

Appendix 7.6 Operational Ground-borne Noise Result

Remarks

- 1 10dB safety factor is adopted for compliance with NCO Statutory Criteria.
- 2 FDL of SP1900 measured in Pat Heung Depot in 2003 was adopted in the assessment. Train speed correction of $20\log(V/V_{ref})$ is applied to FDL.
- 3 $L_{max, slow}$ is calculated by adding 0.5dB(A) on top of the double passby noise level, with reference to WIL EIA
- 4 $SEL = L_{eq, passby} + 10 \log(\text{passby duration}) + 3\text{dB Head Tail Effect}$, with reference to WIL EIA
 $L_{eq, 30min} = SEL + 10 \log(\text{peak time train frequency}) - 10 \log(1800)$
 - * Daytime peak train frequency = 15 per 30min per direction
 - * Nighttime peak train frequency = 12 per 30min per direction
- 5 850 trains in both directions per day was used in the computation of $Leq(24hrs)$

