

Appendix 6.8 Calculation for Airborne Rail Noise Assessment for SCL (MKK - HUH) - Unmitigated Scenario

Shun Man House (South Block) (OM1a) Noise Levels
0700-2300

Track Segment	Uptrack											Downtrack													
	1	2	3	4	5	6	7	8a	8b	9	10	11	1	2	3	4	5	6	7	8a	8b	9	10	11	
Chainage start	100737	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150	
Chainage end	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150	101174	
Segment length	44	38	36	35	60	48	27	8	71	31	20	19	44	38	36	35	60	48	27	8	56	20	49	24	
Angle Start	5	6	6	7	12	15	20	24	30	70	110	131	5	5	6	6	12	15	19	23	28	34	65	130	
Angle End	6	6	7	8	15	20	24	30	70	110	131	146	5	6	6	7	15	19	23	28	34	65	130	147	
B1 (Slope) Barrier Height, m									18.7	18.7	18.7	18.7									18.7	18.7	18.7	18.7	
B2 (Parapet/Tunnel) Barrier to Source Distance, m									22.0	22.0	22.0	22.0									18.0	18.0	18.0	18.0	
B3 (Noise Barrier) Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8					9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8					
Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.6	6.6					2.3	1.0	3.5	2.3	1.0	0.9	2.6	2.6					
Receiver Height, m	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	
Receiver to Source Distance, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	16.2	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	10.0	8.8	15.3	18.7	18.7	18.7	18.7	
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.5	12.1	22.0	22.0	22.0	21.0	2.3	1.0	3.5	2.3	1.0	0.9	2.6	4.4	18.0	18.0	18.0	17.0	
Path Length Difference, m	0.2	131.2	(0.0)	0.3	136.8	2.2	1.1	2.7	1.1	1.1	1.1	1.3	1.1	132.5	0.3	1.5	138.4	4.4	2.7	5.6	1.6	1.6	1.6	1.9	
Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	
Vert Dist, m	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	
Hori Dist, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
Slant Dist, m	44.4	43.3	42.2	40.8	46.3	45.2	44.7	44.7	44.7	44.7	44.7	41.8	40.6	39.5	38.0	43.0	41.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	
Angle of View, °	0.5	0.5	0.5	1.0	3.0	5.0	4.0	6.0	4.0	4.0	21.0	15.0	0.5	0.5	0.5	1.0	3.0	4.5	4.0	5.0	6.0	31.0	65.0	17.0	
Angle of Orientation of the Segment, α°	5.3	5.8	6.3	7.0	13.5	17.5	22.0	27.0	50.0	90.0	59.5	41.5	4.8	5.3	5.8	6.5	13.0	16.8	21.0	25.5	31.0	49.5	82.5	41.5	
Wheel/Rail Noise Contribution																									
Reference Lmax (25m Setback&130kph), dB(A)	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
Reference SEL (25m Setback&130kph), dB(A)	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
Speed Correction, dB(A)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	
Distance Correction, dB(A)	(2.5)	(2.4)	(2.3)	(2.1)	(2.7)	(2.6)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(2.2)	(2.1)	(2.0)	(1.8)	(2.4)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	
Angle of View Correction, dB(A)	(43.3)	(42.6)	(41.8)	(37.8)	(27.4)	(23.0)	(22.1)	(18.6)	(5.9)	(3.7)	(7.7)	(11.4)	(44.2)	(43.3)	(42.6)	(38.5)	(27.7)	(23.8)	(22.5)	(19.9)	(17.5)	(7.1)	(2.0)	(10.8)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Track Wear Correction, dB(A)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Turnout Correction, dB(A)									7.0	7.0		7.0											7.0		
Slab Track Correction, dB(A)	2.5	2.5	2.5	2.5	2.5								2.5	2.5	2.5	2.5	2.5								
Reflection Correction, dB(A)										1.5	1.5	1.5											1.5	1.5	1.5
Screening Correction, dB(A)	(12.3)	(21.0)	(2.7)	(14.4)	(21.0)	(20.6)	(18.3)	(21.0)	(18.3)	(18.3)	(18.9)	(18.3)	(18.3)	(21.0)	(13.6)	(19.2)	(21.0)	(21.0)	(21.0)	(21.0)	(19.5)	(19.5)	(19.5)	(20.1)	
SEL of the Segment, dB(A)	26.3	18.6	37.7	30.1	33.4	35.9	39.1	46.9	62.2	58.9	62.0	52.8	19.7	18.0	26.4	25.0	33.4	34.9	36.4	38.9	42.8	61.8	59.9	52.5	
SEL of Single PassBy (Wheel/Rail Noise), dB(A)	66.3											64.3													
AC Noise Contribution																									
Reference Lmax (15m Setback&130kph), dB(A)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
Reference SEL (25m Setback&130kph), dB(A)	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
Duration Correction, dB(A)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	
Distance Correction, dB(A)	(2.2)	(2.1)	(2.0)	(1.9)	(2.5)	(2.4)	(2.3)	(2.3)	(2.3)	(2.3)	(2.3)	(1.9)	(1.8)	(1.7)	(1.5)	(2.1)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	
Angle of View Correction, dB(A)	(43.3)	(42.6)	(41.8)	(37.8)	(27.4)	(23.0)	(22.1)	(18.6)	(5.9)	(3.7)	(7.7)	(11.4)	(44.2)	(43.3)	(42.6)	(38.5)	(27.7)	(23.8)	(22.5)	(19.9)	(17.5)	(7.1)	(2.0)	(10.8)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Screening Correction, dB(A)																									
SEL of the Segment, dB(A)	22.3	23.2	24.0	28.1	37.9	42.5	43.4	46.9	59.6	61.8	57.8	53.1	21.7	22.7	23.6	27.9	38.0	42.0	43.4	46.0	48.3	58.8	63.9	54.0	
SEL of Single PassBy (A/C Noise), dB(A)	65.2											65.6													
Total Noise Contribution																									
Total SEL of Single PassBy, dB(A)	68.8											68.0													
Train Frequency, No. of Train per 30min	15.0											15.0													
SEL of the Track (Multiple PassBy), dB(A)	80.6											79.8													
Leq,30min of the Track, dB(A)	48.0											47.2													
Leq,30min, dB(A)	50.6																								
+ 5 Floors, + 14 m																									
Receiver Height, m	46.8	45.3	43.8	41.8	39.8	37.8	36.8	36.8	36.8	36.8	36.8	36.8	46.8	45.3	43.8	41.8	39.8	37.8	36.8	36.8	36.8	36.8	36.8	36.8	
Receiver to Source Distance, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8	18.7	18.7	18.7	18.7	
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.5	6.5	22.0	22.0	22.0	21.0	2.3	1.0	3.5	2.3	1.0	0.9	2.6	2.6	18.0	18.0	18.0	17.0	
Path Length Difference, m	(0.0)	107.6	(0.4)	0.0	115.6	0.8	0.2	0.2	(0.1)	(0.1)	(0.1)	(0.0)	0.4	107.9	0.0	0.5	116.2	2.5	1.2	1.2	(0.0)	(0.0)	(0.0)	0.0	
Slant Dist, m	55.5	54.3	53.0	51.4	55.3	53.9	53.2	53.2	53.2	53.2	53.2	53.2	53.5	52.2	50.9	49.2	52.6	51.1	50.4	50.4	50.4	50.4	50.4	50.4	
Distance Correction, dB(A)	(3.5)	(3.4)	(3.3)	(3.1)	(3.4)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.2)	(3.1)	(2.9)	(3.2)	(3.1)	(3.0)	(3.0)	(3.0)	(3.0)	(3.0)	(3.0)	
Screening Correction, dB(A)	(4.2)	(21.0)	(0.1)	(5.6)	(21.0)	(17.2)	(12.7)	(12.7)	(1.1)	(1.1)	(1.1)	(2.1)	(15.1)	(21.0)	(6.9)	(15.9)	(21.0)	(21.0)	(18.6)	(18.6)	(3.8)	(3.8)	(3.8)	(6.1)	
SEL of the Segment, dB(A)	33.5	17.6	39.3	37.9	32.6	38.5	43.9	54.4	78.7	75.4	78.4	68.8	21.9	17.0	32.0	27.2	32.5	34.1	38.0	40.5	57.7	76.6	74.7	65.6	
SEL of Single PassBy, dB(A)	82.7											79.0													
Distance Correction, dB(A)	(3.2)	(3.1)	(3.0)	(2.9)	(3.2)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.0)	(2.9)	(2.8)	(2.7)	(3.0)	(2.9)	(2.8)	(2.8)	(2.8)	(2.8)	(2.8)	(2.8)	
SEL of the Segment, dB(A)	21.3	22.2	23.0	27.1	37.2	41.7	42.7	46.1	58.9	61.1	57.1	52.4	20.6	21.6	22.5	26.7	37.1	41.2	42.6	45.1	47.5	58.0	63.1	53.2	
SEL of Single PassBy, dB(A)	64.5											64.8													
Total SEL of Single PassBy, dB(A)	82.7											79.2													
Leq,30min of the Track, dB(A), dB(A)	61.9											58.4													
Leq,30min, dB(A)	63.5																								
+ 10 Floors, + 28.0 m																									
Receiver Height, m	60.8	59.3	57.8	55.8	53.8	51.8	50.8	50.8	50.8	50.8	50.8	50.8	60.8	59.3	57.8	55.8	53.8	51.8	50.8	50.8	50.8	50.8	50.8	50.8	

Shun Man House (North Block) (OM1b) Noise Levels
0700-2300

Track Segment	Uptrack											Downtrack													
	1	2	3	4	5	6	7	8a	8b	9	10	11	1	2	3	4	5	6	7	8a	8b	9	10	11	
Chainage start	100737	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150	101174
Chainage end	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150	101174	
Segment length	44	38	36	35	60	48	27	8	71	31	20	19	44	38	36	35	60	48	27	8	56	20	49	24	
Angle Start	3	4	4	5	10	12	15	18	22	40	64	90	3	3	4	4	10	12	15	16	20	28	36	82	
Angle End	4	4	5	5	12	15	18	22	40	64	90	115	3	4	4	5	12	15	16	20	28	36	82	116	
B1 (Slope) Barrier Height, m									18.7	18.7	18.7	18.7									18.7	18.7	18.7	18.7	
B2 (Parapet/Tunnel) Barrier to Source Distance, m								22.0	22.0	22.0	22.0	21.0									18.0	18.0	18.0	17.0	
B3 (Noise Barrier) Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8					9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8					
Receiver Height, m	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	
Receiver to Source Distance, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	16.2	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	10.0	8.8	15.3	18.7	18.7	18.7	18.7	
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.5	12.1	22.0	22.0	22.0	21.0	2.3	1.0	3.5	2.3	1.0	0.9	2.6	4.4	18.0	18.0	18.0	17.0	
Path Length Difference, m	0.2	131.2	(0.0)	0.3	136.8	2.2	1.1	2.7	1.1	1.1	1.1	1.3	1.1	132.5	0.3	1.5	138.4	4.4	2.7	5.6	1.6	1.6	1.6	1.9	
Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	
Vert Dist, m	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	
Hori Dist, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
Slant Dist, m	44.4	43.3	42.2	40.8	46.3	45.2	44.7	44.7	44.7	44.7	44.7	44.7	41.8	40.6	39.5	38.0	43.0	41.8	41.3	41.3	41.3	41.3	41.3	41.3	
Angle of View, °	0.5	0.5	0.5	0.5	2.0	3.0	3.0	4.0	18.0	24.0	26.0	25.0	0.5	0.5	0.5	0.5	2.0	3.0	3.0	1.5	4.0	8.0	8.0	46.0	
Angle of Orientation of the Segment, α°	3.3	3.8	4.3	4.8	11.0	13.5	16.5	20.0	31.0	52.0	77.0	77.5	2.8	3.3	3.8	4.3	10.5	13.0	15.3	18.0	24.0	32.0	59.0	81.0	
Wheel/Rail Noise Contribution																									
Reference Lmax (25m Setback&130kph), dB(A)	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
Reference SEL (25m Setback&130kph), dB(A)	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
Speed Correction, dB(A)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	
Distance Correction, dB(A)	(2.5)	(2.4)	(2.3)	(2.1)	(2.7)	(2.6)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(2.2)	(2.1)	(2.0)	(1.8)	(2.4)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	
Angle of View Correction, dB(A)	(47.5)	(46.3)	(45.2)	(44.2)	(30.9)	(27.4)	(25.7)	(22.9)	(12.7)	(7.9)	(5.9)	(48.9)	(47.5)	(46.3)	(45.2)	(31.3)	(27.7)	(29.4)	(23.7)	(18.3)	(16.0)	(4.4)	(4.5)		
Facade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
Track Wear Correction, dB(A)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
Turnout Correction, dB(A)								7.0	7.0		7.0												7.0		
Slab Track Correction, dB(A)	2.5	2.5	2.5	2.5	2.5								2.5	2.5	2.5	2.5	2.5								
Reflection Correction, dB(A)										1.5	1.5	1.5										1.5	1.5	1.5	
Screening Correction, dB(A)	(12.3)	(21.0)	(2.7)	(14.4)	(21.0)	(20.6)	(18.3)	(21.0)	(18.3)	(18.3)	(18.9)	(18.3)	(21.0)	(21.0)	(13.6)	(19.2)	(21.0)	(21.0)	(21.0)	(21.0)	(19.5)	(19.5)	(19.5)	(20.1)	
SEL of the Segment, dB(A)	22.2	14.9	34.3	23.7	29.9	31.5	35.5	42.6	55.4	54.8	63.9	58.3	15.0	13.9	22.7	18.3	29.8	31.0	29.4	35.1	42.0	52.8	57.4	58.9	
SEL of Single PassBy (Wheel/Rail Noise), dB(A)	65.8											61.9													
AC Noise Contribution																									
Reference Lmax (15m Setback&130kph), dB(A)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0		
Reference SEL (25m Setback&130kph), dB(A)	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2		
Duration Correction, dB(A)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1		
Distance Correction, dB(A)	(2.2)	(2.1)	(2.0)	(1.9)	(2.5)	(2.4)	(2.3)	(2.3)	(2.3)	(2.3)	(2.3)	(1.9)	(1.8)	(1.7)	(1.5)	(2.1)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)		
Angle of View Correction, dB(A)	(47.5)	(46.3)	(45.2)	(44.2)	(30.9)	(27.4)	(25.7)	(22.9)	(12.7)	(7.9)	(5.9)	(48.9)	(47.5)	(46.3)	(45.2)	(31.3)	(27.7)	(29.4)	(23.7)	(18.3)	(16.0)	(4.4)	(4.5)		
Facade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
Screening Correction, dB(A)																									
SEL of the Segment, dB(A)	18.1	19.5	20.7	21.8	34.4	38.0	39.8	42.6	52.8	57.6	59.8	58.6	17.0	18.5	19.9	21.2	34.4	38.1	36.5	42.1	47.6	49.8	61.4	60.4	
SEL of Single PassBy (A/C Noise), dB(A)	64.0											64.3													
Total Noise Contribution																									
Total SEL of Single PassBy, dB(A)	68.0											66.2													
Train Frequency, No. of Train per 30min	15.0											15.0													
SEL of the Track (Multiple PassBy), dB(A)	79.8											78.0													
Leq,30min of the Track, dB(A)	47.2											45.4													
Leq,30min, dB(A)	49.4																								
+ 5 Floors, + 14 m																									
Receiver Height, m	46.8	45.3	43.8	41.8	39.8	37.8	36.8	36.8	36.8	36.8	36.8	36.8	46.8	45.3	43.8	41.8	39.8	37.8	36.8	36.8	36.8	36.8	36.8		
Receiver to Source Distance, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4		
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8	18.7	18.7	18.7		
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.5	6.5	22.0	22.0	22.0	21.0	2.3	1.0	3.5	2.3	1.0	0.9	2.6	2.6	18.0	18.0	17.0		
Path Length Difference, m	(0.0)	107.6	(0.4)	0.0	115.6	0.8	0.2	0.2	(0.1)	(0.1)	(0.1)	(0.0)	0.4	107.9	0.0	0.5	116.2	2.5	1.2	1.2	(0.0)	(0.0)	(0.0)	0.0	
Slant Dist, m	55.5	54.3	53.0	51.4	55.3	53.9	53.2	53.2	53.2	53.2	53.2	53.2	53.5	52.2	50.9	49.2	52.6	51.1	50.4	50.4	50.4	50.4	50.4		
Distance Correction, dB(A)	(3.5)	(3.4)	(3.3)	(3.1)	(3.4)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.2)	(3.1)	(2.9)	(3.2)	(3.1)	(3.0)	(3.0)	(3.0)	(3.0)	(3.0)		
Screening Correction, dB(A)	(4.2)	(21.0)	(0.1)	(5.6)	(21.0)	(17.2)	(12.7)	(12.7)	(1.1)	(1.1)	(1.1)	(2.1)	(15.1)	(21.0)	(6.9)	(15.9)	(2.0)	(21.0)	(18.6)	(3.8)	(3.8)	(3.8)	(6.1)		
SEL of the Segment, dB(A)	29.4	13.9	36.0	31.5	29.1	34.1	40.3	50.1	71.9	71.2	80.4	74.3	17.2	12.8	28.3	20.5	28.9	30.2	31.0	36.7	56.9	67.7	72.3	71.9	
SEL of Single PassBy, dB(A)	82.2											75.9													
Distance Correction, dB(A)	(3.2)	(3.1)	(3.0)	(2.9)	(3.2)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.0)	(2.9)	(2.8)	(2.7)	(3.0)	(2.9)	(2.8)	(2.8)	(2.8)	(2.8)	(2.8)		
SEL of the Segment, dB(A)	17.1	18.5	19.7	20.8	33.7	37.3	39.1	41.9	52.1	56.9	59.1	57.9	15.9	17.4	18.8	20.0	33.5	37.2	35.6	41.3	46.7	49.0	60.6	59.5	
SEL of Single PassBy, dB(A)	63.2											63.4													
Total SEL of Single PassBy, dB(A)	82.2											76.1													
Leq,30min of the Track, dB(A), dB(A)	61.4											55.3													
Leq,30min, dB(A)	62.4																								
+ 10 Floors, + 28.0 m																									
Receiver Height, m	60.8	59.3	57.8	55.8	53.8	51.8	50.8	50.8	50.8	50.8	50.8	50.8	60.8	59.3	57.8	55.8	53.8	51.8	50.8	50.8	50.8	50.8	50.8		
Receiver to Source Distance, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4		
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8	18.7	18.7	18.7	18.7</													

Carmel Secondary School (OM4b) Noise Levels
0700-2300

Track Segment	Uptrack											Downtrack												
	1	2	3	4	5	6	7	8a	8b	9	10	11	1	2	3	4	5	6	7	8a	8b	9	10	11
Chainage start	100737	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150
Chainage end	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150	101174
Segment length	44	38	36	35	60	48	27	8	71	31	20	19	44	38	36	35	60	48	27	8	56	20	49	24
Angle Start	11	12	14	17	24	37	60	81	103	138	148	154	10	12	14	16	23	36	59	80	105	128	138	154
Angle End	12	14	17	20	37	60	81	103	138	148	154	157	12	14	16	19	36	59	80	105	128	138	154	158
B1 (Slope) Barrier Height, m						48.9	48.9	18.7	18.7	18.7	18.7	18.7						48.9	48.9	18.7	18.7	18.7	18.7	18.7
B2 (Parapet/Tunnel) Barrier to Source Distance, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8					9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8				
B3 (Noise Barrier) Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.6	6.6					2.3	1.0	3.5	2.3	1.0	0.9	2.6	2.6				
Receiver Height, m	59.2	57.7	56.2	54.2	52.2	50.2	49.2	49.2	49.2	49.2	49.2	49.2	59.2	57.7	56.2	54.2	52.2	50.2	49.2	49.2	49.2	49.2	49.2	49.2
Receiver to Source Distance, m	56.0	56.0	56.0	56.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	52.0	52.0	52.0	52.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	48.9	48.4	8.8	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	43.2	47.9	8.8	18.7	18.7	18.7	18.7
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	5.0	36.0	6.6	23.0	23.0	23.0	22.0	2.3	1.0	3.5	2.3	1.0	3.9	13.9	2.5	19.0	19.0	19.0	18.0
Path Length Difference, m	0.2	89.0	(0.0)	0.2	96.5	27.0	7.7	0.5	0.0	0.0	0.0	0.1	1.2	88.6	0.3	1.4	96.4	21.9	18.5	1.8	0.2	0.2	0.2	0.3
Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0
Vert Dist, m	59.2	57.7	56.2	54.2	52.2	50.2	49.2	49.2	49.2	49.2	49.2	49.2	59.2	57.7	56.2	54.2	52.2	50.2	49.2	49.2	49.2	49.2	49.2	49.2
Hori Dist, m	56.0	56.0	56.0	56.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	52.0	52.0	52.0	52.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
Slant Dist, m	81.5	80.4	79.3	77.9	83.1	81.8	81.2	81.2	81.2	81.2	81.2	81.2	78.8	77.7	76.6	75.1	80.0	78.7	78.1	78.1	78.1	78.1	78.1	78.1
Angle of View, °	1.5	2.0	2.5	3.5	13.0	23.0	21.0	22.0	34.5	10.5	5.5	3.5	1.5	2.0	2.5	3.0	13.0	23.0	21.0	25.0	23.0	10.0	16.0	3.5
Angle of Orientation of the Segment, α°	11.3	13.0	15.3	18.3	30.5	48.5	70.5	88.0	59.8	37.3	29.3	24.8	10.8	12.5	14.8	17.5	29.5	47.5	69.5	87.5	63.5	47.0	34.0	24.3
Wheel/Rail Noise Contribution																								
Reference Lmax (25m Setback&130kph), dB(A)	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
Reference SEL (25m Setback&130kph), dB(A)	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
Speed Correction, dB(A)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)
Distance Correction, dB(A)	(5.1)	(5.1)	(5.0)	(4.9)	(5.2)	(5.1)	(5.1)	(5.1)	(5.1)	(5.1)	(5.1)	(5.1)	(5.0)	(4.9)	(4.8)	(4.8)	(5.1)	(5.0)	(4.9)	(4.9)	(4.9)	(4.9)	(4.9)	(4.9)
Angle of View Correction, dB(A)	(32.0)	(29.5)	(27.2)	(24.2)	(14.3)	(8.5)	(6.9)	(6.2)	(5.5)	(13.7)	(18.4)	(21.7)	(32.4)	(29.8)	(27.5)	(25.2)	(14.5)	(8.6)	(7.0)	(5.7)	(7.0)	(12.3)	(12.5)	(21.9)
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Track Wear Correction, dB(A)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Turnout Correction, dB(A)								7.0	7.0		7.0											7.0		
Slab Track Correction, dB(A)	2.5	2.5	2.5	2.5	2.5								2.5	2.5	2.5	2.5	2.5							
Reflection Correction, dB(A)										1.5	1.5	1.5										1.5	1.5	1.5
Screening Correction, dB(A)	(12.6)	(21.0)	(2.7)	(13.3)	(21.0)	(21.0)	(21.0)	(15.7)	(7.7)	(7.7)	(9.8)		(18.7)	(21.0)	(14.0)	(19.0)	(21.0)	(21.0)	(21.0)	(20.0)	(12.6)	(12.6)	(12.6)	(14.0)
SEL of the Segment, dB(A)	34.8	28.9	49.6	42.0	44.0	47.4	49.0	62.0	70.6	56.9	59.3	49.0	28.5	28.7	38.2	35.5	43.9	47.4	49.1	51.4	57.5	60.6	53.4	44.8
SEL of Single PassBy (Wheel/Rail Noise), dB(A)	71.7											63.6												
AC Noise Contribution																								
Reference Lmax (15m Setback&130kph), dB(A)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
Reference SEL (25m Setback&130kph), dB(A)	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
Duration Correction, dB(A)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1
Distance Correction, dB(A)	(5.0)	(4.9)	(4.9)	(4.8)	(5.1)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(4.8)	(4.8)	(4.7)	(4.6)	(4.9)	(4.8)	(4.8)	(4.8)	(4.8)	(4.8)	(4.8)	(4.8)
Angle of View Correction, dB(A)	(32.0)	(29.5)	(27.2)	(24.2)	(14.3)	(8.5)	(6.9)	(6.2)	(5.5)	(13.7)	(18.4)	(21.7)	(32.4)	(29.8)	(27.5)	(25.2)	(14.5)	(8.6)	(7.0)	(5.7)	(7.0)	(12.3)	(12.5)	(21.9)
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Screening Correction, dB(A)																								
SEL of the Segment, dB(A)	30.9	33.4	35.8	38.8	48.5	54.3	55.9	56.6	57.3	49.1	44.5	40.1	30.6	33.2	35.7	38.0	48.4	54.4	56.1	57.4	56.1	50.7	50.5	40.1
SEL of Single PassBy (A/C Noise), dB(A)	62.7											62.9												
Total Noise Contribution																								
Total SEL of Single PassBy, dB(A)	72.2											66.3												
Train Frequency, No. of Train per 30min	15.0											15.0												
SEL of the Track (Multiple PassBy), dB(A)	84.0											78.0												
Leq,30min of the Track, dB(A)	51.4											45.5												
Leq,30min, dB(A)	52.4																							
+ 3 Floors, + 8.4 m																								
Receiver Height, m	67.6	66.1	64.6	62.6	60.6	58.6	57.6	57.6	57.6	57.6	57.6	57.6	67.6	66.1	64.6	62.6	60.6	58.6	57.6	57.6	57.6	57.6	57.6	57.6
Receiver to Source Distance, m	56.0	56.0	56.0	56.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	52.0	52.0	52.0	52.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	48.9	11.8	8.8	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	10.0	10.3	8.8	18.7	18.7	18.7	
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	5.0	8.8	6.6	23.0	23.0	23.0	22.0	2.3	1.0	3.5	2.3	1.0	0.9	3.0	2.6	19.0	19.0	19.0	
Path Length Difference, m	0.1	78.0	(0.1)	0.1	86.2	22.3	0.4	0.3	(0.0)	(0.0)	(0.0)	(0.0)	0.9	77.1	0.2	1.0	85.7	2.7	1.7	1.4	0.0	0.0	0.0	0.0
Slant Dist, m	87.8	86.6	85.5	84.0	88.6	87.2	86.6	86.6	86.6	86.6	86.6	86.6	85.3	84.1	82.9	81.4	85.7	84.3	83.6	83.6	83.6	83.6	83.6	
Distance Correction, dB(A)	(5.5)	(5.4)	(5.3)	(5.3)	(5.5)	(5.4)	(5.4)	(5.4)	(5.4)	(5.4)	(5.4)	(5.4)	(5.3)	(5.3)	(5.2)	(5.1)	(5.4)	(5.3)	(5.2)	(5.2)	(5.2)	(5.2)	(5.2)	
Screening Correction, dB(A)	(9.9)	(21.0)	(1.3)	(10.6)	(21.0)	(21.0)	(14.7)	(13.6)	(1.9)	(1.9)	(1.9)	(3.1)	(17.7)	(21.0)	(12.2)	(18.0)	(21.0)	(21.0)	(19.6)	(19.1)	(6.3)	(6.3)	(8.6)	
SEL of the Segment, dB(A)	37.2	28.6	50.7	44.4	43.7	47.1	55.0	63.8	76.1	62.5	64.8	55.4	29.1	28.4	39.6	36.2	43.6	47.1	50.2	52.0	63.6	66.7	59.5	49.9
SEL of Single PassBy, dB(A)	76.9											69.2												
Distance Correction, dB(A)	(5.3)	(5.3)	(5.2)	(5.1)	(5.4)	(5.3)	(5.3)	(5.3)	(5.3)	(5.3)	(5.3)	(5.3)	(5.2)	(5.1)	(5.1)	(5.0)	(5.2)	(5.1)	(5.1)	(5.1)	(5.1)	(5.1)	(5.1)	
SEL of the Segment, dB(A)	30.5	33.1	35.5	38.5	48.2	54.1	55.7	56.4	57.0	48.9	44.2	39.9	30.3	32.9	35.3	37.6	48.1	54.1	55.8	57.1	55.8	50.4	50.2	39.8
SEL of Single PassBy, dB(A)	62.4											62.6												
Total SEL of Single PassBy, dB(A)	77.0											70.1												
Leq,30min of the Track, dB(A)	56.3											49.3												
Leq,30min, dB(A)	57.0																							

Wylie Court, Block C (HH1) Noise Levels
0700-2300

Track Segment	Uptrack											Downtrack												
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11		
Chainage start	100737	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101081	101101	101150		
Chainage end	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101081	101101	101150	101174		
Segment length	44	38	36	35	60	48	27	79	31	20	19	44	38	36	35	60	48	27	56	20	49	24		
Angle Start	38	45	53	61	69	90	108	116	135	140	143	39	46	53	61	70	90	108	115	130	134	141		
Angle End	45	53	61	73	90	108	116	135	140	143	145	46	53	61	74	90	108	115	130	134	141	144		
B1 (Slope) Barrier Height, m								18.4	13.0	12.0	11.0								18.4	13.0	12.0	11.0		
B2 (Parapet/Tunnel) Barrier to Source Distance, m								35.2	18.9	11.3	9.4								39.2	22.9	15.3	13.4		
B3 (Noise Barrier) Barrier Height, m	9.4	100.0	6.7	5.1	100.0							9.4	100.0	6.7	5.1	100.0								
B3 (Noise Barrier) Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0							6.3	1.0	8.2	6.3	1.0								
Receiver Height, m	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9		
Receiver to Source Distance, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1		
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0				35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0				39.2	22.9	15.3	13.4
Path Length Difference, m	5.6	110.0	2.6	2.5	113.5				2.8	2.6	3.8	3.8	3.4	109.7	1.3	1.0	113.1				2.4	2.1	2.8	2.7
Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	
Vert Dist, m	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9		
Hori Dist, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1		
Slant Dist, m	156.8	156.5	156.2	155.8	153.5	153.0	153.0	153.0	153.0	153.0	153.0	160.7	160.4	160.1	159.7	157.4	157.1	156.9	156.9	156.9	156.9	156.9	156.9	
Angle of View, °	7.0	7.5	8.0	12.5	21.0	17.6	7.6	19.0	5.0	2.5	2.5	7.0	7.0	7.0	8.0	12.5	20.5	17.5	7.5	15.0	4.0	7.0	3.0	
Angle of Orientation of the Segment, α°	41.5	48.8	56.5	66.8	79.5	80.8	68.2	54.5	42.5	38.8	36.3	42.5	49.5	57.0	67.3	79.8	81.3	68.8	57.5	48.0	42.5	37.5		
Wheel/Rail Noise Contribution																								
Reference Lmax (25m Setback&130kph), dB(A)	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3		
Reference SEL (25m Setback&130kph), dB(A)	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8		
Speed Correction, dB(A)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)		
Distance Correction, dB(A)	(8.0)	(8.0)	(8.0)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(8.1)	(8.1)	(8.1)	(8.1)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)		
Angle of View Correction, dB(A)	(14.7)	(13.3)	(12.1)	(9.4)	(6.5)	(7.3)	(11.4)	(8.6)	(16.0)	(19.7)	(20.2)	(14.5)	(13.5)	(12.1)	(9.3)	(6.6)	(7.3)	(11.4)	(9.3)	(16.1)	(14.5)	(19.1)		
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
Track Wear Correction, dB(A)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
Turnout Correction, dB(A)									7.0	7.0												7.0		
Slab Track Correction, dB(A)	2.5	2.5	2.5	2.5	2.5							2.5	2.5	2.5	2.5	2.5								
Reflection Correction, dB(A)									1.5	1.5	1.5											1.5	1.5	1.5
Screening Correction, dB(A)	(21.0)	(21.0)	(21.0)	(20.9)	(21.0)	0.0	0.0	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	(18.9)	(18.1)	(21.0)	0.0	0.0	(20.9)	(20.3)	(21.0)	(21.0)		
SEL of the Segment, dB(A)	40.8	42.2	43.4	46.3	49.1	66.9	62.7	51.6	38.7	42.0	36.6	40.9	41.9	45.5	49.0	48.9	66.8	62.6	43.9	46.1	40.0	37.5		
SEL of Single PassBy (Wheel/Rail Noise), dB(A)	68.5											68.4												
AC Noise Contribution																								
Reference Lmax (15m Setback&130kph), dB(A)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0		
Reference SEL (25m Setback&130kph), dB(A)	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2		
Duration Correction, dB(A)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1		
Distance Correction, dB(A)	(8.0)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(8.1)	(8.1)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)		
Angle of View Correction, dB(A)	(14.7)	(13.3)	(12.1)	(9.4)	(6.5)	(7.3)	(11.4)	(8.6)	(16.0)	(19.7)	(20.2)	(14.5)	(13.5)	(12.1)	(9.3)	(6.6)	(7.3)	(11.4)	(9.3)	(16.1)	(14.5)	(19.1)		
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
Screening Correction, dB(A)																								
SEL of the Segment, dB(A)	45.2	46.6	47.8	50.6	53.4	52.7	48.6	51.4	44.0	40.3	38.8	45.3	46.3	47.7	50.5	53.2	52.6	48.4	50.6	43.8	45.4	39.7		
SEL of Single PassBy (A/C Noise), dB(A)	59.6											59.5												
Total Noise Contribution																								
Total SEL of Single PassBy, dB(A)	69.0											68.9												
Train Frequency, No. of Train per 30min	15.0											11.0												
SEL of the Track (Multiple PassBy), dB(A)	80.8											79.3												
Leq,30min of the Track, dB(A)	48.2											46.7												
Leq,30min, dB(A)	50.6																							
+ 5 Floors, + 15.0 m																								
Receiver Height, m	48.9	47.4	45.9	43.9	41.9	39.9	38.9	38.9	38.9	38.9	38.9	48.9	47.4	45.9	43.9	41.9	39.9	38.9	38.9	38.9	38.9	38.9		
Receiver to Source Distance, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1		
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0				35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0				39.2	22.9	15.3	13.4
Path Length Difference, m	4.8	100.7	2.0	2.0	104.2				1.4	1.6	2.8	2.9	2.7	100.6	0.9	0.7	104.0				1.1	1.1	1.9	1.8
Slant Dist, m	160.7	160.3	159.8	159.3	156.8	156.3	156.0	156.0	156.0	156.0	156.0	164.5	164.1	163.7	163.1	160.7	160.1	159.9	159.9	159.9	159.9	159.9		
Distance Correction, dB(A)	(8.1)	(8.1)	(8.1)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.2)	(8.2)	(8.2)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)		
Screening Correction, dB(A)	(21.0)	(21.0)	(20.3)	(20.3)	(21.0)	0.0	0.0	(19.1)	(19.6)	(21.0)	(21.0)	(21.0)	(21.0)	(17.6)	(16.8)	(21.0)	0.0	0.0	(18.3)	(18.4)	(20.1)	(20.0)		
SEL of the Segment, dB(A)	40.7	42.1	44.0	46.8	49.0	66.8	62.6	53.4	40.0	41.9	36.5	40.8	41.8	46.7	50.2	48.8	66.7	62.5	46.4	47.9	40.8	38.4		
SEL of Single PassBy, dB(A)	68.5											68.3												
Distance Correction, dB(A)	(8.1)	(8.0)	(8.0)	(8.0)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(8.2)	(8.1)	(8.1)	(8.1)	(8.1)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)		
SEL of the Segment, dB(A)	45.1	46.5	47.7	50.5	53.4	52.7	48.5	51.3	43.9	40.3	38.7	45.2	46.2	47.6	50.4	53.2	52.5	48.4	50.5	43.7	45.3	39.7		
SEL of Single PassBy, dB(A)	59.4											59.4												
Total SEL of Single PassBy, dB(A)	69.0											68.9												
Leq,30min of the Track, dB(A), dB(A)	48.2											46.7												
Leq,30min, dB(A)	50.5																							
+ 15 Floors, + 45.0 m																								
Receiver Height, m	78.9	77.4	75.9	73.9	71.9	69.9	68.9	68.9	68.9	68.9	68.9	78.9	77.4	75.9	73.9	71.9	69.9	68.9	68.9	68.9	68.9	68.9		
Receiver to Source Distance, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1		
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0				35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0				39.2	22.9	15.3	13.4
Path Length Difference, m	3.5	82.2	1.2	1.3	85.4				0.1	0.4	1.3	1.5	1.6	82.6										

Wing Fung Mansion (HH2) Noise Levels
0700-2300

Track Segment		Uptrack											Downtrack										
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11
Chainage start		100737	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101081	101101	101150
Chainage end		100781	100819	100855	100890	100950	100998	101025	101033	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101033	101101	101150	101174
Segment length		44	38	36	35	60	48	27	8	31	20	19	44	38	36	35	60	48	27	8	20	49	24
Angle Start		20	14	12	10	4	4	3	3	2	2	1	19	13	11	9	4	3	3	2	2	1	1
Angle End		32	20	14	12	6	4	4	3	3	2	2	31	19	13	11	6	4	3	3	2	2	1
B1 (Slope)	Barrier Height, m																						
	Barrier to Source Distance, m																						
	Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0						9.4	100.0	6.7	9.0	100.0	10.0					
B2 (Parapet/Tunnel)	Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9						2.3	1.0	3.5	2.3	1.0	0.9					
	Barrier Height, m																						
B3 (Noise Barrier)	Barrier to Source Distance, m																						
	Barrier Height, m																						
Receiver Height, m		11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7
Receiver to Source Distance, m		31.5	31.5	31.5	31.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	27.5	27.5	27.5	27.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Equivalent Barrier Height, m		9.4	100.0	6.7	9.0	100.0	10.0						9.4	100.0	6.7	9.0	100.0	10.0					
Equivalent Barrier to Source Distance, m		6.3	1.0	7.5	6.3	1.0	4.9						2.3	1.0	3.5	2.3	1.0	0.9					
Path Length Difference, m		3.0	161.7	1.5	4.1	177.4	7.8						5.1	164.3	2.8	6.3	180.6	10.7					
Speed, kph		63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0
Vert Dist, m		11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7
Hori Dist, m		31.5	31.5	31.5	31.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	27.5	27.5	27.5	27.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Slant Dist, m		33.6	33.1	32.7	32.2	19.6	19.2	19.1	19.1	19.1	19.1	19.1	29.9	29.3	28.8	28.3	15.7	15.2	15.1	15.1	15.1	15.1	15.1
Angle of View, °		12.0	6.0	2.0	2.5	2.0	0.5	0.5	0.5	0.5	0.5	0.5	12.0	6.0	2.0	2.0	2.0	2.0	0.5	0.5	0.5	0.5	0.5
Angle of Orientation of the Segment, α°		26.0	17.0	13.0	10.8	5.0	3.8	3.3	2.8	2.3	1.8	1.3	25.0	16.0	12.0	10.0	4.5	3.3	2.8	2.3	1.8	1.3	0.8
Wheel/Rail Noise Contribution																							
Reference Lmax (25m Setback&130kph), dB(A)		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
Reference SEL (25m Setback&130kph), dB(A)		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
Speed Correction, dB(A)		(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	
Distance Correction, dB(A)		(1.3)	(1.2)	(1.2)	(1.1)	1.1	1.1	1.2	1.2	1.2	1.2	1.2	(0.8)	(0.7)	(0.6)	(0.5)	2.0	2.1	2.2	2.2	2.2	2.2	2.2
Angle of View Correction, dB(A)		(15.9)	(22.4)	(29.5)	(30.2)	(37.7)	(46.3)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	(16.2)	(22.9)	(30.2)	(31.8)	(38.6)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	(60.1)
Façade Correction, dB(A)		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Track Wear Correction, dB(A)		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Turnout Correction, dB(A)									7.0		7.0										7.0		
Slab Track Correction, dB(A)		2.5	2.5	2.5	2.5	2.5							2.5	2.5	2.5	2.5	2.5						
Reflection Correction, dB(A)										1.5	1.5	1.5									1.5	1.5	
Screening Correction, dB(A)		(21.0)	(21.0)	(19.2)	(21.0)	(21.0)	(21.0)	0.0	0.0	0.0	0.0	0.0	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	0.0	0.0	0.0	0.0	
SEL of the Segment, dB(A)		46.3	39.9	34.6	32.2	26.9	15.9	35.7	41.2	34.0	38.8	31.0	46.5	39.9	32.7	31.2	26.9	15.7	35.3	33.5	39.8	30.0	27.7
SEL of Single PassBy (Wheel/Rail Noise), dB(A)		49.4											48.8										
AC Noise Contribution																							
Reference Lmax (15m Setback&130kph), dB(A)		57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
Reference SEL (25m Setback&130kph), dB(A)		62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
Duration Correction, dB(A)		3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
Distance Correction, dB(A)		(1.1)	(1.1)	(1.1)	(1.0)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	(0.6)	(0.5)	(0.5)	(0.4)	2.2	2.2	2.2	2.2	2.2	2.2	
Angle of View Correction, dB(A)		(15.9)	(22.4)	(29.5)	(30.2)	(37.7)	(46.3)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	(16.2)	(22.9)	(30.2)	(31.8)	(38.6)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	
Façade Correction, dB(A)		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Screening Correction, dB(A)																							
SEL of the Segment, dB(A)		50.8	44.3	37.3	36.7	31.3	22.8	21.5	20.1	18.3	16.2	12.2	51.1	44.4	37.2	35.7	31.5	22.6	21.1	19.3	17.2	14.3	
SEL of Single PassBy (A/C Noise), dB(A)		52.0											52.2										
Total Noise Contribution																							
Total SEL of Single PassBy, dB(A)		53.9											53.8										
Train Frequency, No. of Train per 30min		15.0											11.0										
SEL of the Track (Multiple PassBy), dB(A)		65.7											64.2										
Leq,30min of the Track, dB(A)		33.1											31.7										
Leq,30min, dB(A)		35.5																					
+ 6 Floors, + 16.8 m																							
Receiver Height, m		28.5	27.0	25.5	23.5	21.5	19.5	18.5	18.5	18.5	18.5	18.5	28.5	27.0	25.5	23.5	21.5	19.5	18.5	18.5	18.5	18.5	
Receiver to Source Distance, m		31.5	31.5	31.5	31.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	27.5	27.5	27.5	27.5	15.0	15.0	15.0	15.0	15.0	15.0	
Equivalent Barrier Height, m		9.4	100.0	6.7	9.0	100.0	10.0						9.4	100.0	6.7	9.0	100.0	10.0					
Equivalent Barrier to Source Distance, m		6.3	1.0	7.5	6.3	1.0	4.9						2.3	1.0	3.5	2.3	1.0	0.9					
Path Length Difference, m		0.5	137.6	0.0	0.8	151.8	0.9						1.7	139.1	0.5	2.2	153.5	2.4					
Slant Dist, m		42.5	41.5	40.5	39.3	28.7	27.2	26.5	26.5	26.5	26.5	26.5	39.6	38.5	37.5	36.2	26.2	24.6	23.8	23.8	23.8	23.8	
Wheel/Rail Noise	Distance Correction, dB(A)	(2.3)	(2.2)	(2.1)	(2.0)	(0.6)	(0.4)	(0.3)	(0.3)	(0.3)	(0.3)	(0.3)	(2.0)	(1.9)	(1.8)	(1.6)	(0.2)	0.1	0.2	0.2	0.2	0.2	
	Screening Correction, dB(A)	(15.4)	(21.0)	(7.2)	(17.1)	(21.0)	(17.7)	0.0	0.0	0.0	0.0	0.0	(19.7)	(21.0)	(16.0)	(20.6)	(21.0)	(20.9)	0.0	0.0	0.0	0.0	
	SEL of the Segment, dB(A)	50.9	38.9	45.7	35.3	25.2	17.7	34.2	39.8	32.6	37.4	29.6	46.6	38.7	36.6	30.6	24.7	13.7	33.3	31.5	37.9	28.0	
SEL of Single PassBy, dB(A)		52.8											48.4										
A/C Noise	Distance Correction, dB(A)	(2.0)	(1.9)	(1.9)	(1.7)	(0.2)	0.1	0.2	0.2	0.2	0.2	0.2	(1.7)	(1.6)	(1.5)	(1.3)	0.3	0.6	0.7	0.7	0.7	0.7	
	SEL of the Segment, dB(A)	49.9	43.5	36.5	36.0	30.0	21.6	20.5	19.1	17.3	15.2	11.2	49.9	43.3	36.2	34.8	29.6	20.9	19.6	17.9	15.7	12.8	
	SEL of Single PassBy, dB(A)	51.1											51.1										
Total	Total SEL of Single PassBy, dB(A)	55.1											53.0										
	Leq,30min of the Track, dB(A)	34.3											30.8										
	Leq,30min, dB(A)	35.9																					

Appendix 6.8 Calculation for Airborne Rail Noise Assessment for SCL (MKK - HUH) - Unmitigated Scenario

Shun Man House (South Block) (OM1a) Noise Levels
2300-0700

Track Segment	Uptrack											Downtrack													
	1	2	3	4	5	6	7	8a	8b	9	10	11	1	2	3	4	5	6	7	8a	8b	9	10	11	
Chainage start	100737	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150	
Chainage end	100781	100819	100855	100890	100950	100998	101025	101033	101104	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101033	101081	101101	101150	101174	
Segment length	44	38	36	35	60	48	27	8	71	31	20	19	44	38	36	35	60	48	27	8	56	20	49	24	
Angle Start	5	6	6	7	12	15	20	24	30	30	110	131	5	5	6	6	12	15	19	23	28	34	65	130	
Angle End	6	6	7	8	15	20	24	30	70	110	131	146	5	6	6	7	15	19	23	28	34	65	130	147	
B1 (Slope) Barrier Height, m								18.7	18.7	18.7	18.7	18.7								18.7	18.7	18.7	18.7	18.7	
B1 (Slope) Barrier to Source Distance, m								22.0	22.0	22.0	22.0	21.0								18.0	18.0	18.0	18.0	17.0	
B2 (Parapet/Tunnel) Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8					9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8					
B2 (Parapet/Tunnel) Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.6	6.6					2.3	1.0	3.5	2.3	1.0	0.9	2.6	2.6					
B3 (Noise Barrier) Barrier Height, m																									
B3 (Noise Barrier) Barrier to Source Distance, m																									
Receiver Height, m	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	
Receiver to Source Distance, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	16.2	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	10.0	8.8	15.3	18.7	18.7	18.7	18.7	
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.5	12.1	22.0	22.0	22.0	21.0	2.3	1.0	3.5	2.3	1.0	0.9	2.6	4.4	18.0	18.0	18.0	17.0	
Path Length Difference, m	0.2	131.2	(0.0)	0.3	136.8	2.2	1.1	2.7	1.1	1.1	1.1	1.3	1.1	132.5	0.3	1.5	138.4	4.4	2.7	5.6	1.6	1.6	1.6	1.9	
Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	
Vert Dist, m	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	32.8	31.3	29.8	27.8	25.8	23.8	22.8	22.8	22.8	22.8	22.8	22.8	
Hori Dist, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	
Slant Dist, m	44.4	43.3	42.2	40.8	46.3	45.2	44.7	44.7	44.7	44.7	44.7	44.7	41.8	40.6	39.5	38.0	43.0	41.8	41.3	41.3	41.3	41.3	41.3	41.3	
Angle of View, α°	0.5	0.5	0.5	1.0	3.0	5.0	4.0	6.0	40.0	40.0	21.0	15.0	0.5	0.5	0.5	1.0	3.0	4.5	4.0	5.0	6.0	31.0	65.0	17.0	
Angle of Orientation of the Segment, α°	5.3	5.8	6.3	7.0	13.5	17.5	22.0	27.0	50.0	90.0	59.5	41.5	4.8	5.3	5.8	6.5	13.0	16.8	21.0	25.5	31.0	49.5	82.5	41.5	
Wheel/Rail Noise Contribution																									
Reference Lmax (25m Setback&130kph), dB(A)	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
Reference SEL (25m Setback&130kph), dB(A)	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
Speed Correction, dB(A)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	
Distance Correction, dB(A)	(2.5)	(2.4)	(2.3)	(2.1)	(2.7)	(2.6)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(2.2)	(2.1)	(2.0)	(1.8)	(2.4)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	(2.2)	
Angle of View Correction, dB(A)	(43.3)	(42.6)	(41.8)	(37.8)	(27.4)	(23.0)	(22.1)	(18.6)	(5.9)	(3.7)	(7.7)	(11.4)	(44.2)	(43.3)	(42.6)	(38.5)	(27.7)	(23.8)	(22.5)	(19.9)	(17.5)	(7.1)	(2.0)	(10.8)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
Track Wear Correction, dB(A)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
Turnout Correction, dB(A)								7.0	7.0		7.0											7.0			
Slab Track Correction, dB(A)	2.5	2.5	2.5	2.5	2.5								2.5	2.5	2.5	2.5	2.5								
Reflection Correction, dB(A)										1.5	1.5	1.5										1.5	1.5	1.5	
Screening Correction, dB(A)	(12.3)	(21.0)	(2.7)	(14.4)	(21.0)	(20.6)	(18.3)	(21.0)	(18.3)	(18.3)	(18.3)	(18.9)	(18.3)	(21.0)	(13.6)	(19.2)	(21.0)	(21.0)	(21.0)	(21.0)	(19.5)	(19.5)	(19.5)	(20.1)	
SEL of the Segment, dB(A)	26.3	18.6	37.7	30.1	33.4	35.9	39.1	46.9	62.2	58.9	62.0	52.8	19.7	18.0	26.4	25.0	33.4	34.9	36.4	38.9	42.8	61.8	59.9	52.5	
SEL of Single PassBy (Wheel/Rail Noise), dB(A)	66.3											64.3													
AC Noise Contribution																									
Reference Lmax (15m Setback&130kph), dB(A)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
Reference SEL (25m Setback&130kph), dB(A)	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
Duration Correction, dB(A)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	
Distance Correction, dB(A)	(2.2)	(2.1)	(2.0)	(1.9)	(2.5)	(2.4)	(2.3)	(2.3)	(2.3)	(2.3)	(2.3)	(2.3)	(1.9)	(1.8)	(1.7)	(1.5)	(2.1)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	
Angle of View Correction, dB(A)	(43.3)	(42.6)	(41.8)	(37.8)	(27.4)	(23.0)	(22.1)	(18.6)	(5.9)	(3.7)	(7.7)	(11.4)	(44.2)	(43.3)	(42.6)	(38.5)	(27.7)	(23.8)	(22.5)	(19.9)	(17.5)	(7.1)	(2.0)	(10.8)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
Screening Correction, dB(A)																									
SEL of the Segment, dB(A)	22.3	23.2	24.0	28.1	37.9	42.5	43.4	46.9	59.6	61.8	57.8	53.1	21.7	22.7	23.6	27.9	38.0	42.0	43.4	46.0	48.3	58.8	63.9	54.0	
SEL of Single PassBy (A/C Noise), dB(A)	65.2											65.6													
Total Noise Contribution																									
Total SEL of Single PassBy, dB(A)	68.8											68.0													
Train Frequency, No. of Train per 30min	12.0											10.0													
SEL of the Track (Multiple PassBy), dB(A)	79.6											78.0													
Leq,30min of the Track, dB(A)	47.1											45.5													
Leq,30min, dB(A)	49.3																								
+ 5 Floors, + 14 m																									
Receiver Height, m	46.8	45.3	43.8	41.8	39.8	37.8	36.8	36.8	36.8	36.8	36.8	36.8	46.8	45.3	43.8	41.8	39.8	37.8	36.8	36.8	36.8	36.8	36.8		
Receiver to Source Distance, m	29.9	29.9	29.9	29.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	25.9	25.9	25.9	25.9	34.4	34.4	34.4	34.4	34.4	34.4	34.4		
Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0	8.8	8.8	18.7	18.7	18.7	18.7	9.4	100.0	6.7	9.0	100.0	10.0	8.8	18.7	18.7	18.7	18.7		
Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9	6.5	6.5	22.0	22.0	22.0	21.0	2.3	1.0	3.5	2.3	1.0	0.9	2.6	2.6	18.0	18.0	17.0		
Path Length Difference, m	(0.0)	107.6	(0.4)	0.0	115.6	0.8	0.2	0.2	(0.1)	(0.1)	(0.1)	(0.0)	0.4	107.9	0.0	0.5	116.2	2.5	1.2	1.2	(0.0)	(0.0)	(0.0)	0.0	
Slant Dist, m	55.5	54.3	53.0	51.4	55.3	53.9	53.2	53.2	53.2	53.2	53.2	53.2	53.5	52.2	50.9	49.2	52.6	51.1	50.4	50.4	50.4	50.4	50.4		
Distance Correction, dB(A)	(3.5)	(3.4)	(3.3)	(3.1)	(3.4)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	(3.2)	(3.1)	(2.9)	(3.2)	(3.1)	(3.0)	(3.0)	(3.0)	(3.0)	(3.0)		
Screening Correction, dB(A)	(4.2)	(21.0)	(0.1)	(5.6)	(21.0)	(17.2)	(12.7)	(12.7)	(1.1)	(1.1)	(1.1)	(2.1)	(15.1)	(21.0)	(6.9)	(15.9)	(21.0)	(21.0)	(18.6)	(18.6)	(3.8)	(3.8)	(6.1)		
SEL of the Segment, dB(A)	33.5	17.6	39.3	37.9	32.6	38.5	43.9	54.4	78.7	75.4	78.4	68.8	21.9	17.0	32.0	27.2	32.5	34.1	38.0	40.5	57.7	76.6	74.7	65.6	
SEL of Single PassBy, dB(A)	82.7											79.0													
Distance Correction, dB(A)	(3.2)	(3.1)	(3.0)	(2.9)	(3.2)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.0)	(2.9)	(2.8)	(2.7)	(3.0)	(2.9)	(2.8)	(2.8)	(2.8)	(2.8)	(2.8)		
SEL of the Segment, dB(A)	21.3	22.2	23.0	27.1	37.2	41.7	42.7	46.1	58.9	61.1	57.1	52.4	20.6	21.6	22.5	26.7	37.1	41.2	42.6	45.1	47.5	58.0	63.1	53.2	
SEL of Single PassBy, dB(A)	64.5											64.8													
Total SEL of Single PassBy, dB(A)	82.7											79.2													
Leq,30min of the Track, dB(A)	61.0											56.6													
Leq,30min, dB(A)	62.3																								
+ 10 Floors, + 28.0 m																									
Receiver Height, m	60.8	59.3	57.8	55.8	53.8	51.8	50.8</																		

Parc Palais, Block 6 (OM2) Noise Levels
2300-0700

Track Segment	Uptrack											Downtrack											
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	
Chainage start	100737	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101081	101101	101150	101174
Chainage end	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101081	101101	101150	101174	
Segment length	44	38	36	35	60	48	27	79	31	20	19	44	38	36	35	60	48	27	56	20	49	24	
Angle Start	7	8	9	10	6	8	10	11	19	26	39	8	9	10	11	7	9	11	13	18	21	39	
Angle End	8	9	10	11	8	10	11	19	26	39	47	9	10	11	12	9	11	13	18	21	39	48	
B1 (Slope) Barrier Height, m								18.4	13.0	12.0	11.0								18.4	13.0	12.0	11.0	
B2 (Parapet/Tunnel) Barrier to Source Distance, m								35.2	18.9	11.3	9.4								39.2	22.9	15.3	13.4	
B3 (Noise Barrier) Barrier Height, m	9.4	100.0	6.7	5.1	100.0							9.4	100.0	6.7	5.1	100.0							
B3 (Noise Barrier) Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0							6.3	1.0	8.2	6.3	1.0							
Receiver Height, m	45.8	44.3	42.8	40.8	38.8	36.8	35.8	35.8	35.8	35.8	35.8	45.8	44.3	42.8	40.8	38.8	36.8	35.8	35.8	35.8	35.8	35.8	35.8
Receiver to Source Distance, m	53.5	53.5	53.5	53.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	57.5	57.5	57.5	57.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0				35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0			39.2	22.9	15.3	13.4
Path Length Difference, m	2.1	107.1	0.5	0.7	117.6				(6.4)	(0.7)	0.0	0.1	0.6	106.8	0.0	0.0	116.8			(7.0)	(1.1)	(0.1)	(0.0)
Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0
Vert Dist, m	45.8	44.3	42.8	40.8	38.8	36.8	35.8	35.8	35.8	35.8	35.8	45.8	44.3	42.8	40.8	38.8	36.8	35.8	35.8	35.8	35.8	35.8	
Hori Dist, m	53.5	53.5	53.5	53.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	57.5	57.5	57.5	57.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
Slant Dist, m	70.4	69.5	68.5	67.3	52.9	51.5	50.8	50.8	50.8	50.8	50.8	73.5	72.6	71.7	70.5	55.7	54.4	53.7	53.7	53.7	53.7	53.7	
Angle of View, °	1.0	1.0	1.0	1.0	2.0	2.0	1.0	8.0	7.0	13.0	8.0	1.0	1.0	1.0	1.0	2.0	2.0	2.5	5.0	3.0	18.0	9.0	
Angle of Orientation of the Segment, α°	7.5	8.5	9.5	10.5	7.0	9.0	10.5	15.0	22.5	43.0		8.0	9.0	10.0	11.0	7.5	9.5	11.8	15.5	19.5	30.0	43.5	
Wheel/Rail Noise Contribution																							
Reference Lmax (25m Setback&130kph), dB(A)	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
Reference SEL (25m Setback&130kph), dB(A)	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
Speed Correction, dB(A)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	
Distance Correction, dB(A)	(4.5)	(4.4)	(4.4)	(4.3)	(3.3)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	(4.7)	(4.6)	(4.6)	(4.5)	(3.5)	(3.4)	(3.3)	(3.3)	(3.3)	(3.3)	(3.3)	
Angle of View Correction, dB(A)	(37.3)	(36.2)	(35.2)	(34.4)	(34.8)	(32.7)	(34.4)	(22.2)	(19.4)	(13.8)	(13.9)	(36.7)	(35.7)	(34.8)	(34.0)	(34.2)	(32.2)	(29.4)	(24.0)	(24.3)	(13.0)	(13.3)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Track Wear Correction, dB(A)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Turnout Correction, dB(A)								7.0		7.0											7.0		
Slab Track Correction, dB(A)	2.5	2.5	2.5	2.5	2.5							2.5	2.5	2.5	2.5	2.5							
Reflection Correction, dB(A)									1.5	1.5	1.5										1.5	1.5	
Screening Correction, dB(A)	(20.4)	(21.0)	(15.7)	(16.9)	(21.0)	0.0	0.0	0.0	0.0	(6.9)	(9.8)	(16.4)	(21.0)	(6.9)	(7.4)	(21.0)	0.0	0.0	0.0	0.0	(1.6)	(2.5)	
SEL of the Segment, dB(A)	22.4	22.9	29.2	28.9	25.4	46.2	44.6	63.7	61.0	66.8	58.9	26.7	23.2	38.3	38.7	25.8	46.4	49.3	54.7	62.9	65.6	66.5	
SEL of Single PassBy (Wheel/Rail Noise), dB(A)	69.6											70.2											
AC Noise Contribution																							
Reference Lmax (15m Setback&130kph), dB(A)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
Reference SEL (25m Setback&130kph), dB(A)	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
Duration Correction, dB(A)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	
Distance Correction, dB(A)	(4.3)	(4.3)	(4.2)	(4.2)	(3.0)	(2.9)	(2.9)	(2.9)	(2.9)	(2.9)	(2.9)	(4.5)	(4.5)	(4.4)	(4.4)	(3.3)	(3.2)	(3.1)	(3.1)	(3.1)	(3.1)	(3.1)	
Angle of View Correction, dB(A)	(37.3)	(36.2)	(35.2)	(34.4)	(34.8)	(32.7)	(34.4)	(22.2)	(19.4)	(13.8)	(13.9)	(36.7)	(35.7)	(34.8)	(34.0)	(34.2)	(32.2)	(29.4)	(24.0)	(24.3)	(13.0)	(13.3)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Screening Correction, dB(A)																							
SEL of the Segment, dB(A)	26.2	27.4	28.4	29.3	30.0	32.3	30.6	42.8	45.6	51.2	50.1	26.6	27.7	28.6	29.5	30.3	32.5	35.3	40.7	40.4	51.8	50.4	
SEL of Single PassBy (AC Noise), dB(A)	54.7											54.7											
Total Noise Contribution																							
Total SEL of Single PassBy, dB(A)	69.8											70.3											
Train Frequency, No. of Train per 30min	12.0											11.0											
SEL of the Track (Multiple PassBy), dB(A)	80.6											80.7											
Leq,30min of the Track, dB(A)	48.0											48.2											
Leq,30min, dB(A)	51.1																						
+ 5 Floors, + 14 m																							
Receiver Height, m	59.8	58.3	56.8	54.8	52.8	50.8	49.8	49.8	49.8	49.8	49.8	59.8	58.3	56.8	54.8	52.8	50.8	49.8	49.8	49.8	49.8	49.8	
Receiver to Source Distance, m	53.5	53.5	53.5	53.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	57.5	57.5	57.5	57.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0				35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0			39.2	22.9	15.3	13.4
Path Length Difference, m	1.3	87.9	0.2	0.4	94.9				(9.7)	(2.1)	(0.2)	(0.1)	0.2	88.3	(0.1)	(0.0)	95.0			(10.8)	(3.0)	(0.7)	(0.5)
Slant Dist, m	80.2	79.1	78.0	76.6	63.9	62.3	61.4	61.4	61.4	61.4	61.4	83.0	81.9	80.8	79.4	66.2	64.7	63.9	63.9	63.9	63.9	63.9	
Distance Correction, dB(A)	(5.1)	(5.0)	(4.9)	(4.9)	(4.1)	(4.0)	(3.9)	(3.9)	(3.9)	(3.9)	(3.9)	(5.2)	(5.2)	(5.1)	(5.0)	(4.2)	(4.1)	(4.1)	(4.1)	(4.1)	(4.1)	(4.1)	
Screening Correction, dB(A)	(18.8)	(21.0)	(12.3)	(14.7)	(21.0)	0.0	0.0	0.0	0.0	(0.7)	(1.6)	(12.9)	(21.0)	(1.8)	(2.4)	(21.0)	0.0	0.0	0.0	0.0	0.0	0.0	
SEL of the Segment, dB(A)	23.4	22.3	32.0	30.6	24.6	45.4	43.7	62.9	60.2	72.1	66.2	29.7	22.7	42.8	43.2	25.1	45.7	48.5	53.9	62.1	66.5	68.2	
SEL of Single PassBy, dB(A)	73.7											71.2											
Distance Correction, dB(A)	(4.9)	(4.9)	(4.8)	(4.7)	(3.9)	(3.7)	(3.7)	(3.7)	(3.7)	(3.7)	(3.7)	(5.1)	(5.0)	(5.0)	(4.9)	(4.0)	(3.9)	(3.9)	(3.9)	(3.9)	(3.9)	(3.9)	
SEL of the Segment, dB(A)	25.7	26.8	27.8	28.8	29.2	31.4	29.8	42.0	44.7	50.4	49.3	26.1	27.2	28.1	29.0	29.6	31.7	34.6	40.0	39.6	51.0	49.7	
SEL of Single PassBy, dB(A)	53.9											53.9											
Total SEL of Single PassBy, dB(A)	73.8											71.3											
Leq,30min of the Track, dB(A)	52.0											49.1											
Leq,30min, dB(A)	53.8																						
+ 10 Floors, + 28.0 m																							
Receiver Height, m	73.8	72.3	70.8	68.8	66.8	64.8	63.8	63.8	63.8	63.8	63.8	73.8	72.3	70.8	68.8	66.8	64.8	63.8	63.8	63.8	63.8	63.8	
Receiver to Source Distance, m	53.5	53.5	53.5	53.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	57.5	57.5	57.5	57.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0				18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0				35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0			39.2	22.9	15.3	13.4
Path Length Difference, m	0.8	69.4	0.0	0.2	72.4				(11.9)	(3.3)	(0.6)	(0.3)	0.0	70.6	(0.2)	(0.2)	73.4			(13.4)	(4.6)	(1.5)	(1.2)
Slant Dist, m	91.2	89.9	88.7	87.2	75.9	74.1	7																

Wylie Court, Block C (HH1) Noise Levels
2300-0700

Track Segment	Uptrack											Downtrack											
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	
Chainage start	100737	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101081	101101	101150	
Chainage end	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101081	101101	101150	101174	
Segment length	44	38	36	35	60	48	27	79	31	20	19	44	38	36	35	60	48	27	56	20	49	24	
Angle Start	38	45	53	61	69	90	108	116	135	140	143	39	46	53	61	70	90	108	115	130	134	141	
Angle End	45	53	61	73	90	108	116	135	140	143	145	46	53	61	74	90	108	115	130	134	141	144	
B1 (Slope) Barrier Height, m								18.4	13.0	12.0	11.0								18.4	13.0	12.0	11.0	
B2 (Parapet/Tunnel) Barrier to Source Distance, m								35.2	18.9	11.3	9.4								39.2	22.9	15.3	13.4	
B3 (Noise Barrier) Barrier Height, m	9.4	100.0	6.7	5.1	100.0							9.4	100.0	6.7	5.1	100.0							
Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0							6.3	1.0	8.2	6.3	1.0							
Receiver Height, m	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9	
Receiver to Source Distance, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0	
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0			35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0			39.2	22.9	15.3	13.4	
Path Length Difference, m	5.6	110.0	2.6	2.5	113.5			2.8	2.6	3.8	3.8	3.4	109.7	1.3	1.0	113.1			2.4	2.1	2.8	2.7	
Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	
Vert Dist, m	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9	33.9	32.4	30.9	28.9	26.9	24.9	23.9	23.9	23.9	23.9	23.9	
Hori Dist, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	
Slant Dist, m	156.8	156.5	156.2	155.8	153.5	153.1	153.0	153.0	153.0	153.0	153.0	160.7	160.4	160.1	159.7	157.4	157.1	156.9	156.9	156.9	156.9	156.9	
Angle of View, θ°	7.0	7.5	8.0	12.5	21.0	17.6	7.6	19.0	5.0	2.5	2.5	7.0	7.0	8.0	12.5	20.5	17.5	7.5	15.0	4.0	7.0	3.0	
Angle of Orientation of the Segment, α°	41.5	48.8	56.5	66.8	79.5	80.8	68.2	54.5	42.5	38.8	36.3	42.5	49.5	57.0	67.3	79.8	81.3	68.8	57.5	48.0	42.5	37.5	
Wheel/Rail Noise Contribution																							
Reference Lmax (25m Setback&130kph), dB(A)	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
Reference SEL (25m Setback&130kph), dB(A)	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
Speed Correction, dB(A)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	
Distance Correction, dB(A)	(8.0)	(8.0)	(8.0)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	
Angle of View Correction, dB(A)	(14.7)	(13.3)	(12.1)	(9.4)	(6.5)	(7.3)	(11.4)	(8.6)	(16.0)	(19.7)	(20.2)	(14.5)	(13.5)	(12.1)	(9.3)	(6.6)	(7.3)	(11.4)	(9.3)	(16.1)	(14.5)	(19.1)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Track Wear Correction, dB(A)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Turnout Correction, dB(A)								7.0		7.0											7.0		
Slab Track Correction, dB(A)	2.5	2.5	2.5	2.5	2.5							2.5	2.5	2.5	2.5	2.5							
Reflection Correction, dB(A)									1.5	1.5	1.5										1.5	1.5	
Screening Correction, dB(A)	(21.0)	(21.0)	(21.0)	(20.9)	(21.0)	0.0	0.0	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	(18.9)	(18.1)	(21.0)	0.0	0.0	(20.9)	(20.3)	(21.0)	(21.0)	
SEL of the Segment, dB(A)	40.8	42.2	43.4	46.3	49.1	66.9	62.7	51.6	38.7	42.0	36.6	40.9	41.9	45.5	49.0	48.9	66.8	62.6	43.9	46.1	40.0	37.5	
SEL of Single PassBy (Wheel/Rail Noise), dB(A)	68.5											68.4											
AC Noise Contribution																							
Reference Lmax (15m Setback&130kph), dB(A)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
Reference SEL (25m Setback&130kph), dB(A)	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
Duration Correction, dB(A)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	
Distance Correction, dB(A)	(8.0)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(8.1)	(8.1)	(8.1)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	
Angle of View Correction, dB(A)	(14.7)	(13.3)	(12.1)	(9.4)	(6.5)	(7.3)	(11.4)	(8.6)	(16.0)	(19.7)	(20.2)	(14.5)	(13.5)	(12.1)	(9.3)	(6.6)	(7.3)	(11.4)	(9.3)	(16.1)	(14.5)	(19.1)	
Façade Correction, dB(A)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Screening Correction, dB(A)																							
SEL of the Segment, dB(A)	45.2	46.6	47.8	50.6	53.4	52.7	48.6	51.4	44.0	40.3	38.8	45.3	46.3	47.7	50.5	53.2	52.6	48.4	50.6	43.8	45.4	39.7	
SEL of Single PassBy (AC Noise), dB(A)	59.6											59.5											
Total Noise Contribution																							
Total SEL of Single PassBy, dB(A)	69.0											68.9											
Train Frequency, No. of Train per 30min	12.0											11.0											
SEL of the Track (Multiple PassBy), dB(A)	79.8											79.3											
Leq,30min of the Track, dB(A)	47.3											46.7											
Leq,30min, dB(A)	50.0																						
+ 5 Floors, + 15.0 m																							
Receiver Height, m	48.9	47.4	45.9	43.9	41.9	39.9	38.9	38.9	38.9	38.9	38.9	48.9	47.4	45.9	43.9	41.9	39.9	38.9	38.9	38.9	38.9	38.9	
Receiver to Source Distance, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0	
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0			35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0			39.2	22.9	15.3	13.4	
Path Length Difference, m	4.8	100.7	2.0	2.0	104.2			1.4	1.6	2.8	2.9	2.7	100.6	0.9	0.7	104.0			1.1	1.1	1.9	1.8	
Slant Dist, m	160.7	160.3	159.8	159.3	156.8	156.3	156.0	156.0	156.0	156.0	156.0	164.5	164.1	163.7	163.1	160.7	160.1	159.9	159.9	159.9	159.9	159.9	
Distance Correction, dB(A)	(8.1)	(8.1)	(8.1)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.2)	(8.2)	(8.2)	(8.2)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	(8.1)	
Screening Correction, dB(A)	(21.0)	(21.0)	(20.3)	(20.3)	(21.0)	0.0	0.0	(19.1)	(19.6)	(21.0)	(21.0)	(21.0)	(21.0)	(17.6)	(16.8)	(21.0)	0.0	0.0	(18.3)	(18.4)	(20.1)	(20.0)	
SEL of the Segment, dB(A)	40.7	42.1	44.0	46.8	49.0	66.8	62.6	53.4	40.0	41.9	36.5	40.8	41.8	46.7	50.2	48.8	66.7	62.5	46.4	47.9	40.8	38.4	
SEL of Single PassBy, dB(A)	68.5											68.3											
Distance Correction, dB(A)	(8.1)	(8.0)	(8.0)	(8.0)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(7.9)	(8.2)	(8.1)	(8.1)	(8.1)	(8.1)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	
SEL of the Segment, dB(A)	45.1	46.5	47.7	50.5	53.4	52.7	48.5	51.3	43.9	40.3	38.7	45.2	46.2	47.6	50.4	53.2	52.5	48.4	50.5	43.7	45.3	39.7	
SEL of Single PassBy, dB(A)	59.5											59.4											
Total SEL of Single PassBy, dB(A)	69.0											68.9											
Leq,30min of the Track, dB(A)	47.3											46.7											
Leq,30min, dB(A)	50.0																						
+ 10 Floors, + 30.0 m																							
Receiver Height, m	63.9	62.4	60.9	58.9	56.9	54.9	53.9	53.9	53.9	53.9	53.9	63.9	62.4	60.9	58.9	56.9	54.9	53.9	53.9	53.9	53.9	53.9	
Receiver to Source Distance, m	153.1	153.1	153.1	153.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	157.1	157.1	157.1	157.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	
Equivalent Barrier Height, m	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0	9.4	100.0	6.7	5.1	100.0			18.4	13.0	12.0	11.0	
Equivalent Barrier to Source Distance, m	2.3	1.0	4.2	2.3	1.0			35.2	18.9	11.3	9.4	6.3	1.0	8.2	6.3	1.0			39.2	22.9	15.3	13.4	
Path Length Difference, m	4.1	91.4	1.6	1.7	94.7			0.5	0.9	2.0	2.1	2.1	91.5	0.6	0.4	94.8			0.3	0.5	1.2		

Wing Fung Mansion (HH2) Noise Levels
2300-0700

Track		Uptrack										Downtrack												
Segment		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	
Chainage start		100737	100781	100819	100855	100890	100950	100998	101025	101104	101135	101155	100737	100781	100819	100855	100890	100950	100998	101025	101033	101101	101101	101150
Chainage end		100781	100819	100855	100890	100950	100998	101025	101033	101135	101155	101174	100781	100819	100855	100890	100950	100998	101025	101033	101101	101150	101174	
Segment length		44	38	36	35	60	48	27	8	31	20	19	44	38	36	35	60	48	27	8	20	49	24	
Angle Start		20	14	12	10	4	4	3	3	2	2	1	19	13	11	9	4	3	3	2	2	1	1	
Angle End		32	20	14	12	6	4	4	3	3	2	2	31	19	13	11	6	4	3	3	2	2	1	
B1 (Slope)	Barrier Height, m																							
B2 (Parapet/Tunnel)	Barrier to Source Distance, m																							
B3 (Noise Barrier)	Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0						9.4	100.0	6.7	9.0	100.0	10.0						
	Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9						2.3	1.0	3.5	2.3	1.0	0.9						
	Barrier Height, m																							
	Barrier to Source Distance, m																							
	Receiver Height, m	11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	
	Receiver to Source Distance, m	31.5	31.5	31.5	31.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	27.5	27.5	27.5	27.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
	Equivalent Barrier Height, m	9.4	100.0	6.7	9.0	100.0	10.0						9.4	100.0	6.7	9.0	100.0	10.0						
	Equivalent Barrier to Source Distance, m	6.3	1.0	7.5	6.3	1.0	4.9						2.3	1.0	3.5	2.3	1.0	0.9						
	Path Length Difference, m	3.0	161.7	1.5	4.1	177.4	7.8						5.1	164.3	2.8	6.3	180.6	10.7						
	Speed, kph	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	80.0	
	Vert Dist, m	11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	11.7	10.2	8.7	6.7	4.7	2.7	1.7	1.7	1.7	1.7	1.7	
	Hori Dist, m	31.5	31.5	31.5	31.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	27.5	27.5	27.5	27.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
	Slant Dist, m	33.6	33.1	32.7	32.2	19.6	19.2	19.1	19.1	19.1	19.1	19.1	29.9	29.3	28.8	28.3	15.7	15.2	15.1	15.1	15.1	15.1	15.1	
	Angle of View, θ°	12.0	6.0	2.0	2.5	2.0	0.5	0.5	0.5	0.5	0.5	0.5	12.0	6.0	2.0	2.0	2.0	0.5	0.5	0.5	0.5	0.5	0.5	
	Angle of Orientation of the Segment, α°	26.0	17.0	13.0	10.8	5.0	3.8	3.3	2.8	2.3	1.8	1.3	25.0	16.0	12.0	10.0	4.5	3.3	2.8	2.3	1.8	1.3	0.8	
Wheel/Rail Noise Contribution																								
Reference Lmax (25m Setback&130kph), dB(A)		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3		
Reference SEL (25m Setback&130kph), dB(A)		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
Speed Correction, dB(A)		(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(6.3)	(4.2)	
Distance Correction, dB(A)		(1.3)	(1.2)	(1.2)	(1.1)	1.1	1.1	1.2	1.2	1.2	1.2	1.2	(0.8)	(0.7)	(0.6)	(0.5)	2.0	2.1	2.2	2.2	2.2	2.2	2.2	
Angle of View Correction, dB(A)		(15.9)	(22.4)	(29.5)	(30.2)	(37.7)	(46.3)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	(16.2)	(22.9)	(30.2)	(31.8)	(38.6)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	(60.1)	
Façade Correction, dB(A)		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Track Wear Correction, dB(A)		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Turnout Correction, dB(A)									7.0		7.0											7.0		
Slab Track Correction, dB(A)		2.5	2.5	2.5	2.5	2.5							2.5	2.5	2.5	2.5	2.5							
Reflection Correction, dB(A)										1.5	1.5	1.5										1.5	1.5	
Screening Correction, dB(A)		(21.0)	(21.0)	(19.2)	(21.0)	(21.0)	(21.0)	0.0	0.0	0.0	0.0	0.0	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	(21.0)	0.0	0.0	0.0	0.0	0.0	
SEL of the Segment, dB(A)		46.3	39.9	34.6	32.2	26.9	15.9	35.7	41.2	34.0	38.8	31.0	46.5	39.9	32.7	31.2	26.9	15.7	35.3	33.5	39.8	30.0	27.7	
SEL of Single PassBy (Wheel/Rail Noise), dB(A)		49.4											48.8											
AC Noise Contribution																								
Reference Lmax (15m Setback&130kph), dB(A)		57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0		
Reference SEL (25m Setback&130kph), dB(A)		62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
Duration Correction, dB(A)		3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1		
Distance Correction, dB(A)		(1.1)	(1.1)	(1.1)	(1.0)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	(0.6)	(0.5)	(0.5)	(0.4)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
Angle of View Correction, dB(A)		(15.9)	(22.4)	(29.5)	(30.2)	(37.7)	(46.3)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	(16.2)	(22.9)	(30.2)	(31.8)	(38.6)	(47.5)	(48.9)	(50.7)	(52.9)	(55.7)	(60.1)	
Façade Correction, dB(A)		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Screening Correction, dB(A)																								
SEL of the Segment, dB(A)		50.8	44.3	37.3	36.7	31.3	22.8	21.5	20.1	18.3	16.2	12.2	51.1	44.4	37.2	35.7	31.5	22.6	21.1	19.3	17.2	14.3	8.9	
SEL of Single PassBy (A/C Noise), dB(A)		52.0											52.2											
Total Noise Contribution																								
Total SEL of Single PassBy, dB(A)		53.9											53.8											
Train Frequency, No. of Train per 30min		12.0											11.0											
SEL of the Track (Multiple PassBy), dB(A)		64.7											64.2											
Leq,30min of the Track, dB(A)		32.1											31.7											
Leq,30min, dB(A)		34.9																						
+ 6 Floors, + 16.8 m																								
Receiver Height, m		28.5	27.0	25.5	23.5	21.5	19.5	18.5	18.5	18.5	18.5	18.5	28.5	27.0	25.5	23.5	21.5	19.5	18.5	18.5	18.5	18.5	18.5	
Receiver to Source Distance, m		31.5	31.5	31.5	31.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	27.5	27.5	27.5	27.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
Equivalent Barrier Height, m		9.4	100.0	6.7	9.0	100.0	10.0						9.4	100.0	6.7	9.0	100.0	10.0						
Equivalent Barrier to Source Distance, m		6.3	1.0	7.5	6.3	1.0	4.9						2.3	1.0	3.5	2.3	1.0	0.9						
Path Length Difference, m		0.5	137.6	0.0	0.8	151.8	0.9						1.7	139.1	0.5	2.2	153.5	2.4						
Slant Dist, m		42.5	41.5	40.5	39.3	28.7	27.2	26.5	26.5	26.5	26.5	26.5	39.6	38.5	37.5	36.2	26.2	24.6	23.8	23.8	23.8	23.8	23.8	
Distance Correction, dB(A)		(2.3)	(2.2)	(2.1)	(2.0)	(0.6)	(0.4)	(0.3)	(0.3)	(0.3)	(0.3)	(0.3)	(2.0)	(1.9)	(1.8)	(1.6)	(0.2)	0.1	0.2	0.2	0.2	0.2	0.2	
Screening Correction, dB(A)		(15.4)	(21.0)	(7.2)	(17.1)	(21.0)	(17.7)	0.0	0.0	0.0	0.0	0.0	(19.7)	(21.0)	(16.0)	(20.6)	(21.0)	(20.9)	0.0	0.0	0.0	0.0	0.0	
SEL of the Segment, dB(A)		50.9	38.9	45.7	35.3	25.2	17.7	34.2	39.8	32.6	37.4	29.6	46.6	38.7	36.6	30.6	24.7	13.7	33.3	31.5	37.9	28.0	25.7	
SEL of Single PassBy, dB(A)		52.8											48.4											
Distance Correction, dB(A)		(2.0)	(1.9)	(1.9)	(1.7)	(0.2)	0.1	0.2	0.2	0.2	0.2	0.2	(1.7)	(1.6)	(1.5)	(1.3)	0.3	0.6	0.7	0.7	0.7	0.7	0.7	
SEL of the Segment, dB(A)		49.9	43.5	36.5	36.0	30.0	21.6	20.5	19.1	17.3	15.2	11.2	49.9	43.3	36.2	34.8	29.6	20.9	19.6	17.9	15.7	12.8	7.5	
SEL of Single PassBy, dB(A)		51.1											51.1											
Total SEL of Single PassBy, dB(A)		55.1											53.0											
Leq,30min of the Track, dB(A)		33.3											30.8											
Leq,30min, dB(A)		35.3																						

Appendix 6.8 Calculation for Airborne Rail Noise Assessment for SCL (MKK - HUH) - Unmitigated Scenario

		Leq, 30min	
		0700-2300	2300-0700
Shun Man House South Block (OM1a)	2	51	49
	7	64	62
	12	65	64
	17	64	63
	23	63	62
Shun Man House North Block (OM1b)	2	49	48
	7	62	61
	12	64	63
	17	63	62
	23	62	61
Parc Palais, Block 6 (OM2)	2	52	51
	7	55	54
	12	54	54
	17	54	53
	24	53	52
Carmel Secondary School (North Block) (OM4b)	2	52	-
	5	57	-
Wylie Court, Block C (HH1)	2	51	50
	7	51	50
	12	51	50
	17	51	50
	20	52	51
Wing Fung Mansion (HH2)	2	36	35
	8	36	35