

MA ON SHAN RAIL NOISE MITIGATION MEASURES

Multi-plenum System

The primary noise control measure of Ma On Shan Rail is the multi-plenum system which absorbs noise and minimises its emission at source through several complementary absorption and isolation elements, which include the trackside rail noise absorbers, under car noise absorbing materials and parapets along the viaduct.

Noise measurements

The noise levels of the trains running on Ma On Shan Rail have been jointly monitored with the Environmental Protection Department (EPD) at six representative worst-case Noise Sensitive Receivers (NSRs). These representative worst-case NSRs cover a variety of site conditions (such as in close proximity to the viaduct, station platform, and adjacent to curve sections, etc.) for noise measurement. The measurement results are listed as follows -

Location	Measured Train Noise Level	Criteria
Block 5, Villa Athena	51	55
Block 2, Ma On Shan Centre	47	55
Block 2, Fok On Garden	53	55
Block A, Green Leaves Garden	54	60
Ashley Garden, Shatin Park	53	60
Pok Yue House, Pok Hong Estate	51	55

Note: Noise levels in unit of A-weighted decibels [dB(A)] are measured via the 30-minute equivalent level [L_{eq} (30 minute)].