

Appendix 4.12
Helicopter Noise Assessment

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With reference to the *Final EIA Study for Helipad at Yung Shue Wan, Lamma Island* (approved in January 2006), the measured L_{max} for EC 155B and AS 332 L2 are 87.7 dB(A) and 90.6 dB(A) respectively at reference distance of 150m. The noise assessment is undertaken based on the noise level associated with an AS 332 L2 helicopter as a conservative approach.

With the helicopter noise criteria of L_{max} 85 dB(A) for residential dwellings, the minimum distance from the helipad for residential dwellings

$$= 10^{[(90.6 + 20\log(150) - 85) / 20]}$$

$$= 286\text{m}$$