

Appendix 7.4.4 Correction for Scaling Up to the Busiest Day (Based on the Busiest Dates Profile in Year 2011) for Peak Ground Noise Assessment

The busiest day, which represents the worst day scenario, has been scaled (based on the busiest dates profile in Year 2011) for peak ground noise assessment. Details of the busiest dates in Year 2011 were summarized in **Table 1**.

Table 1: Busiest Dates Profile in Year 2011

Day rank	ATM	Date	Cause	Notes	ATM Ratio ^[1]	Correction for Scaling Up to the Busiest Bay (or 10 log(ATM Ratio)), dBA	
Busiest day	1,099	30-Sep-11	Friday	Typhoon	The day after typhoon No.8	1.133	+0.5
2nd busiest	997	22-Apr-11	Friday	Holiday	First day of Easter public holiday	1.028	+0.1
3rd busiest	991	11-Aug-11	Thursday	Summer	Thursday of second week in August	1.022	+0.1
4th busiest	986	23-Dec-11	Friday	Holiday	Two days before Christmas	1.016	+0.1
5th busiest	985	22-Dec-11	Thursday	Holiday	Three days before Christmas	1.015	+0.1
6th busiest	981	28-Oct-11	Friday	-	Unknown	1.011	0.0
7th busiest	978	8-Jul-11	Friday	Summer	Friday of second week in July	1.008	0.0
8th busiest	978	18-Aug-11	Thursday	Summer	Thursday of third week in August	1.008	0.0
9th busiest	978	24-Dec-11	Saturday	Holiday	Christmas Eve	1.008	0.0
10th busiest	976	28-Jul-11	Thursday	Typhoon	Typhoon No.3	1.006	0.0
11th busiest	976	15-Dec-11	Thursday	Holiday	Thursday of third week in December	1.006	0.0
12th busiest	976	16-Dec-11	Friday	Holiday	Friday of third week in December	1.006	0.0
13th busiest	975	30-Jun-11	Thursday	Holiday	One day before the Hong Kong SAR Government Establishment Day	1.005	0.0
14th busiest	975	16-Jul-11	Saturday	Summer	Saturday of third week in July	1.005	0.0
15th busiest	975	1-Oct-11	Saturday	Holiday	National Day	1.005	0.0
16th busiest	972	17-Dec-11	Saturday	Holiday	Saturday of third week in December	1.002	0.0
17th busiest	971	19-Aug-11	Friday	Summer	Friday of third week in August	1.001	0.0
18th busiest	971	26-Aug-11	Friday	Summer	Friday of fourth week in August	1.001	0.0
19th busiest	970	3-Dec-11	Saturday	Holiday	Saturday of first week in December	1.000	0.0

Note [1]: Reference to the ATM at the busy day (defined as "the second busiest day in an average week during the peak month (excluding special events such as religious festivals, trade fairs, conventions and sport events)") which is identified as the 19th busiest day within Year 2011.