

Project: Tung Chung New Town Extension
Project no.: 219844-70
Title: Measured SEL at Ta Pang Po

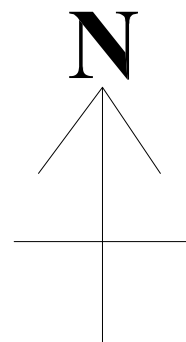
Event	Direction	Mic location	Measured SEL, dB(A)	Measurement Distance from Track, m	Train Length [1], m	Speed, km/h	Correction for SEL dB(A)		Measured SEL (8 cars) at standard condition, dB(A)	Measured SEL (8 cars) adjusted to 1 car at standard condition, dB(A)
							Distance	Speed		
AEL	To Hong Kong Station	1	84.5	25	185.0	131	0.0	0.3	84.8	75.8
		2	81.5	50			3.0	0.3	84.8	75.8
		3	79.3	70			4.5	0.3	84.1	75.0
		1	84.9	25	185.0	126	0.0	0.6	85.5	76.5
		2	81.9	50			3.0	0.6	85.5	76.5
		3	79.7	70			4.5	0.6	84.8	75.7
		1	83.8	25	185.0	129	0.0	0.4	84.2	75.2
		2	81.2	50			3.0	0.4	84.6	75.6
		3	79.0	70			4.5	0.4	83.9	74.8
	To Airport	1	81.7	29	185.0	129	0.6	0.4	82.8	73.7
		2	79.6	54			3.3	0.4	83.4	74.3
		3	77.9	74			4.7	0.4	83.0	74.0
		1	81.1	29	185.0	128	0.6	0.5	82.2	73.2
		2	79.1	54			3.3	0.5	82.9	73.9
		3	77.7	74			4.7	0.5	82.9	73.9
		1	80.9	29	185.0	128	0.6	0.5	82.0	73.0
		2	78.9	54			3.3	0.5	82.7	73.7
		3	77.1	74			4.7	0.5	82.3	73.3
TCL	To Hong Kong Station	1	87.3	25	185.0	129	0.0	0.4	87.7	78.7
		2	83.7	50			3.0	0.4	87.1	78.1
		3	81.4	70			4.5	0.4	86.3	77.2
		1	87.1	25	185.0	123	0.0	0.8	87.9	78.9
		2	84.2	50			3.0	0.8	88.0	79.0
		3	82.0	70			4.5	0.8	87.3	78.2
		1	86.8	25	185.0	123	0.0	0.8	87.6	78.6
		2	84.0	50			3.0	0.8	87.8	78.8
		3	81.6	70			4.5	0.8	86.9	77.8
	To Tung Chung	1	84.8	29	185.0	126	0.6	0.6	86.0	77.0
		2	82.4	54			3.3	0.6	86.3	77.3
		3	80.3	74			4.7	0.6	85.6	76.6
		1	84.1	29	185.0	132	0.6	0.2	85.0	75.9
		2	81.7	54			3.3	0.2	85.3	76.2
		3	80.0	74			4.7	0.2	84.9	75.9
		1	84.2	29	185.0	126	0.6	0.6	85.4	76.4
		2	81.6	54			3.3	0.6	85.5	76.5
		3	79.7	74			4.7	0.6	85.0	76.0
		1	82.6	29	185.0	124	0.6	0.7	84.0	75.0
		2	80.3	54			3.3	0.7	84.4	75.4
		3	77.9	74			4.7	0.7	83.3	74.3
		1	82.2	29	185.0	125	0.6	0.7	83.5	74.5
		2	79.5	54			3.3	0.7	83.5	74.5
		3	77.8	74			4.7	0.7	83.2	74.2
								Max	88.0	79.0
Source Term in MTRC LAR EIA	-	-	86	25.0	185.0	135	0.0	0.0	92.9	83.9
-	-	86	25.0	225.0	135	0.0	0.0	93.9		

Notes:

[1] Current (Nov 2013) LAR and AEL trains are with 8 cars and are 185m in length

The measurement has been taken in free field condition near a straight ballast track section whereas the measurements data contain both AEL and TCL trains.

There is no screening structure between the track and the measurement locations.



Measurement points for railway noise source term: Between Ta Pang Po Offtake and Pigging Station and Sunny Bay Salt Water Pumping Station

Note:

1. Measurement point at 5m above ground level without facade correction
2. Exact location subject to on-site measurement condition

