Subject: Planning Application Clarification PLA-2026-000733 - 1 William Lunt - Noise Assessment

Dear Josh,

Regarding your question about the MCS 020(a) noise assessment:

We have cross-referenced the manufacturer's technical specifications against the MCS 020 calculation procedure to ensure compliance with local residential acoustic amenity standards. The installation complies due to the following site-specific factors:

1. **Distance Attenuation:** The outdoor unit is situated approximately **8 meters** away from the nearest habitable room window/door on the neighbouring property, providing significant natural acoustic attenuation over distance (approx. **-27 dB**).
2. **Acoustic Barrier Screening:** There is an existing solid boundary wall that completely breaks the direct line of sight between the outdoor unit and the neighbour's closest window. Following the MCS 020 guidance notes, this physical barrier provides an additional minimum reduction of **-5 dB**.
3. **Low Noise Profile:** The Daikin unit operates with a nominal sound pressure level of only 46–47 dBA at the source.

When the MCS 020 calculation matrix is applied (factoring in the corner directivity index, 8-meter distance drop, and barrier mitigation), the predicted noise level at the neighbour's property boundary falls comfortably below the 42 dB target threshold.

I have taken a photo to illustrate the above:



Kind regards,

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