31					
Calibrator Model/Serial no.	NC-73					

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)	R (Floor no. 6)		A 1 (Floor no. 6)		A 2 (Floor no. 6)	
	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)
L_{10} (dB(A))	68.8	68.9	52.0	52.2	56.9	57.9
L_{90} (dB(A))	59.5	59.0	46.2	45.9	48.1	49.1
L_{eq} (dB(A))	65.7	66.2	50.0	49.8	54.2	55.0
L_{max} (dB(A))	79.2	80.6	67.3	70.3	65.5	70.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	21-1-05
Checked By :	M Fan	Fan	21-1-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-03
Form No.: B006

Description of Balcony	Size: 3.5m (L) x 1.1m (W) x 2.7m (H)		
Name of Concerned Road	Sheung Shing Street		
Location of Monitoring Site	Receiver – Before site: Flat A, 6/F, Sunview Garden, Sheung Shing Street, To Kwa Wan A2 (See Figure BA01 and Figure 2.7)		
	Receiver – After site: Flat A, 6/F, Sunview Garden, Sheung Shing Street, To Kwa Wan A1 (See Figure BA01 and Figure 2.7)		
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	21/1/2005		
Measurement Start Time (hh:mm)	16:50 to 17:05		
Measurement Time Length (min.)	30min		
Weather Condition	Fine		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.8	Receiver – After site: 0.8	
Air Temperature (°C)	Receiver – Before site: 18	Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: 77	Receiver – After site: 77	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time; ☐ 0
Noise Meter Model/Serial no.	NL-30		
Calibrator Model/Serial no.	NC-73		

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)		R 1 (Floor no. 6)		A 1 (Floor no. 6)		A 2 (Floor no. 6)	
		(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)	(HD: 10 m) (VD: 18 m)
	L_{10} (dB(A))	69.5	69.9	53.0	53.9	58.5	59.1
	L_{90} (dB(A))	59.7	59.6	47.1	47.7	49.8	50.6
	L_{eq} (dB(A))	66.9	66.8	51.6	52.4	55.9	56.2
	L_{max} (dB(A))	84.7	83.6	68.0	71.7	69.1	73.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	21-1-05
Checked By :	M Fan	Fan	21-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		Flat A, 6/F, Sunview Garden, Sheung Shing Street, To Kwa Wan (See Figure BA01 and Figure 2.7)			
Measurement Time	**DSU 1**	From: 09:20		To: 09:35	
	DSU 2	From: 09:35		To: 09:50	
Road Name/ Direction		Sheung Shing Street		N / ~~E / S / W~~	Speed: 56 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		63	54	58	51
Road Name/ Direction		Sheung Shing Street		~~N / E~~ / S / ~~W~~	Speed: 59 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		28	48	19	47
Measurement Time	**DSU 1**	From: 16:50		To: 17:05	
	DSU 2	From: 17:05		To: 17:20	
Road Name/ Direction		Sheung Shing Street		N / ~~E / S / W~~	Speed: 58 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		87	96	71	72
Road Name/ Direction		Sheung Shing Street		~~N / E~~ / S / ~~W~~	Speed: 57 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		71	85	47	60
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

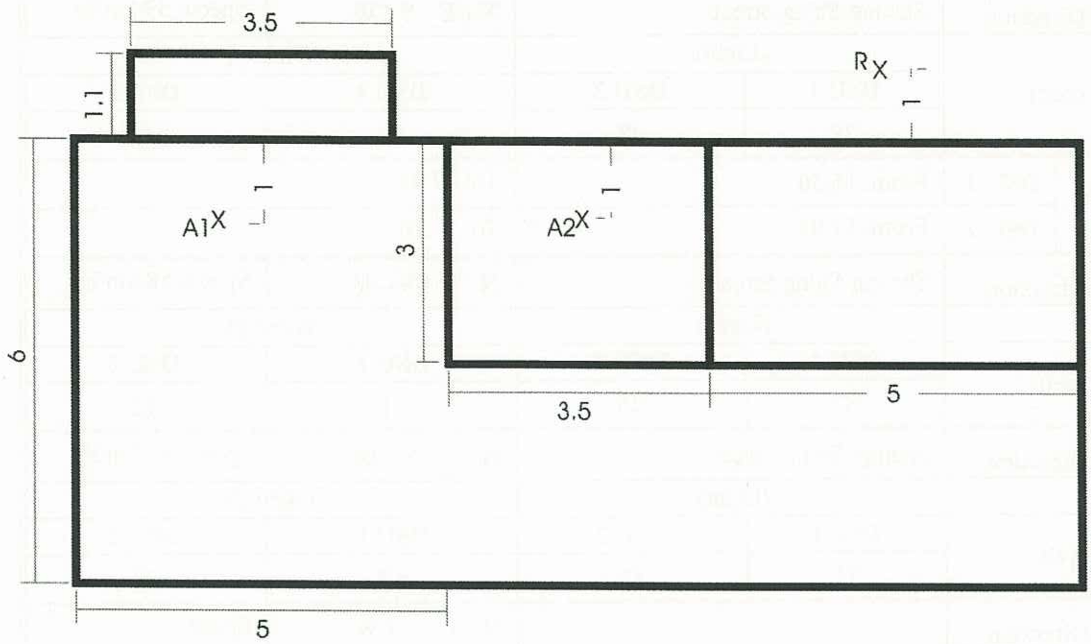
(see Figure BA01 and Figure 2.7)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Layout Plan

Major Road Name: Sheung Shing Street
Mitigation Measure: ~~Noise Barrier/Enclosure/Architectural Fin~~/Balcony (delete inappropriate)
Description: 3.5 m (L); 2.7 m (H); 1.1 m (W)

(see Figure BA01 and Figure 2.7)
Floor plan (including balcony) shown as follows:



X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Photos

 A general view of the concerned road	 A general view of the concerned site
 A general view of the balcony (**All windows are fully opened during noise measurement)	 Noise measurement at 1m from balcony "A1"
 Noise measurement at 1m from an opened window "A2"	 Noise measurement at reference position "R1" (1m from façade)

Kwong Wai Street, Yau Ma Tei

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-04
Form No.: B007

Description of Balcony	Size: 2.9m (L) x 0.7m (W) x 2.7m (H)		
Name of Concerned Road	Kwong Wai Street		
Location of Monitoring Site	Receiver – Before site: Flat F, 19/F, Paradise Square, Kwong Wai Street A2 (See Figure BA02 and Figure 2.7)		
	Receiver – After site: Flat F, 19/F, Paradise Square, Kwong Wai Street A1 (See Figure BA02 and Figure 2.7)		
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	10/8/2005		
Measurement Start Time (hh:mm)	09:00 to 09:30		
Measurement Time Length (min.)	30min		
Weather Condition	Fine		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 1.5	Receiver – After site: 1.5	
Air Temperature (°C)	Receiver – Before site: 30	Receiver – After site: 30	
Relative Humidity (%)	Receiver – Before site: 75	Receiver – After site: 75	

Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time	☐ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)	R (Floor no. 19)		A 1 (Floor no. 19)		A 2 (Floor no. 19)	
	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)
L_{10} (dB(A))	65.3	64.2	53.2	52.9	55.4	55.1
L_{90} (dB(A))	60.0	59.9	48.5	50.2	51.7	52.1
L_{eq} (dB(A))	62.9	62.4	51.7	51.9	54.0	53.8
L_{max} (dB(A))	74.2	71.7	81.0	75.0	67.9	65.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

		Name & Designation	Signature	Date
Recorded By	:	P F Yeung	Yeung	10-8-05
Checked By	:	M Fan	Fan	10-8-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-04
Form No.: B008

Description of Balcony	Size: 2.9m (L) x 0.7m (W) x 2.7m (H)					
Name of Concerned Road	Kwong Wai Street					
Location of Monitoring Site	Receiver – Before site: Flat F, 19/F, Paradise Square, Kwong Wai Street A2 (See Figure BA02 and Figure 2.7)					
	Receiver – After site: Flat F, 19/F, Paradise Square, Kwong Wai Street A1 (See Figure BA02 and Figure 2.7)					
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil		Y: Nil		
	Receiver – After site	X: Nil		Y: Nil		
Date of Monitoring	10/8/2005					
Measurement Start Time (hh:mm)	16:30 to 17:00					
Measurement Time Length (min.)	30min					
Weather Condition	Fine					
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 1.2			Receiver – After site: 1.2		
Air Temperature (°C)	Receiver – Before site: 31			Receiver – After site: 31		
Relative Humidity (%)	Receiver – Before site: 79			Receiver – After site: 79		
Cloud cover (%)	☐ >80 for 100% measurement time	☑ 50 – 80 for at least 80% measurement time		☐ < 50 for at least 80% measurement time	☐ 0	
Noise Meter Model/Serial no.	NL-30					
Calibrator Model/Serial no.	NC-73					
Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)	R 1 (Floor no. 19)		A 1 (Floor no. 19)		A 2 (Floor no. 19)	
	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)	(HD: 25 m) (VD: 55 m)
L_{10} (dB(A))	64.6	64.6	52.8	53.5	55.6	56.3
L_{90} (dB(A))	62.1	61.4	50.6	51.0	52.8	53.4
L_{eq} (dB(A))	63.7	63.5	51.9	52.4	54.3	54.8
L_{max} (dB(A))	69.3	77.6	75.0	77.1	68.2	61.7
Major Activity During Monitoring	Nil		Start (hh:mm) Nil End (hh:mm) Nil			
Noise Measurement Record No	From: Nil		To: Nil			
Photo Record No.	From: Nil		To: Nil			
Audio Record No	From: Nil		To: Nil			
Video Record No	From: Nil		To: Nil			
Main Activities during measurement	Nil		Duration Nil			
Lmax contributed by	Nil		Time Nil			

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	10-8-05
Checked By :	M Fan	Fan	10-8-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		Flat FA, 19/F, Paradise Square, Kwong Wai Street (See Figure BA02 and Figure 2.7)			
Measurement Time	DSU 1	From: 09:00		To: 09:15	
	DSU 2	From: 09:15		To: 09:30	
Road Name/ Direction		Kwong Wai Street		~~N~~ / ~~E~~ / S / ~~W~~	Speed: 45 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	DSU 2	DSU 1	DSU 2
		84	73	30	28
Road Name/ Direction				N / E / S / W	Speed:
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	DSU 2	DSU 1	DSU 2
Measurement Time	DSU 1	From: 16:30		To: 16:45	
	DSU 2	From: 16:45		To: 17:00	
Road Name/ Direction		Kwong Wai Street		~~N~~ / ~~E~~ / S / ~~W~~	Speed: 42 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		DSU 1	DSU 2	DSU 1	DSU 2
		131	29	127	28
Road Name/ Direction				N / E / S / W	Speed:
		(Light)		(Heavy)	
Traffic Flow (veh)		DSU 1	DSU 2	DSU 1	DSU 2
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		DSU 1	DSU 2	DSU 1	DSU 2

Measurement Location Map

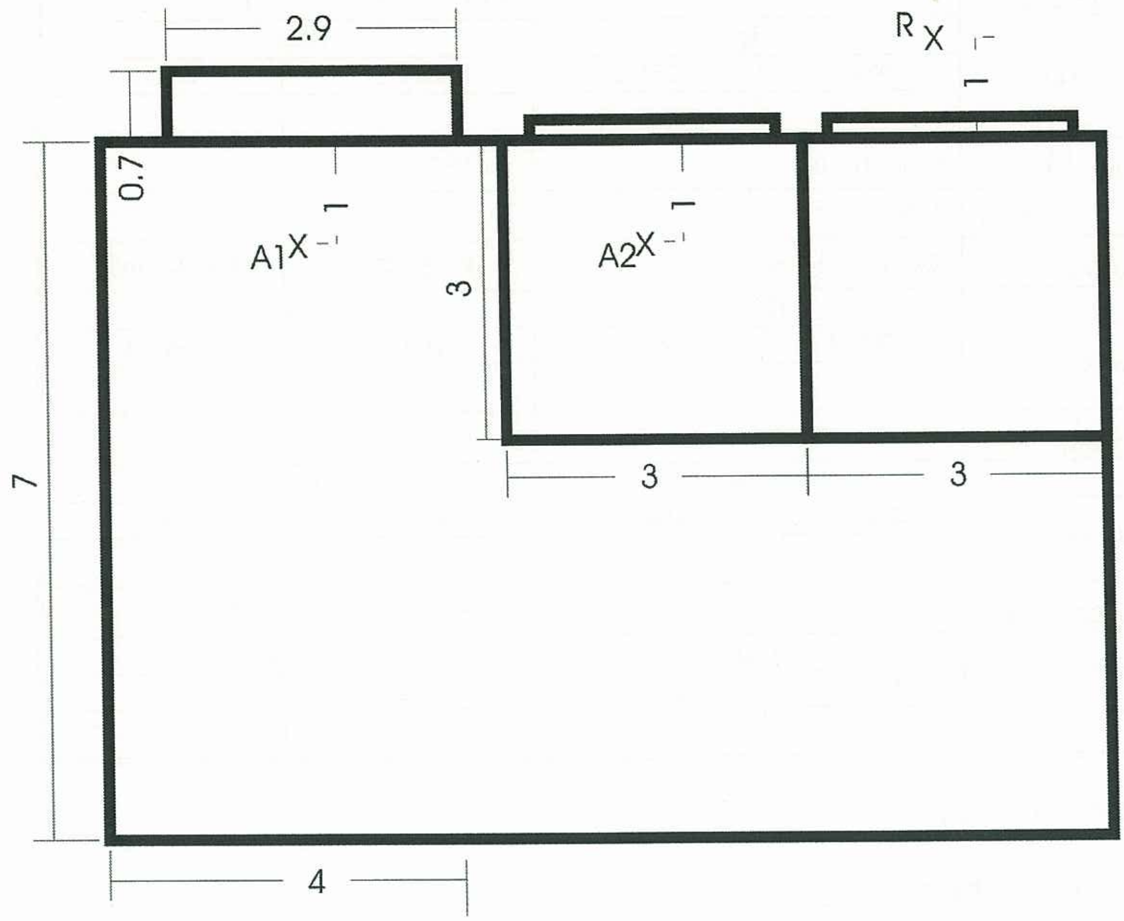
(see Figure BA02 and Figure 2.7)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Layout Plan

Major Road Name: Kwong Wai Street
Mitigation Measure: ~~Noise Barrier/Enclosure/Architectural Fin~~/Balcony (delete inappropriate)
Description: 2.9 m (L); 2.7 m (H); 0.7 m (W)

(see Figure BA02 and Figure 2.7)
Floor Plan (inclding the balcony) as shown below:



X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

<u>Photos</u>

A general view of the concerned road

A general view of the concerned road

A general view of the balcony

Noise measurement at 1m from balcony "A1"

Noise measurement at 1m from an opened window "A2"

Noise measurement at reference position "R1" (1m from façade)

Marigold Mansions, Shun Yung Street

sNoise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-01
Form No.: B001

Description of Balcony	Size: 1.5 (L) x 1.3 (W) x 2.7 (H)					
Name of Concerned Road	Shun Yung Street					
Location of Monitoring Site	Receiver – Before site: Flat F, 4/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A2 (See Figure BA02 and Figure 2.7)					
	Receiver – After site: Flat F, 4/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A1 (See Figure BA02 and Figure 2.7)					
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil		Y: Nil		
	Receiver – After site	X: Nil		Y: Nil		
Date of Monitoring	6/1/2005					
Measurement Start Time (hh:mm)	10:30 to 11:00					
Measurement Time Length (min.)	30min					
Weather Condition	Fine					
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2			Receiver – After site: 0.2		
Air Temperature (°C)	Receiver – Before site: 19			Receiver – After site: 19		
Relative Humidity (%)	Receiver – Before site: 70			Receiver – After site: 70		
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time		☑ < 50 for at least 80% measurement time		☐ 0
Noise Meter Model/Serial no.	NL-31					
Calibrator Model/Serial no.	NC-73					

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)	R 1 (Floor no. 4)		A 1 (Floor no. 4)		A 2 (Floor no. 4)	
	(HD: 18 m) (VD: 12 m)	(HD: 18 m) (VD: 12 m)	(HD: 18 m) (VD: 12 m)	(HD: 18 m) (VD: 12 m)	(HD: 18 m) (VD: 12 m)	(HD: 18 m) (VD: 12 m)
L_{10} (dB(A))	70.6	70.6	57.5	57.2	60.1	60.2
L_{90} (dB(A))	63.0	62.7	49.1	49.0	53.2	53.6
L_{eq} (dB(A))	67.7	68.0	56.5	55.0	57.8	57.9
L_{max} (dB(A))	86.0	84.9	77.2	77.4	75.1	74.3

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	6-1-05
Checked By :	M Fan	Fan	6-1-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-01
Form No.: B002

Description of Balcony		Size: 1.5 (L) x 1.3 (W) x 2.7 (H)					
Name of Concerned Road		Shun Yung Street					
Location of Monitoring Site		Receiver – Before site: Flat F, 4/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A2 (See Figure BA02 and Figure 2.7)					
		Receiver – After site: Flat F, 4/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A1 (See Figure BA02 and Figure 2.7)					
Measurement Location in "1980 Grid"		Receiver – Before site		X: Nil		Y: Nil	
		Receiver – After site		X: Nil		Y: Nil	
Date of Monitoring		6/1/2005					
Measurement Start Time (hh:mm)		17:30 to 18:00					
Measurement Time Length (min.)		30					
Weather Condition		Fine					
Wind Speed (ms^{-1}) & Direction		Receiver – Before site: 0.2			Receiver – After site: 0.2		
Air Temperature (°C)		Receiver – Before site: 19			Receiver – After site: 19		
Relative Humidity (%)		Receiver – Before site: 70			Receiver – After site: 70		
Cloud cover (%)		☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time		☑ < 50 for at least 80% measurement time		☐ 0
Noise Meter Model/Serial no.		NL-31					
Calibrator Model/Serial no.		NC-73					
Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)		R 1 (Floor no. 4)		A 1 (Floor no. 4)		A 2 (Floor no. 4)	
		(HD: 18 m)	(HD: 18 m)	(HD: 18 m)	(HD: 18 m)	(HD: 18 m)	(HD: 18 m)
		(VD: 12 m)	(VD: 12 m)	(VD: 12 m)	(VD: 12 m)	(VD: 12 m)	(VD: 12 m)
	L_{10} (dB(A))	69.4	69.5	57.7	57.8	60.3	59.8
	L_{90} (dB(A))	62.7	62.8	52.2	52.5	52.7	52.9
	L_{eq} (dB(A))	67.4	67.1	55.7	56	57.7	57.3
	L_{max} (dB(A))	88	78.3	73.3	71.1	75	66.9
Major Activity During Monitoring		Nil			Start (hh:mm) Nil End (hh:mm) Nil		
Noise Measurement Record No		From: Nil			To: Nil		
Photo Record No.		From: Nil			To: Nil		
Audio Record No		From: Nil			To: Nil		
Video Record No		From: Nil			To: Nil		
Main Activities during measurement		Nil			Duration Nil		
Lmax contributed by		Nil			Time Nil		
Remark: * HD/VD = Horizontal/Vertical Distance from road kerb							

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	6-1-05
Checked By :	M Fan	Fan	6-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	Flat F, 4/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan (See Figure BA02 and Figure 2.7)			
Measurement Time – DSU 1	From: 10:30		To: 10:45	
Measurement Time – DSU 2	From: 10:45		To: 11:00	
Road Name/ Direction	Shun Yung Street		N / ~~E / S / W~~	Speed: 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	65	78	49	41
Road Name/ Direction	Shun Yung Street		~~N / E~~ / S / ~~W~~	Speed 54 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	25	47	20	21
Measurement Time – DSU 1	From: 17:30		To: 17:45	
Measurement Time – DSU 2	From: 17:45		To: 18:00	
Road Name/ Direction	Shun Yung Street		N / ~~E / S / W~~	Speed: 52 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	92	85	36	41
Road Name/ Direction	Shun Yung Street		~~N / E~~ / S / ~~W~~	Speed 51 km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	42	39	22	26
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2

Measurement Location Map

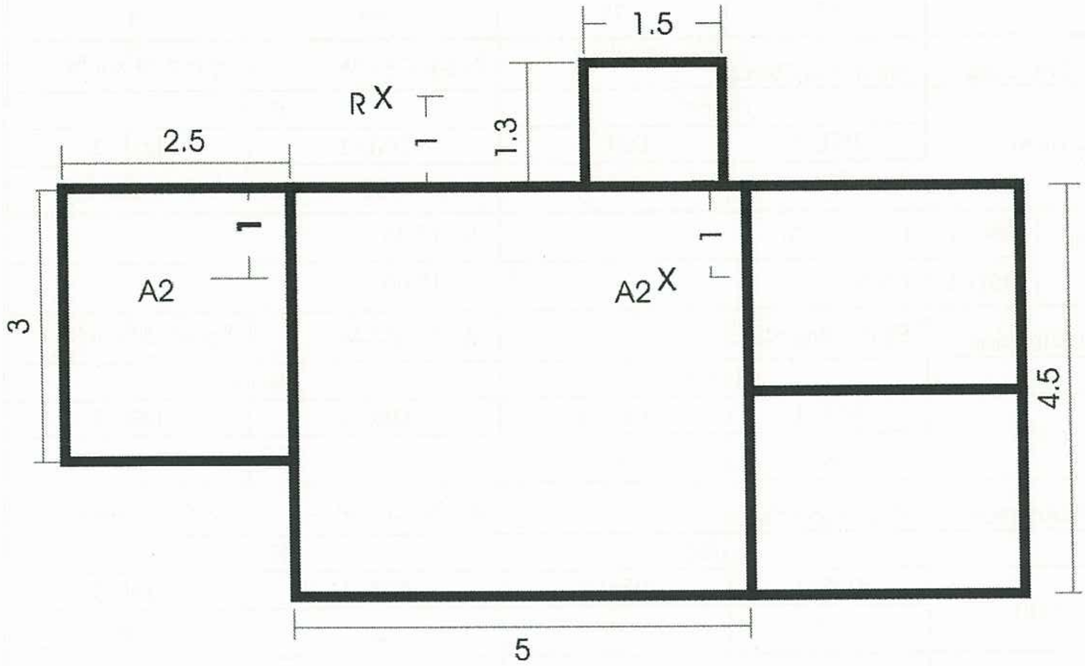
(see See Figure BA02 and Figure 2.7)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Layout Plan

Major Road Name: Shun Yung Street
Mitigation Measure: ~~Noise Barrier/Enclosure/Architectural Fin~~/Balcony (delete inappropriate)
Description: 1.5 m (L); 2.7 m (H); 1.3 m (W)

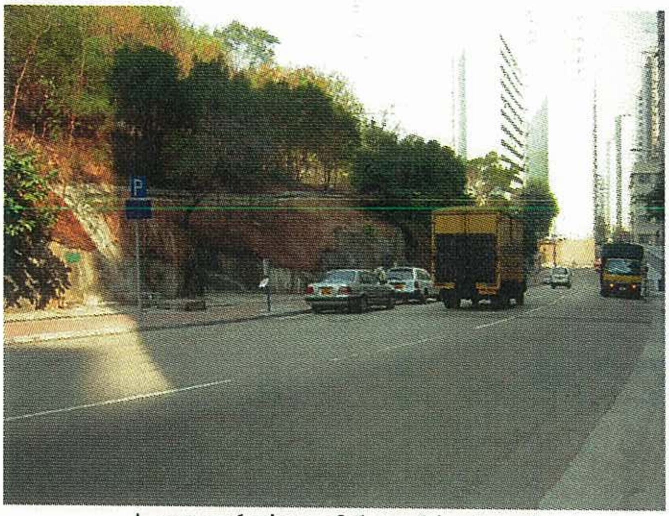
(see Figure BA02 and Figure 2.7)
Floor Plan (inclding the balcony) as shown below:



X - Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

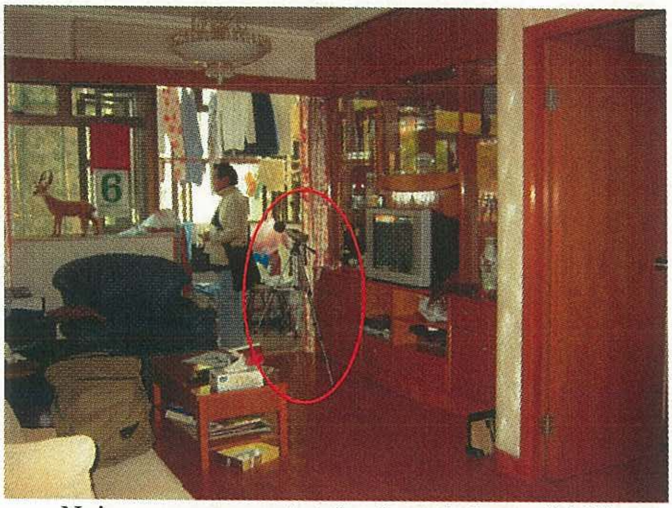
Photos



A general view of the subject road

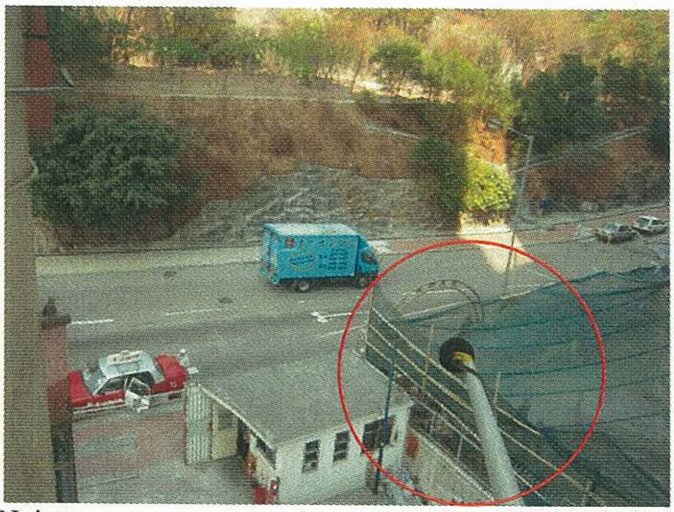
A general view of the "after" site

A general view of the balcony
(**All windows at balcony are fully opened during noise measurement)



Noise measurement at 1m from balcony "A1"

Noise measurement at 1m from an opened window "A2"



Noise measurement at reference position "R1" (1m from façade)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-02
Form No.: B003

Description of Balcony	Size: 1.5 (L) x 1.3 (W) x 2.7 (H)					
Name of Concerned Road	Shun Yung Street					
Location of Monitoring Site	Receiver – Before site: Flat F, 6/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A2 (See Figure BA02 and Figure 2.7)					
	Receiver – After site: Flat F, 6/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A1 (See Figure BA02 and Figure 2.7)					
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil		Y: Nil		
	Receiver – After site	X: Nil		Y: Nil		
Date of Monitoring	17/1/2005					
Measurement Start Time (hh:mm)	09:00 to 09:30					
Measurement Time Length (min.)	30min					
Weather Condition	Fine					
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2			Receiver – After site: 0.2		
Air Temperature (°C)	Receiver – Before site: 18			Receiver – After site: 18		
Relative Humidity (%)	Receiver – Before site: 72			Receiver – After site: 72		
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time		☑ < 50 for at least 80% measurement time		☐ 0
Noise Meter Model/Serial no.	NL-31					
Calibrator Model/Serial no.	NC-73					

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)	R 1 (Floor no. 6)		A 1 (Floor no. 6)		A 2 (Floor no. 6)	
	(HD: 18 m) (VD: 18 m)	(HD: 18 m) (VD: 18 m)	(HD: 18 m) (VD: 18 m)	(HD: 18 m) (VD: 18 m)	(HD: 18 m) (VD: 18 m)	(HD: 18 m) (VD: 18 m)
L_{10} (dB(A))	69.0	69.1	56.5	56.5	58.7	59.4
L_{90} (dB(A))	63.2	64.1	50.5	51.3	53.8	54.9
L_{eq} (dB(A))	66.9	67.0	54.2	54.	56.8	57.5
L_{max} (dB(A))	80.6	76.9	66.9	65.9	69.1	71.8

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-1-05
Checked By :	M Fan	Fan	17-1-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Ref. No.: B-02
Form No.: B004

Description of Balcony	Size: 1.5 (L) x 1.3 (W) x 2.7 (H)		
Name of Concerned Road	Shun Yung Street		
Location of Monitoring Site	Receiver – Before site: Flat F, 6/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A2 (See Figure BA02 and Figure 2.7)		
	Receiver – After site: Flat F, 6/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan A1 (See Figure BA02 and Figure 2.7)		
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	17/1/2005		
Measurement Start Time (hh:mm)	17:00 to 17:30		
Measurement Time Length (min.)	30min		
Weather Condition	Fine		

Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 18		Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: 72		Receiver – After site: 72	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations R, A1 and A2)		R 1 (Floor no. 6)		A 1 (Floor no. 6)		A 2 (Floor no. 6)	
		(HD: 18 m)	(HD: 18 m)	(HD: 18 m)	(HD: 18 m)	(HD: 18 m)	(HD: 18 m)
		(VD: 18 m)	(VD: 18 m)	(VD: 18 m)	(VD: 18 m)	(VD: 18 m)	(VD: 18 m)
	L_{10} (dB(A))	70.7	71.3	56.5	57	59	59.2
	L_{90} (dB(A))	64.3	64.8	49.2	49.7	52.8	53.1
	L_{eq} (dB(A))	68	69.4	54	55.2	56.4	56.9
	L_{max} (dB(A))	81.5	85.4	70.8	74.1	67.4	76

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-1-05
Checked By :	M Fan	Fan	17-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		Flat F, 6/F, Marigold Mansions, 2 Shun Yung Street, To Kwa Wan (See Figure BA02 and Figure 2.7)			
Measurement Time	DSU 1	From: 09:00		To: 09:15	
	DSU 2	From: 09:15		To: 09:30	
Road Name/ Direction		Shun Yung Street		N / ~~E / S / W~~	Speed: 52 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		98	112	25	27
Road Name/ Direction		Shun Yung Street		~~N / E~~ / S / ~~W~~	Speed 53 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		46	56	21	26
Measurement Time	DSU 1	From: 17:00		To: 17:15	
	DSU 2	From: 17:15		To: 17:30	
Road Name/ Direction		Shun Yung Street		N / ~~E / S / W~~	Speed: 51 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		31	52	25	22
Road Name/ Direction		Shun Yung Street		~~N / E~~ / S / ~~W~~	Speed 53 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		74	100	43	46
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

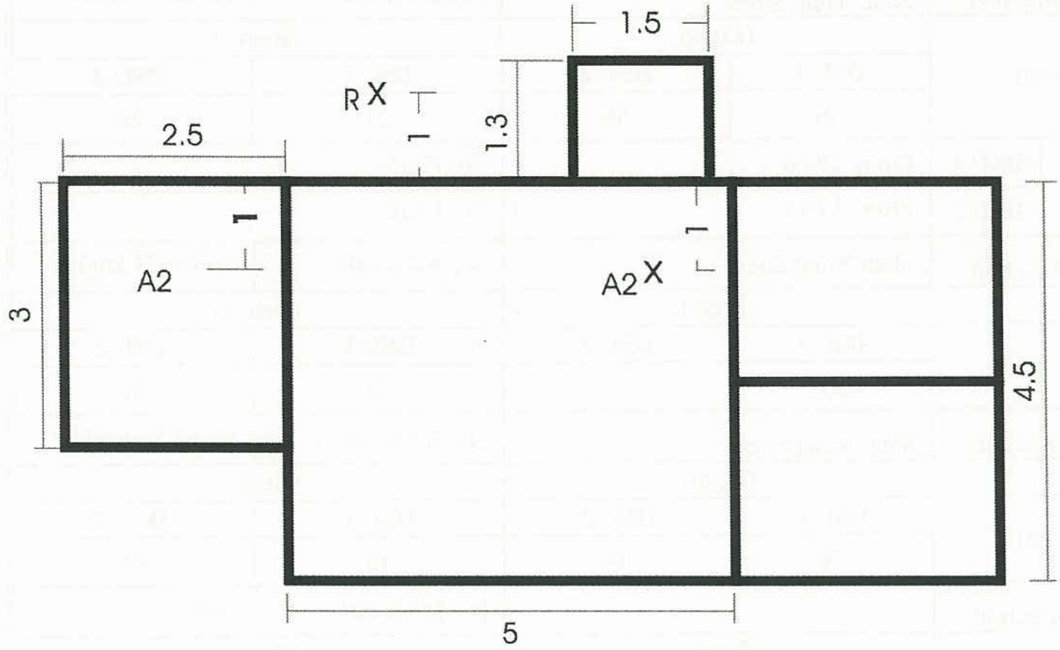
(see Figure BA02 and Figure 2.7)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

Layout Plan

Major Road Name: Shun Yung Street
Mitigation Measure: ~~Noise Barrier/Enclosure/Architectural Fin~~/Balcony (delete inappropriate)
Description: 1.5 m (L); 2.7 m (H); 1.3 m (W)

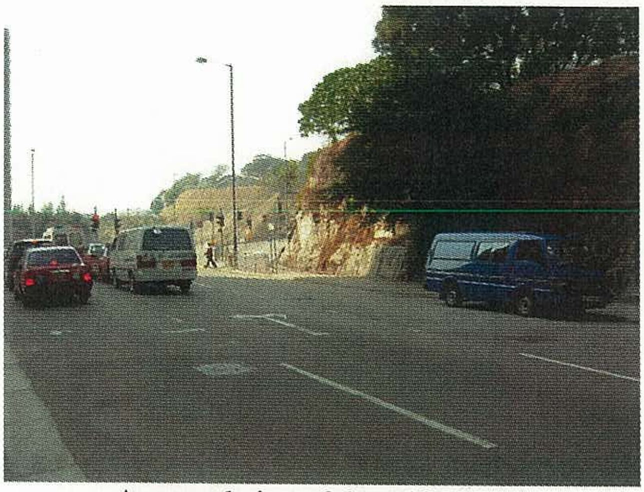
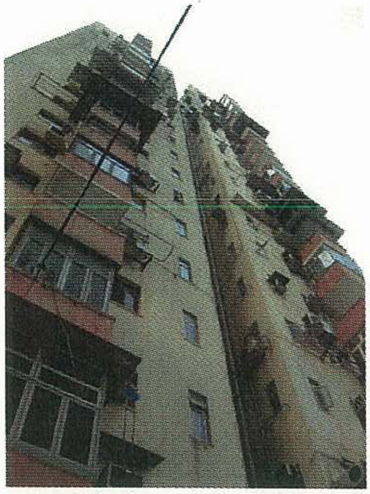
(see Figure BA02 and Figure 2.7)
Floor Plan (inclding the balcony) as shown below:



X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Balcony)

<u>Photos</u>

<table>
<tr>
<td>
A general view of the subject road</td>
<td>
A general view of the "after" site</td>
</tr>
<tr>
<td>
A general view of the balcony
(**All windows at balcony are fully opened during noise measurement)</td>
<td>
Noise measurement at 1m from balcony "A1"
(**All windows at balcony are fully opened during noise measurement)</td>
</tr>
<tr>
<td>
Noise measurement at 1m from an opened window "A2"</td>
<td>
Noise measurement at reference position "R1" (1m from façade)</td>
</tr>
</table>

Villa Tiara near Castle Peak Road

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-01
Form No.: 001

Description of Fin	Size: 1m (L)		
Name of Concerned Road	Castle Peak Road (Castle Peak Bay Section)		
Location of Monitoring Site	Receiver – Before site: Flat B, 7/F, Block 6, Villa Tiara, Tuen Mun A1 (See Figure SF01 and Figure 2.8)		
	Receiver – After site: Flat B, 7/F, Block 6, Villa Tiara, Tuen Mun A2 (See Figure SF01 and Figure 2.8)		
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	17/1/2005		
Measurement Start Time (hh:mm)	10:30 to 11:00		
Measurement Time Length (min.)	30min		
Weather Condition	Fine		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2	Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 18	Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: 72	Receiver – After site: 72	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time ☐ 0
Noise Meter Model/Serial no.	NL-31		
Calibrator Model/Serial no.	NC-73		

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)		Receiver Site (Floor no. 7B)			
		A 1 (HD: 25 m; VD: 28 m)		A 2 (HD: 25 m; VD: 28 m)	
	L_{10} (dB(A))	70.5	71.2	69.4	71.0
	L_{90} (dB(A))	62.9	63.4	61.7	62.3
	L_{eq} (dB(A))	67.6	68.3	66.7	68.5
	L_{max} (dB(A))	79.3	82.6	79.5	89.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-1-05
Checked By :	M Fan	Fan	17-1-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-01
Form No.: 002

Description of Fin	Size: 1m (L)		
Name of Concerned Road	Castle Peak Road (Castle Peak Bay Section)		
Location of Monitoring Site	Receiver – Before site: Flat B, 7/F, Block 6, Villa Tiara, Tuen Mun A1 (See Figure SF01 and Figure 2.8)		
	Receiver – After site: Flat B, 7/F, Block 6, Villa Tiara, Tuen Mun A2 (See Figure SF01 and Figure 2.8)		
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	17/1/2005		
Measurement Start Time (hh:mm)	15:00 to 15:30		
Measurement Time Length (min.)	30min		
Weather Condition	Fine		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2	Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 18	Receiver – After site: 18	
Relative Humidity (%)	Receiver – Before site: 72	Receiver – After site: 72	
Cloud cover (%)	☐ >80 for 100% measurement time ☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31		
Calibrator Model/Serial no.	NC-73		

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)	Receiver Site (Floor no. 7B)	Receiver Site (Floor no. 7B)			
		A 1 (HD: 25 m; VD: 28 m)		A 2 (HD: 25 m; VD: 28 m)	
	L_{10} (dB(A))	71.9	71.2	70.9	71.2
	L_{90} (dB(A))	64.1	64	63	64
	L_{eq} (dB(A))	69.1	68.6	68.2	68.6
	L_{max} (dB(A))	81.4	84.3	85.7	87.6

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	17-1-05
Checked By :	M Fan	Fan	17-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		Flat B, 7/F, Block 6, Villa Tiara, Tuen Mun (See Figure SF01 and Figure 2.8)			
Measurement Time	DSU 1	From: 10:30		To: 10:45	
	DSU 2	From: 10:45		To: 11:00	
Road Name/ Direction		Castle Peak Road (Castle Peak Bay Section)		~~N / E~~ / S / ~~W~~	Speed: ~50km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		47	46	42	54
Road Name/ Direction		Castle Peak Road (Castle Peak Bay Section)		N / ~~E / S / W~~	Speed: ~50km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		75	76	47	68
Measurement Time	DSU 1	From: 15:00		To: 15:15	
	DSU 2	From: 15:15		To: 15:30	
Road Name/ Direction		Castle Peak Road (Castle Peak Bay Section)		~~N / E~~ / S / ~~W~~	Speed: ~50km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		59	52	58	49
Road Name/ Direction		Castle Peak Road (Castle Peak Bay Section)		N / ~~E / S / W~~	Speed: ~50km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		89	76	73	58
Road Name/ Direction				N / E / S / W	Speed
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

(See Figure SF01 and Figure 2.8)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Layout Plan

Major Road Name: Castle Peak Road (Castle Peak Bay Section)
Mitigation Measure: ~~Noise Barrier/Enclosure/~~Architectural Fin/~~Balcony~~ (delete inappropriate)
Description: 1 m (L)

(See Figure SF01 and Figure 2.8)

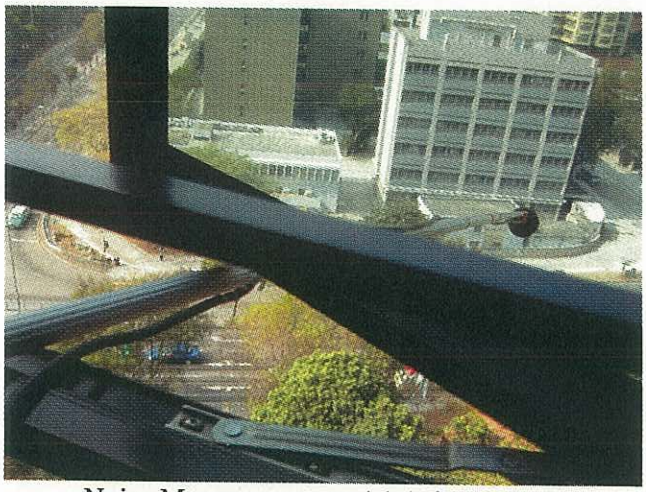
X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Photos

A view of the subject road

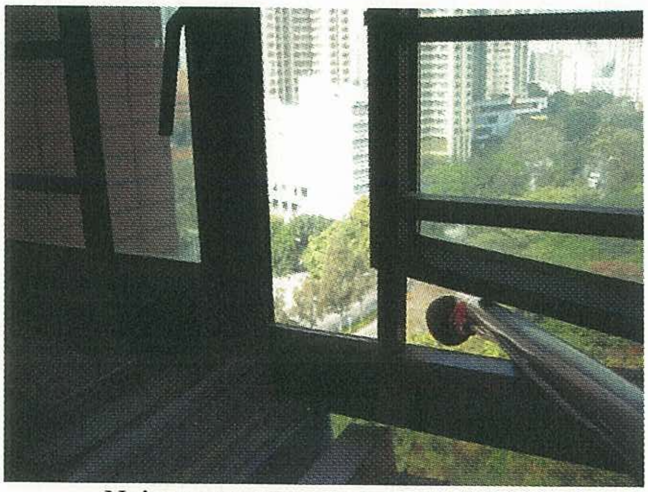
A view of the architectural fin



Noise Measurement at A1 (without fins)

Noise Measurement at A1 (without fins)

Noise measurement at A2 (with fins)



Noise measurement at A2 (with fins)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-01
Form No.: 001

Description of Fin	Size: 1m (L)		
Name of Concerned Road	Castle Peak Road (Castle Peak Bay Section)		
Location of Monitoring Site	Receiver – Before site: Flat B, 13/F, Block 6, Villa Tiara, Tuen Mun A1 (See Figure SF01 and Figure 2.8)		
	Receiver – After site: Flat B, 13/F, Block 6, Villa Tiara, Tuen Mun A2 (See Figure SF01 and Figure 2.8)		
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	20/1/2005		
Measurement Start Time (hh:mm)	09:30 to 10:00		
Measurement Time Length (min.)	30min		
Weather Condition	Fine		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2	Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 19	Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: 75	Receiver – After site: 75	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time; ☐ 0
Noise Meter Model/Serial no.	NL-31		
Calibrator Model/Serial no.	NC-73		

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)		Receiver Site (Floor no. 13B)			
		A1 (HD: 25 m; VD: 41 m)		A2 (HD: 25 m; VD: 41 m)	
	L_{10} (dB(A))	71.8	71.6	71.5	71.1
	L_{90} (dB(A))	64.2	64.0	63.6	63.5
	L_{eq} (dB(A))	68.9	68.7	68.5	68.2
	L_{max} (dB(A))	83.1	82.6	82.4	83.3
Major Activity During Monitoring		Nil		Start (hh:mm) Nil End (hh:mm) Nil	
Noise Measurement Record No		From: Nil		To: Nil	
Photo Record No.		From: Nil		To: Nil	
Audio Record No		From: Nil		To: Nil	
Video Record No		From: Nil		To: Nil	
Main Activities during measurement		Nil		Duration Nil	
Lmax contributed by		Nil		Time Nil	

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	20-1-05
Checked By :	M Fan	Fan	20-1-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-01
Form No.: 002

Description of Fin	Size: 1m (L)			
Name of Concerned Road	Castle Peak Road (Castle Peak Bay Section)			
Location of Monitoring Site	Receiver – Before site: Flat B, 13/F, Block 6, Villa Tiara, Tuen Mun A1 (See Figure SF01 and Figure 2.8)			
	Receiver – After site: Flat B, 13/F, Block 6, Villa Tiara, Tuen Mun A2 (See Figure SF01 and Figure 2.8)			
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	20/1/2005			
Measurement Start Time (hh:mm)	17:00 to 17:30			
Measurement Time Length (min.)	30min			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.2		Receiver – After site: 0.2	
Air Temperature (°C)	Receiver – Before site: 19		Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: 75		Receiver – After site: 75	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)		Receiver Site (Floor no. 13B)			
		A1 (HD: 25 m; VD: 41 m)		A 2 (HD: 25 m; VD: 41 m)	
	L_{10} (dB(A))	72.1	71.8	71.7	71.6
	L_{90} (dB(A))	64.3	64.0	64.1	64.0
	L_{eq} (dB(A))	69.2	68.9	68.6	68.4
	L_{max} (dB(A))	85.1	85.0	84.2	83.7

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	20-1-05
Checked By :	M Fan	Fan	20-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location	Flat B, 13/F, Block 6, Villa Tiara, Tuen Mun (See Figure SF01 and Figure 2.8)			
Measurement Time DSU 1	From: 09:30		To: 09:45	
Measurement Time DSU 2	From: 09:45		To: 10:00	
Road Name/ Direction	Castle Peak Road (Castle Peak Bay Section)		~~N / E~~ / S / ~~W~~	Speed: ~50km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	61	57	66	56
Road Name/ Direction	Castle Peak Road (Castle Peak Bay Section)		N / ~~E / S / W~~	Speed: ~50km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	83	68	80	62
Measurement Time DSU 1	From: 17:00		To: 17:15	
Measurement Time DSU 2	From: 17:15		To: 17:30	
Road Name/ Direction	Castle Peak Road (Castle Peak Bay Section)		~~N / E~~ / S / ~~W~~	Speed: ~50km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	73	70	71	71
Road Name/ Direction	Castle Peak Road (Castle Peak Bay Section)		N / ~~E / S / W~~	Speed: ~50km/hr
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2
	88	95	85	82
Road Name/ Direction			N / E / S / W	Speed
Traffic Flow (veh)	(Light)		(Heavy)	
	DSU 1	DSU 2	DSU 1	DSU 2

Measurement Location Map

(See Figure SF01 and Figure 2.8)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Layout Plan

Major Road Name: Castle Peak Road (Castle Peak Bay Section)
Mitigation Measure: ~~Noise Barrier/Enclosure/~~Architectural Fin/~~Balcony~~ (delete inappropriate)
Description: 1 m (L)

(See Figure SF01 and Figure 2.8)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Photos

A view of the subject road

A view of the architectural fin

Noise Measurement at A1 (without fins)

Noise Measurement at A1 (without fins)

Noise measurement at A2 (with fins)

Noise measurement at A2 (with fins)

Hong Shui House, Tai Hong Street

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-02
Form No.: 005

Description of Fin	Size: 1m (L)			
Name of Concerned Road	Tai Hong Street			
Location of Monitoring Site	Receiver – Before site: 2/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A1 (See Figure SF02 and Figure 2.8)			
	Receiver – After site: 2/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A2 (See Figure SF02 and Figure 2.8)			
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	20/1/05			
Measurement Start Time (hh:mm)	09:30 to 10:00			
Measurement Time Length (min.)	30min			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5		Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: 19		Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: 75		Receiver – After site: 75	
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)		Receiver Site (Floor no. 2)			
		A 1 (HD: 5 m; VD: 4.5 m)		A 2 (HD: 5 m; VD: 4.5 m)	
	L_{10} (dB(A))	76	75.9	74.3	74.8
	L_{90} (dB(A))	68.8	68.7	67.2	67.7
	L_{eq} (dB(A))	73.6	73.8	71.9	71.8
	L_{max} (dB(A))	86.1	84.2	82.4	80.2

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	20-1-05
Checked By :	M Fan	Fan	20-1-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-02
Form No.: 006

Description of Fin	Size: 1m (L)		
Name of Concerned Road	Tai Hong Street		
Location of Monitoring Site	Receiver – Before site: 2/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A1 (See Figure SF02 and Figure 2.8)		
	Receiver – After site: 2/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A2 (See Figure SF02 and Figure 2.8)		
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil
	Receiver – After site	X: Nil	Y: Nil
Date of Monitoring	20/1/05		
Measurement Start Time (hh:mm)	16:30 to 17:00		
Measurement Time Length (min.)	30min		
Weather Condition	Fine		
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5	Receiver – After site: 0.5	
Air Temperature (°C)	Receiver – Before site: 19	Receiver – After site: 19	
Relative Humidity (%)	Receiver – Before site: 75	Receiver – After site: 75	

Cloud cover (%)	☐ > 80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0

Noise Meter Model/Serial no.	NL-31
Calibrator Model/Serial no.	NC-73

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)		Receiver Site (Floor no. 2)			
		A1 (HD: 5 m; VD: 4.5 m)		A2 (HD: 5 m; VD: 4.5 m)	
	L_{10} (dB(A))	74.6	75.1	74	73.9
	L_{90} (dB(A))	65.6	65.9	63.5	63.9
	L_{eq} (dB(A))	71.1	71.5	70.4	70.8
	L_{max} (dB(A))	84.1	85.2	81.4	82.4

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	20-1-05
Checked By :	M Fan	Fan	20-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		Tai Hong Street, Shau Kei Wan (See Figure SF02 and Figure 2.8)			
Measurement Time	DSU 1	From: 09:30		To: 09:45	
	DSU 2	From: 09:45		To: 10:00	
Road Name/ Direction		Lei King Road		N / E / S / W	Speed: 45 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		60	48	27	24
Road Name/ Direction		Tai Hong Street		N / E / S / W	Speed: 43 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		60	75	58	64
Measurement Time	DSU 1	From: 16:30		To: 16:45	
	DSU 2	From: 16:45		To: 17:00	
Road Name/ Direction		Lei King Road		N / E / S / W	Speed: 46 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		47	53	36	40
Road Name/ Direction		Tai Hong Street		N / E / S / W	Speed: 45 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		85	67	60	52
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

(See Figure SF02 and Figure 2.8)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Layout Plan

Major Road Name: Tai Hong Street
Mitigation Measure: ~~Noise Barrier/Enclosure/~~Architectural Fin/~~Balcony~~ (delete inappropriate)
Description: 1 m (L)

(See Figure SF02 and Figure 2.8)

X - Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Photos


General View of the concerned road


Noise measurement at A2 (with fins)


Noise Measurement at A2 (with fins)


Noise Measurement at A1 (without fins)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-02
Form No.: 007

<table>
<tr><td>Description of Fin</td><td colspan="4">Size: 1m (L)</td></tr>
<tr><td>Name of Concerned Road</td><td colspan="4">Tai Hong Street</td></tr>
<tr><td rowspan="2">Location of Monitoring Site</td><td colspan="4">Receiver – Before site: 3/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A1 (See Figure SF02 and Figure 2.8)</td></tr>
<tr><td colspan="4">Receiver – After site: 3/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A2 (See Figure SF02 and Figure 2.8)</td></tr>
<tr><td rowspan="2">Measurement Location in “1980 Grid”</td><td>Receiver – Before site</td><td>X: Nil</td><td colspan="2">Y: Nil</td></tr>
<tr><td>Receiver – After site</td><td>X: Nil</td><td colspan="2">Y: Nil</td></tr>
<tr><td>Date of Monitoring</td><td colspan="4">20/1/05</td></tr>
<tr><td>Measurement Start Time (hh:mm)</td><td colspan="4">10:00 to 10:30</td></tr>
<tr><td>Measurement Time Length (min.)</td><td colspan="4">30min</td></tr>
<tr><td>Weather Condition</td><td colspan="4">Fine</td></tr>
<tr><td>Wind Speed (ms^{-1}) & Direction</td><td colspan="2">Receiver – Before site: 0.5</td><td colspan="2">Receiver – After site: 0.5</td></tr>
<tr><td>Air Temperature (°C)</td><td colspan="2">Receiver – Before site: 19</td><td colspan="2">Receiver – After site: 19</td></tr>
<tr><td>Relative Humidity (%)</td><td colspan="2">Receiver – Before site: 75</td><td colspan="2">Receiver – After site: 75</td></tr>
<tr><td>Cloud cover (%)</td><td>☐ >80 for 100% measurement time</td><td>☐ 50 – 80 for at least 80% measurement time</td><td>☑ < 50 for at least 80% measurement time</td><td>☐ 0</td></tr>
<tr><td>Noise Meter Model/Serial no.</td><td colspan="4">NL-31</td></tr>
<tr><td>Calibrator Model/Serial no.</td><td colspan="4">NC-73</td></tr>
</table>

<table>
<tr><td rowspan="6">Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)</td><td rowspan="2"></td><td colspan="4">Receiver Site (Floor no. 3)</td></tr>
<tr><td colspan="2">A 1 (HD: 5 m; VD: 7.5 m)</td><td colspan="2">A 2 (HD: 5 m; VD: 7.5 m)</td></tr>
<tr><td>L_{10} (dB(A))</td><td>75.4</td><td>75.7</td><td>73.9</td><td>74.7</td></tr>
<tr><td>L_{90} (dB(A))</td><td>68.1</td><td>68.2</td><td>66.4</td><td>66.6</td></tr>
<tr><td>L_{eq} (dB(A))</td><td>73.1</td><td>73.2</td><td>72.3</td><td>72.3</td></tr>
<tr><td>L_{max} (dB(A))</td><td>84</td><td>84.9</td><td>84.1</td><td>83.6</td></tr>
</table>

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	20-1-05
Checked By :	M Fan	Fan	20-1-05

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Ref. No.: SF-02
Form No.: 008

Description of Fin	Size: 1m (L)			
Name of Concerned Road	Tai Hong Street			
Location of Monitoring Site	Receiver – Before site: 3/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A1 (See Figure SF02 and Figure 2.8)			
	Receiver – After site: 3/F, Hong Shui House, Hong Tong Estate, Shau Kei Wan A2 (See Figure SF02 and Figure 2.8)			
Measurement Location in "1980 Grid"	Receiver – Before site	X: Nil	Y: Nil	
	Receiver – After site	X: Nil	Y: Nil	
Date of Monitoring	20/1/05			
Measurement Start Time (hh:mm)	17:00 to 17:30			
Measurement Time Length (min.)	30min			
Weather Condition	Fine			
Wind Speed (ms^{-1}) & Direction	Receiver – Before site: 0.5	Receiver – After site: 0.5		
Air Temperature (°C)	Receiver – Before site: 19	Receiver – After site: 19		
Relative Humidity (%)	Receiver – Before site: 75	Receiver – After site: 75		
Cloud cover (%)	☐ >80 for 100% measurement time	☐ 50 – 80 for at least 80% measurement time	☑ < 50 for at least 80% measurement time	☐ 0
Noise Meter Model/Serial no.	NL-31			
Calibrator Model/Serial no.	NC-73			

Measurement Results (Notes: Two 15min measurement results within 30min measurement time period are indicated for Locations A1 and A2)		Receiver Site (Floor no. 3)			
		A1 (HD: 5 m; VD: 7.5 m)		A 2 (HD: 5 m; VD: 7.5 m)	
	L_{10} (dB(A))	75.1	74.6	73.9	74
	L_{90} (dB(A))	66.5	66.2	65.9	65.3
	L_{eq} (dB(A))	72	71.4	71.8	70.9
	L_{max} (dB(A))	86	84.7	85.6	83.1

Major Activity During Monitoring	Nil	Start (hh:mm) Nil End (hh:mm) Nil
Noise Measurement Record No	From: Nil	To: Nil
Photo Record No.	From: Nil	To: Nil
Audio Record No	From: Nil	To: Nil
Video Record No	From: Nil	To: Nil
Main Activities during measurement	Nil	Duration Nil
Lmax contributed by	Nil	Time Nil

Remark:

* HD/VD = Horizontal/Vertical Distance from road kerb

	Name & Designation	Signature	Date
Recorded By :	P F Yeung	Yeung	20-1-05
Checked By :	M Fan	Fan	20-1-05

Traffic Flow Survey Record Sheet (Noise Mitigation Measure for Noise Barrier)

Monitoring Location		Tai Hong Street, Shau Kei Wan (See Figure SF02 and Figure 2.8)			
Measurement Time	**DSU 1**	From: 10:00		To: 10:15	
	DSU 2	From: 10:15		To: 10:30	
Road Name/ Direction		Lei King Road		N / E / S / W	Speed: 45 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		43	41	29	36
Road Name/ Direction		Tai Hong Street		N / E / S / W	Speed: 43 km/hr
Traffic Flow (veh)		(Light)		(Heavy)	
		DSU 1	**DSU 2**	**DSU 1**	**DSU 2**
		70	65	64	71
Measurement Time	**DSU 1**	From: 17:00		To: 17:15	
	DSU 2	From: 17:15		To: 17:30	
Road Name/ Direction		Lei King Road		N / E / S / W	Speed: 46 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		51	42	40	33
Road Name/ Direction		Tai Hong Street		N / E / S / W	Speed: 45 km/hr
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**
		63	61	71	59
Road Name/ Direction				N / E / S / W	Speed
		(Light)		(Heavy)	
Traffic Flow (veh)		**DSU 1**	**DSU 2**	**DSU 1**	**DSU 2**

Measurement Location Map

(See Figure SF02 and Figure 2.8)

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

Layout Plan

Major Road Name: Tai Hong Street
Mitigation Measure: ~~Noise Barrier/Enclosure/~~Architectural Fin/~~Balcony~~ (delete inappropriate)
Description: 1 m (L)

(See Figure SF02 and Figure 2.8)

X – Measurement Location

Noise Monitoring Field Record Sheet (Noise Mitigation Measure for Architectural Fin)

<u>**Photos**</u>

General View of the concerned road

Noise measurement at A2 (with fins)

Noise measurement at A2 (with fins)

Noise Measurement at A1 (without fins)

	Location	Road (1)	Road (2)	Building (1)	Building (2)	Building (3)	Building (4)	Building (5)
1	Ching Yung House	Tsing Yi Road		Tsing Yung House	Market			
2	King Yung House	Po Shun Road	Po Ning Road	King Yung House	Fai Ming Court	Ka Ming Court		
3	Sheung Lai House	Tong Ming Street	Po Hong Road / Tong Chung Street	Sheung Chi House	Sheung Lai House	Sheung Tak Shopping Centre	Beverly Garden 1 & 10	Chi Lin P School
4	Yan Shek House	Tung Chi Street	Lei Muk Road	Yan Shek House	Chi Shek House	N Kwai Chung Market	Fortuna House	Kwai Po Building
5	Ng Ka Tsuen	Kam Tin Road		Village House 1, Ko Po Chuen				
6	Oi Yee House	Wong Chu Road	Hoi Wing Road	Oi Yee House	Oi Shun House			

			Hourly Traffic Flow (vehicles / hour), % of heavy vehciles, speed				Receiver Height, mpd	Reference Height, mpd
			AM, Near Side	AM, Far Side	PM, Near Side	PM, Far Side		
1	Ching Yung House	Tsing Yi Road	1074, 58.8%, 60km/h		1094, 63%, 58km/h		32.1, 37.7, 46.1	35.9
2	King Yung House	Po Shun Road (Enclosure)	1090, 42.3%, 48km/h		1582, 34.3%, 47km/h		29.0, 40.2, 54.2	24.1
		Po Shun Road	836, 55%, 48km/h		1188, 43%, 47km/h			
		Po Shun Road (Roundabout)	836, 55%, 40km/h		1188, 43%, 40km/h			
		Po Ning Road	1100, 58%, 47km/h		1244, 45%, 46km/h			
3	Sheung Lai House	Tong Ming Street	178, 55%, 48km/h	190, 48.4%, 51km/h	196, 53%, 50km/h	180, 44%, 53km/h	41.8, 54.8, 69.8	23.4
		Po Hong Road	332, 52%, 48km/h	440, 52%, 48km/h	340, 51%, 48km/h	424, 48%, 48km/h		
		Tong Chung Street	150, 37%, 45km/h		162, 41%, 52km/h			
4	Yan Shek House	Tung Chi Street	92, 30%, 50km/h	230, 62%, 50km/h	106, 49%, 49km/h	246, 63%, 49km/h	85.2, 99.2, 118.8	79.9
		Lei Muk Road	280, 52%, 53km/h		350, 47%, 52km/h			
5	Ng Ka Tsuen	Kam Tin Road	918, 38%, 48km/h	764, 42%, 48km/h	880, 49%, 45km/h	852, 52%, 45km/h	6.8, 9.4	13
6	Oi Yee House	Wong Chu Road	1884, 72.6%, 72km/h	1288, 78.6%, 69km/h	1606, 70.6%, 73km/h	1422, 75.5%, 72km/h	17.7, 34.5, 51.3	15.4
		Wong Chu Road (Slip)	312, 70.5%, 50km/h		404, 68.3%, 50km/h			
		Hoi Wing Road	534, 48.7%, 52km/h		558, 60.9%, 50km/h			

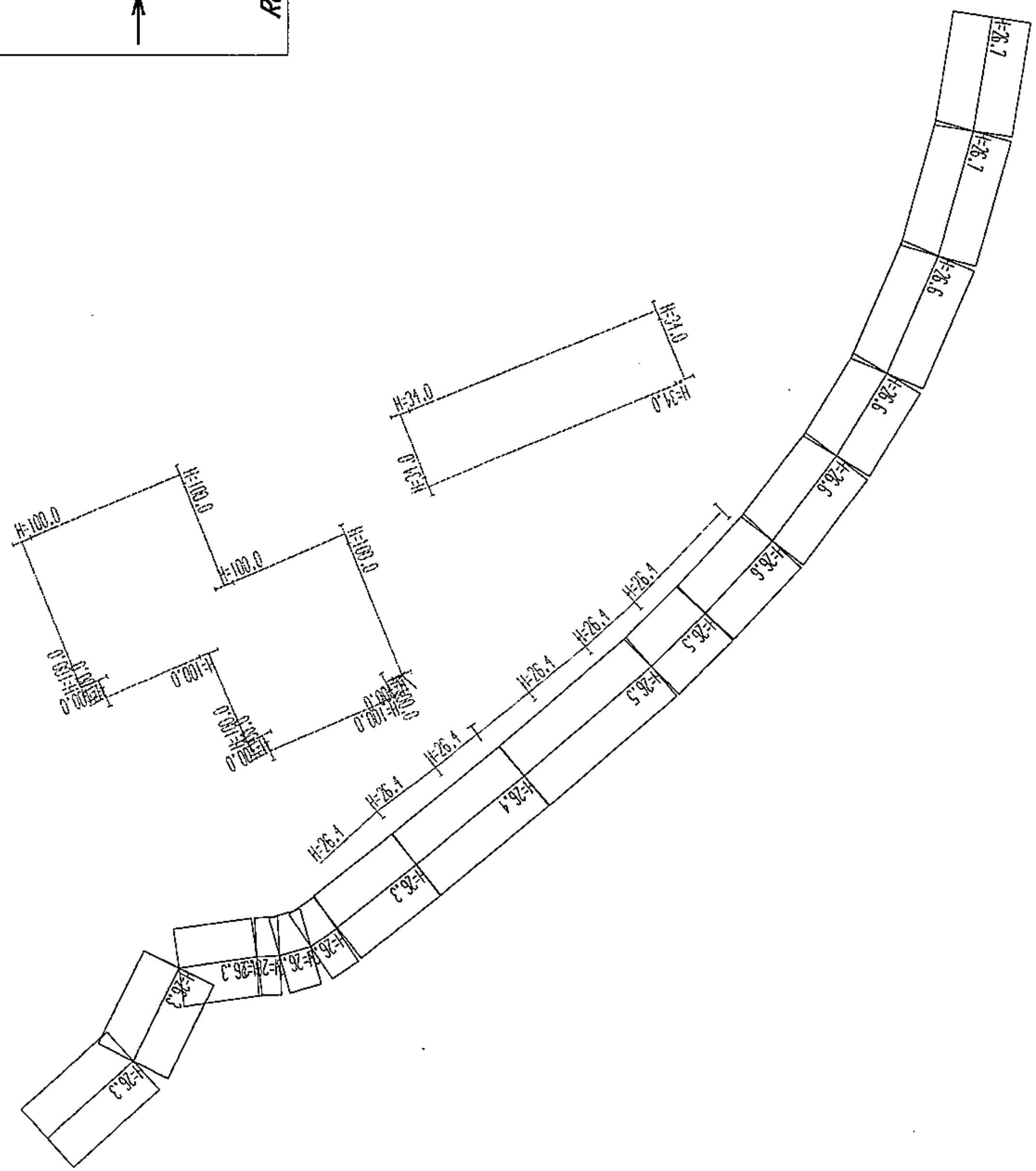
Note :
1. Gradients are inputted in accordance to local topography.

Ching Yung House
Unmitigated

Scale 1 : 1500.0 11:58:11 18/08/2005

N

RoadNoise

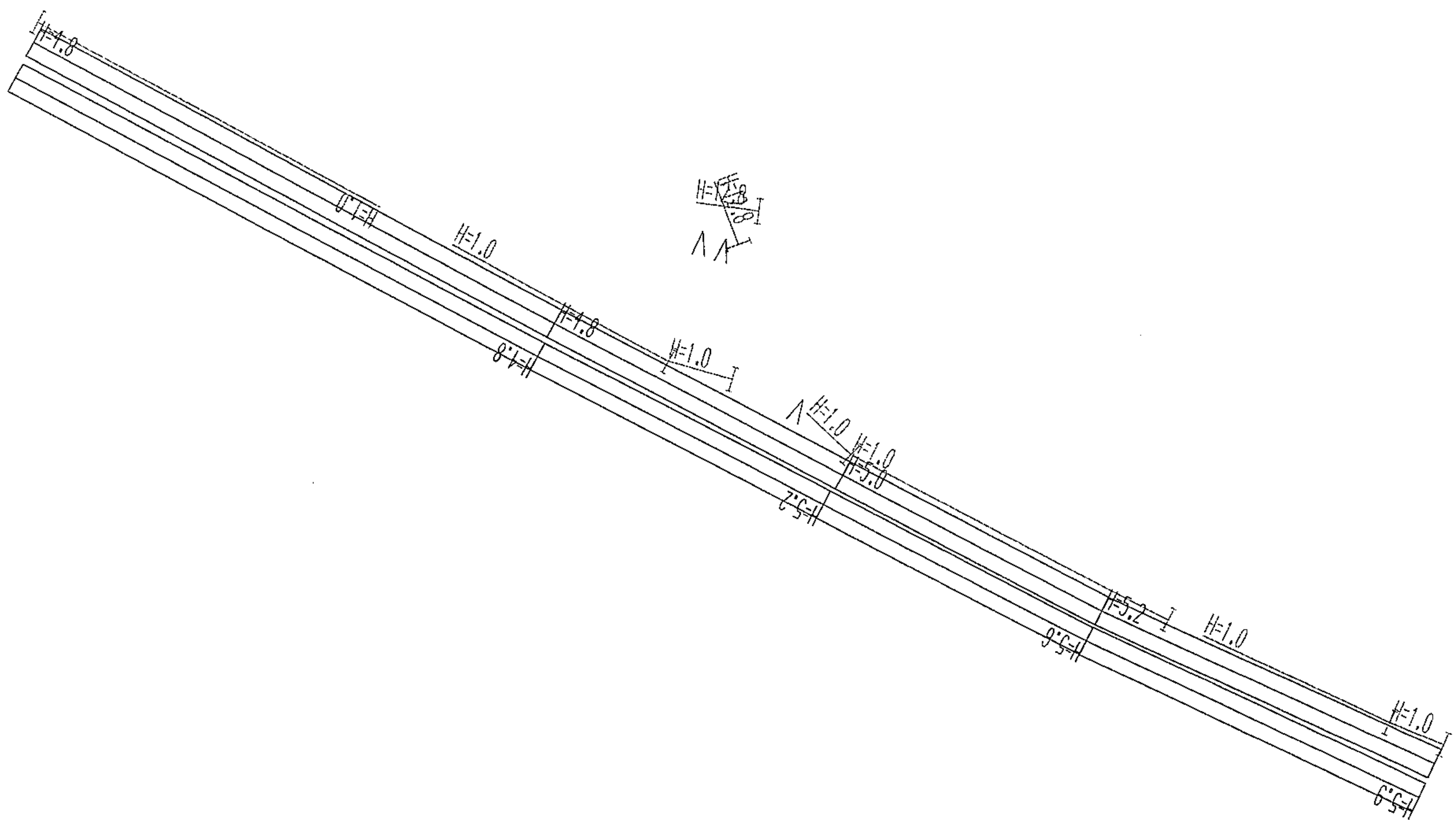


KAM TIN
Unmitigated

Scale 1 : 1000.0 11:56:38 18/08/2005

N

RoadNoise

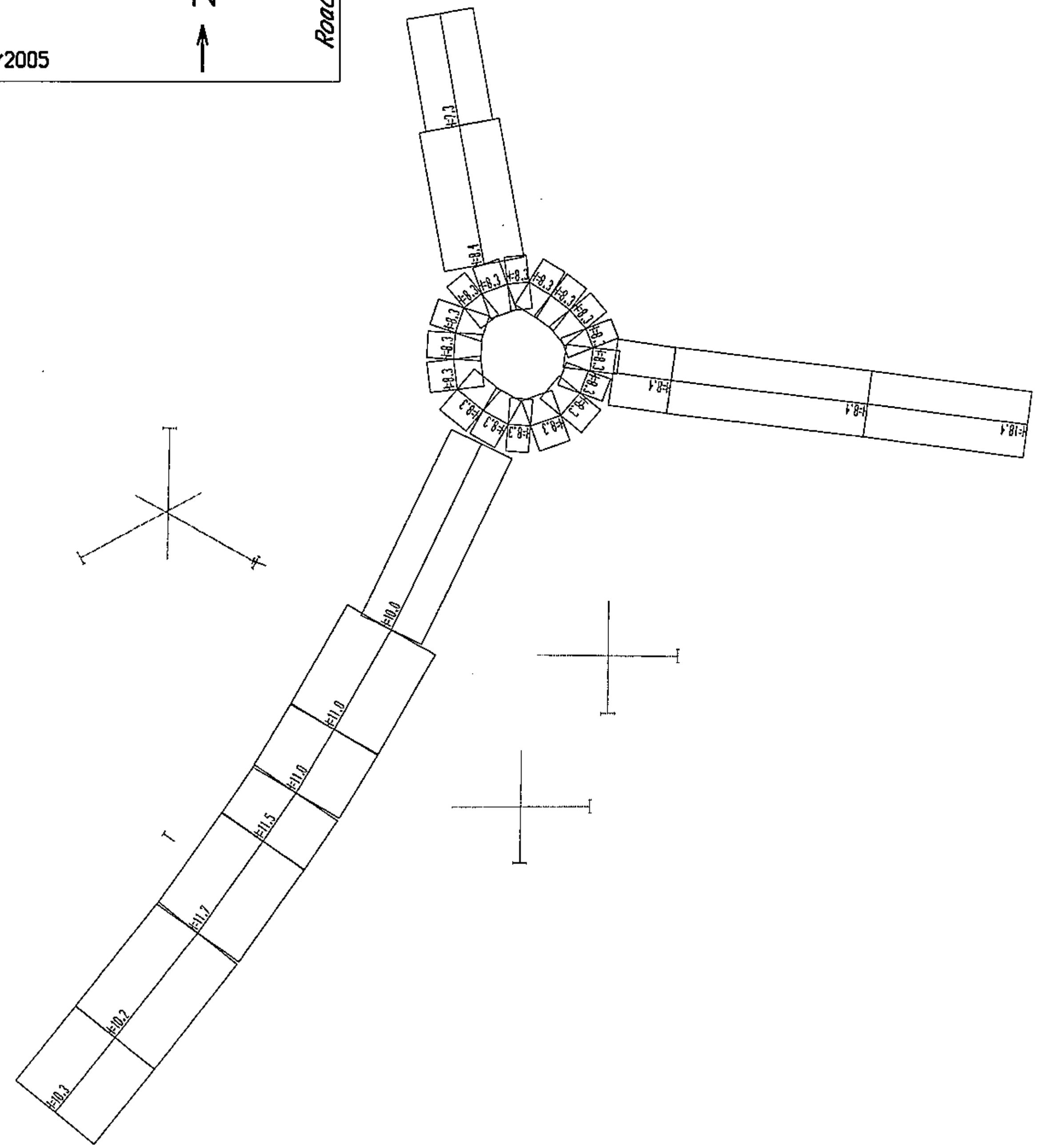


King Yung House
Unmitigated

Scale 1 : 2000.0 11:51:13 18/08/2005

N

RoadNoise



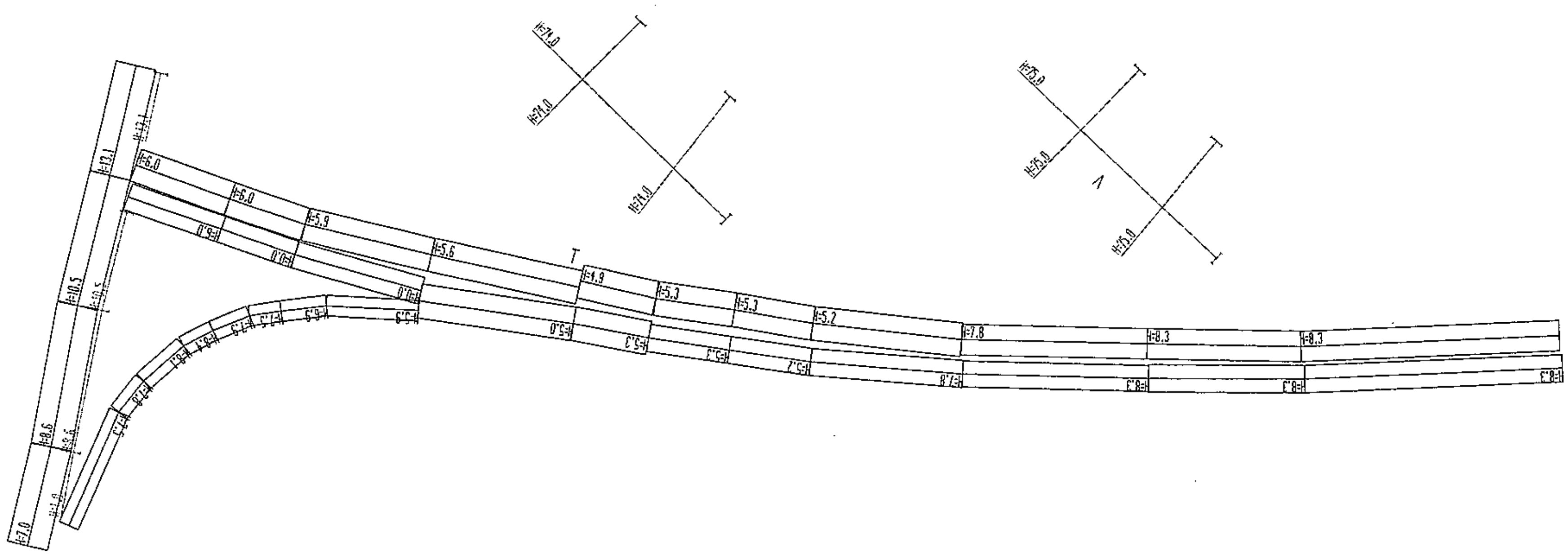
Oi Yee House

Unmitigated

Scale 1 : 2000.0 11:59:17 18/08/2005

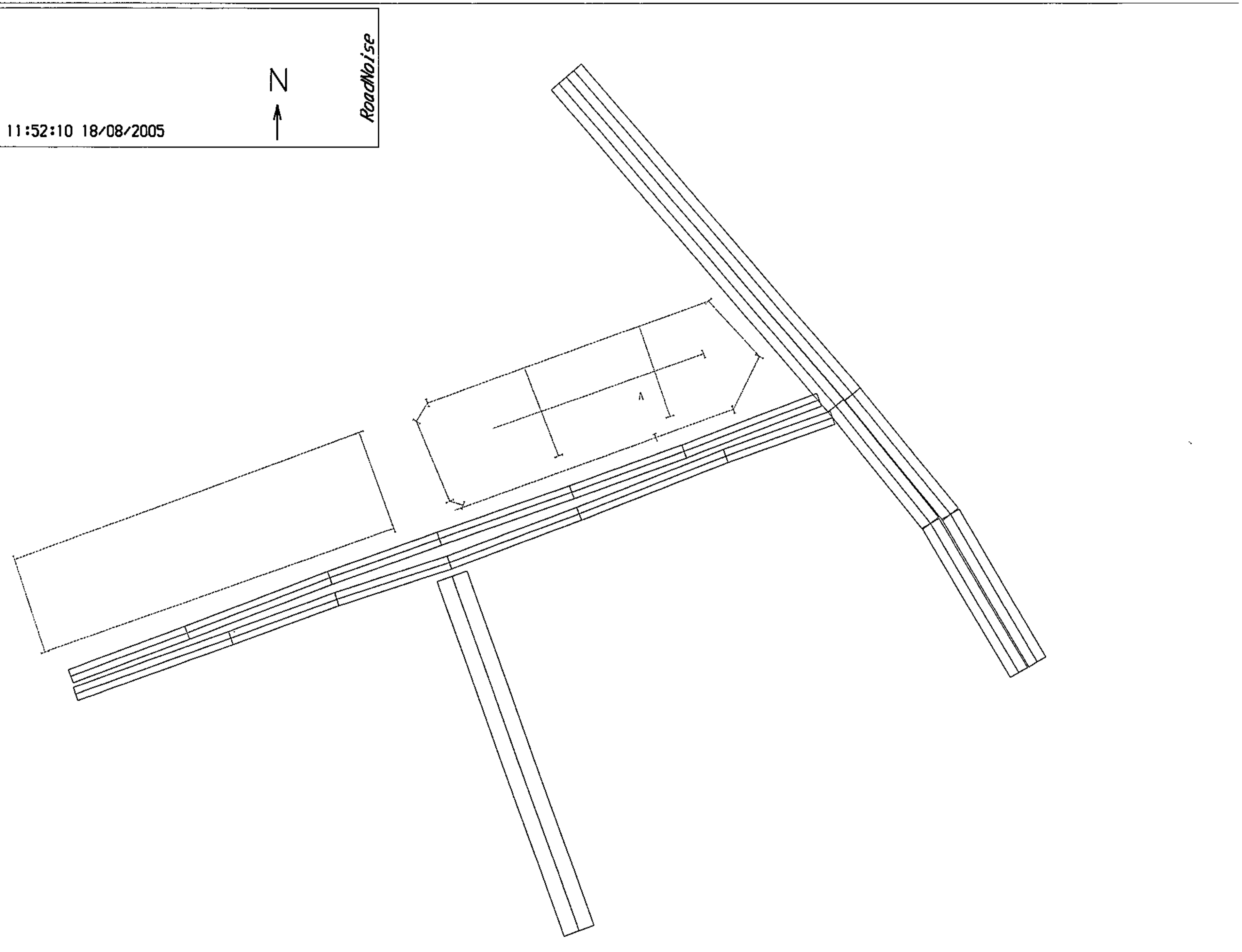
N

RoadNoise



Sheung Lai House
Unmitigated

Scale 1 : 2500.0 11:52:10 18/08/2005

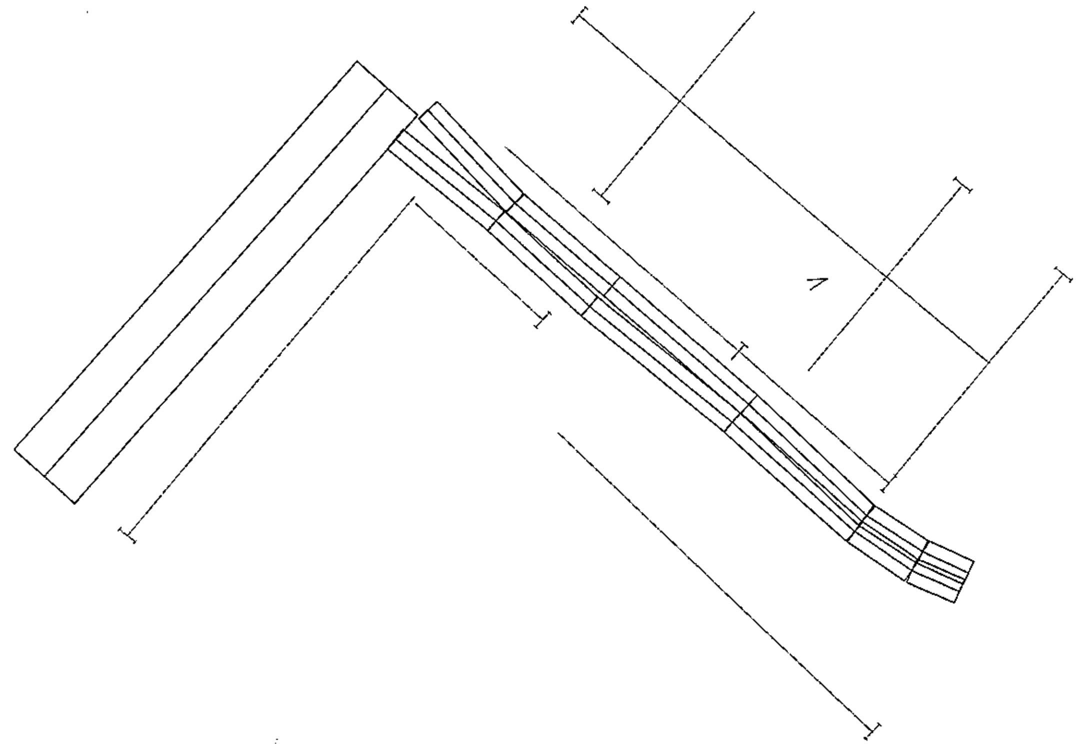


Yan Shek House
Unmitigated

Scale 1 : 1500.0 11:57:24 18/08/2005

N

RoadNoise



The following calculation methodology for a summary of measured noise levels applies to the sites listed below:

- Ting Kok Road near Po Sam Pai
- Castle Peak Road – Tai Lam Section, So Kwun Wat
- Fo Tan Road, Fo Tan
- Police School Road, Wong Chuk Hang
- Tung Wui Road, Kam Tin
- Kam Tin Road#
- Castle Peak Road - Siu Lam to So Kwun Wat

*** The following tables extracted from Appendix E.**
 # Noise levels of receiver sites at before site are predicted by models. "Before" reference noise levels are based on the corresponding measured "After" reference noise level.

AM
(e.g. 9:00 to 9:15)

		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. _)	B2 (Floor no. _)	B3 (Floor no. _)	A1 (Floor no. _)	A2 (Floor no. _)	A3 (Floor no. _)
		A	B	C	D	E	F	G	H
L_{10} (dB(A))	1								
	2								

AM
(e.g. 9:15 to 9:30)

		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. _)	B2 (Floor no. _)	B3 (Floor no. _)	A1 (Floor no. _)	A2 (Floor no. _)	A3 (Floor no. _)
		I	J	K	L	M	N	O	P
L_{10} (dB(A))	3								
	4								

PM
(e.g. 17:00 to 17:15)

		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. _)	B2 (Floor no. _)	B3 (Floor no. _)	A1 (Floor no. _)	A2 (Floor no. _)	A3 (Floor no. _)
		a	b	c	d	e	f	g	h
L_{10} (dB(A))	1								
	2								

PM
(e.g. 17:15 to 17:30)

		Reference Site		Receiver Site					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. _)	B2 (Floor no. _)	B3 (Floor no. _)	A1 (Floor no. _)	A2 (Floor no. _)	A3 (Floor no. _)
		i	j	k	l	m	n	o	p
L_{10} (dB(A))	3								
	4								

*** The table below is extracted from the report Section 3.3.2**

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	(A1+I3) / 2	(a1+i3) / 2	(A1+I3) / 2	(a1+i3) / 2
	"After"	(B1+J3) / 2	(b1+j3) / 2	(B1+J3) / 2	(b1+j3) / 2
Low Level	"Before"	(C1+K3) / 2	(c1+k3) / 2	(C2+K4) / 2	(c2+k4) / 2
	"After"	(F1+N3) / 2	(f1+n3) / 2	(F2+N4) / 2	(f2+n4) / 2
High Level	"Before"	(E1+M3) / 2	(e1+m3) / 2	(E2+M4) / 2	(e2+m4) / 2
	"After"	(H1+P3) / 2	(h1+p3) / 2	(H2+P4) / 2	(h2+p4) / 2

The following calculation methodology for a summary of measured noise levels applies to the sites listed below:

- Wong Tai Sin Road
- Sham Mong Road
- Tsing Yi Road #
- Po Shun Road #
- Wong Chu Road #
- Hiu Kwong Street
- Tong Ming Street #
- Tung Chi Street #
- Kwai Shing Circuit, Kwai Chung

*** The following tables extracted from Appendix E.**
 # Noise levels of receiver sites at before site are predicted by models. "Before" reference noise levels are based on the corresponding measured "After" reference noise level.

AM
(e.g. 9:00 to 9:30)

		Reference Site		**Receiver Site**					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. _)	B2 (Floor no. _)	B3 (Floor no. _)	A1 (Floor no. _)	A2 (Floor no. _)	A3 (Floor no. _)
		A	**B**	**C**	**D**	**E**	**F**	**G**	**H**
L_{10} (dB(A))	1								
	2								

PM
(e.g. 17:00 to 17:30)

		Reference Site		**Receiver Site**					
		R 1 (B1/B2/B3)	R 2 (A1/A2/A3)	B1 (Floor no. _)	B2 (Floor no. _)	B3 (Floor no. _)	A1 (Floor no. _)	A2 (Floor no. _)	A3 (Floor no. _)
		i	**j**	**k**	**l**	**m**	**n**	**o**	**p**
L_{10} (dB(A))	3								
	4								

*** The table below is extracted from the report Section 3.3.2**

Location		**Average of Measured Noise Levels, L_{10}, dB(A)**	
		Receiver site	
		A.M.	**P.M.**
Reference site	"Before"	(A1+A2) / 2	(i3+i4) / 2
	"After"	(B1+B2) / 2	(j3+j4) / 2
Low Level	"Before"	(C1+C2) / 2	(k3+k4) / 2
	"After"	(F1+F2) / 2	(n3+n4) / 2
Mid Level	"Before"	(D1+D2) / 2	(l3+l4) / 2
	"After"	(G1+G2) / 2	(o3+o4) / 2
High Level	"Before"	(E1+E2) / 2	(m3+m4) / 2
	"After"	(H1+H2) / 2	(p3+p4) / 2

The following calculation methodology for a <u>summary of measured noise levels</u> applies to the sites <u>with balcony</u> listed below:

- Sun View Garden, Sheung Shing Street
- Paradise Square, Kwong Wai Street
- Marigold Mansions, Shun Yung Street

*** The following tables extracted from Appendix E.**

AM

		R 1 (Floor no. __)		A 1 (Floor no. __)		A 2 (Floor no. __)	
		A	**B**	**C**	**D**	**E**	**F**
L_{10} (dB(A))	1						

PM

		R 1 (Floor no. __)		A 1 (Floor no. __)		A 2 (Floor no. __)	
		a	**b**	**c**	**d**	**e**	**f**
L_{10} (dB(A))	1						

*** The table below is extracted from the report Section 3.3.2**

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Floor	Reference position	(A1+B1) / 2	(a1+b1) / 2
	Receiver position (indoor 1m from balcony)	(C1+D1) / 2	(c1+d1) / 2
	Receiver position (indoor 1m from window)	(E1+F1) / 2	(e1+f1) / 2

The following calculation methodology for a <u>summary of measured noise levels</u> applies to the sites <u>with structural fins</u> listed below:

- Villa Tiara near Castle Peak Road
- Hong Shui House, Tai Hong Street

*** The following tables extracted from Appendix E.**

AM

		A 1 (Floor no. __)		A 2 (Floor no. __)	
		A	**B**	**C**	**D**
L_{10} (dB(A))	1				

PM

		A 1 (Floor no. __)		A 2 (Floor no. __)	
		a	**b**	**c**	**d**
L_{10} (dB(A))	1				

*** The table below is extracted from the report Section 3.3.2**

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Floor	Reference position ("Before")	(A1+B1) / 2	(a1+b1) / 2
	Receiver position ("After")	(C1+D1) / 2	(c1+d1) / 2

The following calculation methodology for <u>Insertion Losses</u> applies to the sites listed below:

- Ting Kok Road near Po Sam Pai
- Castle Peak Road – Tai Lam Section, So Kwun Wat
- Fo Tan Road, Fo Tan
- Police School Road, Wong Chuk Hang
- Tung Wui Road, Kam Tin
- Kam Tin Road
- Castle Peak Road - Siu Lam to So Kwun Wat

*** The table below is extracted from the report Section 3.3.2**

Location		Average of Measured Noise Levels, L_{10}, dB(A)			
		Receiver site 1		Receiver site 2	
		A.M.	P.M.	A.M.	P.M.
Reference site	"Before"	A1	B1	C1	D1
	"After"	A2	B2	C2	D2
Low Level	"Before"	A3	B3	C3	D3
	"After"	A4	B4	C4	D4
High Level	"Before"	A5	B5	C5	D5
	"After"	A6	B6	C6	D6

*** The table below is extracted from the report Section 3.3.3**

Location		Averaged Barrier Insertion Loss, dB(A)
Receiver 1	Low Level	[(A2-(A4-6))-(A1-(A3-6)) + (B2-(B4-6))-(B1-(B3-6))] / 2
	High Level	[(A2-(A6-6))-(A1-(A5-6)) + (B2-(B6-6))-(B1-(B5-6))] / 2
Receiver 2	Low Level	[(C2-(C4-6))-(C1-(C3-6)) + (D2-(D4-6))-(D1-(D3-6))] / 2
	High Level	[(C2-(C6-6))-(C1-(C5-6)) + (D2-(D6-6))-(D1-(D5-6))] / 2

The following calculation methodology for <u>Insertion Losses</u> applies to the sites listed below:

- Wong Tai Sin Road
- Sham Mong Road
- Tsing Yi Road #
- Po Shun Road #
- Wong Chu Road #
- Hiu Kwong Street
- Tong Ming Street #
- Tung Chi Street #
- Kwai Shing Circuit, Kwai Chung

*** The table below is extracted from the report Section 3.3.2**

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		Receiver site	
		A.M.	P.M.
Reference site	"Before"	A1	B1
	"After"	A2	B2
Low Level	"Before"	A3	B3
	"After"	A4	B4
Mid Level	"Before"	A5	B5
	"After"	A6	B6
High Level	"Before"	A7	B7
	"After"	A8	B8

*** The table below is extracted from the report Section 3.3.3**

Location		Averaged Barrier Insertion Loss, dB(A)
Receiver	Low Level	[(A2-(A4-6))-(A1-(A3-6)) + (B2-(B4-6))-(B1-(B3-6))] / 2
	Mid Level	[(A2-(A6-6))-(A1-(A5-6)) + (B2-(B6-6))-(B1-(B5-6))] / 2
	High Level	[(A2-(A8-6))-(A1-(A7-6)) + (B2-(B8-6))-(B1-(B7-6))] / 2

The following calculation methodology for Insertion Losses applies to the sites with balcony listed below:

- Sun View Garden, Sheung Shing Street
- Paradise Square, Kwong Wai Street
- Marigold Mansions, Shun Yung Street

*** The table below is extracted from the report Section 3.3.2**

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Floor	Reference position	A1	B1
	Receiver position (indoor 1m from balcony)	A2	B2
	Receiver position (indoor 1m from window)	A3	B3

*** The table below is extracted from the report Section 3.3.3**

Location		Averaged Insertion Loss, dB(A)
Receiver	Floor	[(A3-A2) + (B3-B2)] / 2

The following calculation methodology for Insertion Losses applies to the sites with structural fins listed below:

- Villa Tiara near Castle Peak Road
- Hong Shui House, Tai Hong Street

*** The table below is extracted from the report Section 3.3.2**

Location		Average of Measured Noise Levels, L_{10}, dB(A)	
		A.M.	P.M.
Floor	Reference position ("Before")	A1	B1
	Receiver position ("After")	A2	B2

*** The table below is extracted from the report Section 3.3.3**

Location		Averaged Insertion Loss, dB(A)
Receiver	Floor	[(A1-A2) + (B1-B2)] / 2

Sites 1 & 2 – Ting Kok Road near Po Sam Pai

Receivers	Angle of View (degrees)	Correction (by Chart 7 of CRTN)
"Before" site	175	– 0.1 dB(A)
"After" site	125	– 1.6 dB(A)

Therefore, the measured noise levels of the receivers at the "before" site should be reduced by –0.1-(-1.6) dB(A) = 1.5 dB(A).

Sites 3 & 4 – Castle Peak Road, Tai Lam

Receivers	Slant Distance from source (m)	Correction (by Chart 7 of CRTN)
"Before" site	22	– 2.1 dB(A)
"After" site	29	– 3.3 dB(A)

Therefore, the measured noise levels of the receivers at the "before" site should be reduced by –2.1-(-3.3) dB(A) = 1.2 dB(A).

Sites 5 & 6 – Fo Tan Road
Correction of Traffic Flow
AM

Receivers	Average Traffic Flow (veh/hr)	Predicted Basic Noise Level (by Chart 2 of CRTN)
"Before" site	1982	75.17 dB(A)
"After" site	3664	77.84 dB(A)

Therefore, the measured noise levels of the receivers at the "before" site should be increased by 77.17 – 75.17 dB(A) = 2.7 dB(A).

PM

Receivers	AverageTraffic Flow (veh/hr)	Predicted Basic Noise Level (by Chart 2 of CRTN)
"Before" site	1406	73.7 dB(A)
"After" site	2968	76.9 dB(A)

Therefore, the measured noise levels of the receivers at the "before" site should be increased by 76.9 – 73.7 dB(A) = 3.2 dB(A).

Sites 13 & 14 – Sham Mong Road, Sham Shui Po

Receivers	Angle of View (degrees)	Correction (by Chart 7 of CRTN)
"Before" site	75	– 3.8 dB(A)
"After" site	135	– 1.2 dB(A)

Therefore, the measured noise levels of the receivers at the "after" site should be reduced by –1.2-(-3.8) dB(A) = 2.6 dB(A).

Noise Correction on Reverberation Effect for Balcony

	Marigold Mansions				Sun View Garden		Paradise Square	
	4/F		6/F		6/F		19/F	
Frequency	Before	After	Before	After	Before	After	Before	After
500	2.17	4.95	2.26	5.6	4.07	5.15	2.03	5.12
630	1.89	4.77	1.99	4.5	3.76	4.97	1.85	4.56
800	1.53	4.63	1.65	4.14	3.39	4.83	1.59	4.74
1k	1.22	3.93	1.33	3.09	3.29	4.13	1.29	4.06
1.25k	1.01	3.31	0.98	2.34	1.73	3.51	0.99	3.45
1.6k	0.89	2.06	0.77	2.07	1.71	2.26	0.84	2.21
2k	0.61	1.51	0.54	1.24	1.14	1.71	0.61	1.66
2.5k	0.42	0.71	0.49	0.75	0.71	0.91	0.41	0.85
3.15k	0.25	0.24	0.31	0.45	0.38	0.44	0.32	0.41
average, s	1.11	2.90111	1.14667	2.68667	2.24222	3.10111	1.103333	3.006667

Marrigold Garden

		Length	Width	Height	Volume	Time	Sabrine Coefficien t	Correction
4/F	Before (A2)	3	2.5	2.8	21	1.11	3.027027	0.6
	After (A1)	4.5	5	2.8	63	2.90111	3.474531	
6/F	Before (A2)	3	2.5	2.8	21	1.14667	2.930233	1.1
	After (A1)	4.5	5	2.8	63	2.68667	3.751861	

SunView Garden

		Length	Width	Height	Volume	Time	Sabrine Coefficien t	Correction
6/F	Before (A2)	3	3.5	2.8	29.4	2.24222	2.097919	3.2
	After (A1)	6	5	2.8	84	3.10111	4.33393	

Paradise Square

		Length	Width	Height	Volume	Time	Sabrine Coefficien t	Correction
19/F	Before (A2)	3	3	2.8	25.2	1.10333	3.654381	0.6
	After (A1)	7	4	2.8	78.4	3.00667	4.172062	