

Measured Background Noise Levels

Noise surveys were carried out in June, July and August 2011 to investigate the background noise condition of the surrounding environment and the Project Area. The baseline noise measurement locations are shown in **Figure 4.6**.

Nine noise surveys were carried out in the Project Area. The noise surveys were undertaken using Type 1 sound level meters, namely Rion NL-18 and Rion NL-31. During each survey, the sound level meter was checked using an acoustic calibrator generating a sound pressure level of 94.0 dB(A) at 1kHz immediately before and after noise measurement. The measurements were accepted as valid only if the calibration levels before and after the noise measurement were agreed to within 1.0 dB(A). The sound level meters and acoustic calibrators are calibrated in accredited laboratories yearly to ensure reliable performance. The measurement results are shown in **Table A4.1**.

Table A4.1 Measured Background Noise Levels

Location ID	Location Description	Time Period	Start Time	*Measured Noise Level in L_{eq} (30min), dB(A)	Background Noise adopted at NSR
A	Austin Road West facing International Commerce Centre (ICC)	Daytime (0700 – 1900)	16:37	70.0	Non
		Evening Time (1900 – 2300)	20:32	68.7	
		Night-time (2300 – 0700)	23:19	67.0	
B	Austin Rd West facing The Harbourside - Tower 1	Daytime (0700 – 1900)	17:21	64.2	P24, P27a and P28
		Evening Time (1900 – 2300)	21:16	63.3	
		Night-time (2300 – 0700)	00:00	60.9	
C	Austin Rd West facing The Rink, Elements	Daytime (0700 – 1900)	18:02	68.3	P16b, P17a and P17b
		Evening Time (1900 – 2300)	21:57	67.0	
		Night-time (2300 – 0700)	00:42	61.9	
D	Austin Rd West facing Austin Station	Daytime (0700 – 1900)	17:19	65.3	P5a, P5b and P9a
		Evening Time (1900 – 2300)	20:31	65.3	
		Night-time (2300 – 0700)	23:25	66.6	
E	Canton Road facing the Victoria Towers – Tower 1	Daytime (0700 – 1900)	17:57	71.4	P3b, VT1, LCS and CRGPS
		Evening Time (1900 – 2300)	21:10	71.7	
		Night-time (2300 – 0700)	00:05	68.8	
F	Open carpark opposite to The Harbourside - Tower 3	Daytime (0700 – 1900)	14:39	60.1	P16a, P17c, P19, P27b, P29a&b and P32a-c
		Evening Time (1900 – 2300)	22:37	56.6	
		Night-time (2300 – 0700)	00:02	51.1 [^]	
G	West Kowloon Waterfront Promenade	Daytime (0700 – 1900)	14:24	58.6	P50
		Evening Time (1900 – 2300)	19:30	58.1	
H	WKCD south boundary opposite to the China Ferry Terminal	Daytime (0700 – 1900)	17:00	62.5	P10, P11a&b, P13a-e
		Evening Time (1900 – 2300)	19:15	58.1	
I	WKCD south boundary near the TST Fire Station	Daytime (0700 – 1900)	17:45	64.8	P2, P3a, P5c, P6a&b, P7, P9b, P9c
		Evening Time (1900 – 2300)	20:25	60.2	

Note(*): All background noise measurements were facade measurement except locations A, F, G, H and I. Façade correction +3dB(A) has been added in location A, F, G, H and I.

[^]: Night-time measured noise level at Locations F has been adopted at Location H and I for conservative consideration.