

Project: 25278 Agreement No. CE61/0007 (CE) North East New Territories New Development Areas Planning and Engineering Study
Title: Predicted Sound Pressure Level from Crowd noise and PA system (Sports Ground / Complex & Sports Centre KTN F1-1)

Predicted SPL at NSRs at Various Floor Levels - KTN-45

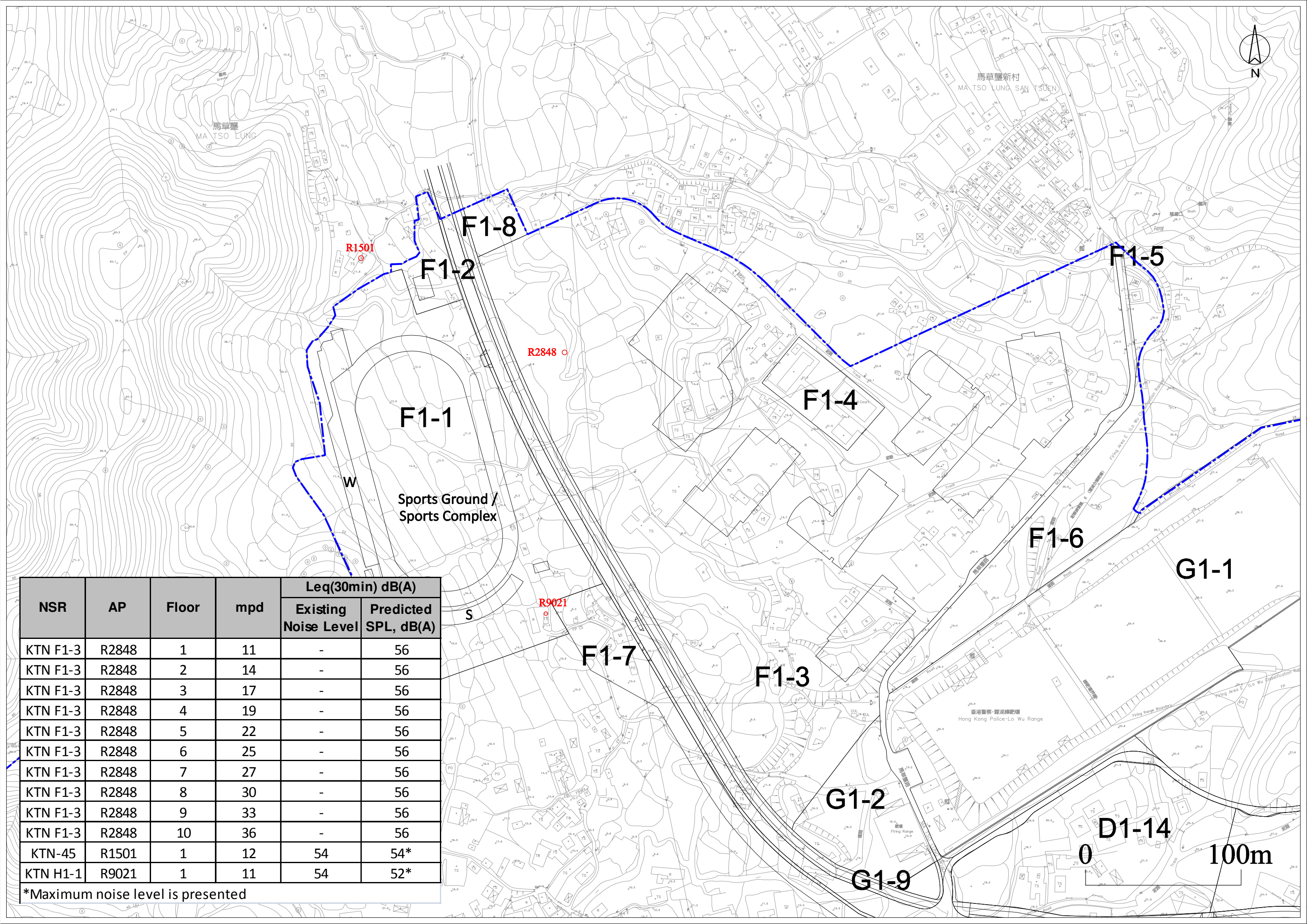
NSR	AP	Floor	Floor Level, m	SWL S, dB(A)	Slant Distance, m	L, m	W, m	Area, m ²	Area Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	SWL W, dB(A)	Slant Distance, m	L, m	W, m	Area, m ²	Area Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	G1-1 SWL, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	G1-2 SWL, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	F1-2 SWL, dB(A)	Distance, m	Slant Distance, m	Distance Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
KTN-45	R1501	1	11.9	102	240	80	9	743731	-5	-5	0	41	102	140	120	9	144731	-2	-5	0	47	121	580	-83	-10	0	46	109	510	-42	-10	0	37	76	35	35	-39	0	0	37	3	54
		2	14.5	102	240	80	9	243811	-5	-5	0	41	102	140	120	9	144807	-2	-5	0	47	121	580	-83	-10	0	46	109	510	-42	-10	0	37	76	35	35	-39	0	0	37	3	54

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Predicted SPL at NSRs at Various Floor Levels - KTN F1-3																																									
NSR	AP	Floor	Floor Level, m	SWL S, dB(A)	Slant Distance, m	L, m	W, m	Area, m ²	Area Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	SWL W, dB(A)	Slant Distance, m	L, m	W, m	Area, m ²	Area Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	G1-1 SWL, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	G1-2 SWL, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)						
KTN F1-3	R2B48	1	11.9	102	180	80	9	203676	-3	-5	0	43	102	160	120	9	181391	-3	-5	0	46	121	430	-61	-10	-5	46	109	380	-60	0	0	49	75	95	-8	0	0	28	3	55
		2	13.8	102	180	80	9	203789	-3	-5	0	43	102	160	120	9	181488	-3	-5	0	46	121	430	-61	-10	-5	46	109	380	-60	0	0	49	78	95	-8	0	0	28	3	58
		3	16.6	102	180	80	9	204640	-3	-5	0	43	102	160	120	9	181778	-3	-5	0	46	121	430	-61	-10	-5	46	109	380	-60	0	0	49	75	95	-8	0	0	28	3	58
		4	19.3	102	180	80	9	204492	-3	-5	0	43	102	160	120	9	182261	-3	-5	0	46	121	430	-61	-10	-5	46	109	380	-60	0	0	49	78	96	-8	0	0	28	3	58
		5	22	102	181	80	9	205024	-3	-5	0	43	102	161	120	9	182627	-3	-5	0	46	121	431	-61	-10	-5	46	109	380	-60	0	0	49	75	96	-8	0	0	28	3	58
		6	24.7	102	181	80	9	205957	-3	-5	0	43	102	161	120	9	183808	-3	-5	0	46	121	431	-61	-10	-5	46	109	381	-60	0	0	49	78	97	-8	0	0	28	3	59
		7	27.4	102	182	80	9	206986	-3	-5	0	43	102	162	120	9	184957	-3	-5	0	46	121	431	-61	-10	-5	46	109	381	-60	0	0	49	75	98	-8	0	0	28	3	58
		8	30.1	102	182	80	9	208101	-3	-5	0	43	102	162	120	9	186106	-3	-5	0	46	121	431	-61	-10	-5	46	109	381	-60	0	0	49	78	99	-8	0	0	28	3	58
		9	32.8	102	183	80	9	209457	-3	-5	0	43	102	163	120	9	187585	-3	-5	0	46	121	431	-61	-10	-5	46	109	381	-60	0	0	49	78	100	-8	0	0	28	3	58
		10	35.5	102	184	80	9	210990	-3	-5	0	43	102	164	120	9	189292	-3	-5	0	46	121	431	-61	-10	-5	46	109	382	-60	0	0	49	78	102	-8	0	0	28	3	58

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Predicted SPL at NSRs at Various Floor Levels - H1-1																																			
NSR	AP	Floor	Floor Level, mpsl	SWL S, dB(A)	Slant Distance, m	L, m	W, m	Area, m ²	Area Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	SWL W, dB(A)	Slant Distance, m	L, m	W, m	Area, m ²	Area Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	G1-1 SWL, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	G1-2 SWL, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Screening, dB(A)	Directivity, dB(A)	Noise Level, dB(A)	Facade, dB(A)	Predicted SPL, dB(A)
KTN H1-1	R0021	1	11.1	102	50	80	9	24321	-44	-10	-5	43	103	155	120	9	171854	-52	-10	0	41	121	415	-60	-10	-5	46	109	270	-57	-10	-5	37	3	52
		2	13.8	102	50	80	9	24386	-44	-10	-5	43	103	155	120	9	171909	-52	-10	0	41	121	415	-60	-10	-5	46	109	270	-57	-10	-5	37	3	52
		3	16.6	102	50	80	9	24562	-44	-10	-5	43	103	155	120	9	172073	-52	-10	0	41	121	415	-60	-10	-5	46	109	270	-57	-10	-5	37	3	52



NSR	AP	Floor	mpd	Leq(30min) dB(A)	
				Existing Noise Level	Predicted SPL, dB(A)
KTN F1-3	R2848	1	11	-	56
KTN F1-3	R2848	2	14	-	56
KTN F1-3	R2848	3	17	-	56
KTN F1-3	R2848	4	19	-	56
KTN F1-3	R2848	5	22	-	56
KTN F1-3	R2848	6	25	-	56
KTN F1-3	R2848	7	27	-	56
KTN F1-3	R2848	8	30	-	56
KTN F1-3	R2848	9	33	-	56
KTN F1-3	R2848	10	36	-	56
KTN-45	R1501	1	12	54	54*
KTN H1-1	R9021	1	11	54	52*

*Maximum noise level is presented