



# Azymuth Acoustics UK

Professional Acoustic Services

## Noise Monitoring to Support Discharge of Planning Condition 10b Ref: Z57053

**8no. Apartments & 5no. Houses,**  
Cross Lane and Varey Street,  
Manchester

On behalf of

### **R&M Property Group**

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## Contents

|            |                                                                            |           |
|------------|----------------------------------------------------------------------------|-----------|
| <b>1.0</b> | <b>Introduction .....</b>                                                  | <b>4</b>  |
| <b>1.1</b> | <b>Measurement Procedure .....</b>                                         | <b>4</b>  |
| <b>2.0</b> | <b>Assessment Criteria .....</b>                                           | <b>5</b>  |
| <b>2.1</b> | <b>British Standard 8233: 2014 .....</b>                                   | <b>5</b>  |
| <b>2.2</b> | <b>World Health Organisation Environmental Noise Guidelines 2018 .....</b> | <b>5</b>  |
| <b>2.3</b> | <b>Manchester City Council Planning Application 136203/FO/2023.....</b>    | <b>6</b>  |
| <b>3.0</b> | <b>Assessment of Results .....</b>                                         | <b>7</b>  |
| <b>3.1</b> | <b>Summary of Measurement Results .....</b>                                | <b>7</b>  |
| <b>3.2</b> | <b>Assessment with respect to Planning Conditions.....</b>                 | <b>8</b>  |
| <b>4.0</b> | <b>Summary.....</b>                                                        | <b>9</b>  |
|            | <b>Appendix A – Glossary of Acoustic Terms.....</b>                        | <b>10</b> |
|            | <b>Appendix B – Noise Survey Data .....</b>                                | <b>11</b> |
|            | <b>Appendix C – Graphical Representation of Noise Data .....</b>           | <b>19</b> |

## 1.0 Introduction

Azymuth Acoustics UK (henceforth Azymuth) has been appointed by R&M Property Group to undertake noise monitoring at a new build development site consisting of 8no. apartments and 5no. houses located at the Cross Lane / Varey Street, Manchester.

Noise monitoring has been instructed in order to assist with the discharge of Planning Condition 10b in relation to internal noise levels, as per the Planning Decision Notice for Application 136203/FO/2023.

## 1.1 Measurement Procedure

The instrumentation used for the acoustic testing consisted of 2no. SvanTek 971, 1no. SvanTek 977 and 1no. NTi XL2-TA type 1 precision sound level meters. The equipment was calibrated before and after measurements. The sound level meters measured A-weighted (fast response) noise levels as well as octave bands noise levels for all measurement record.

Measurements were taken in the bedrooms and living rooms of Plot 1 Cross Lane and Plot 1 Varey Street. These locations were chosen as they would be deemed to be the dwellings worst affected by noise. The instrumentation measured the internal noise levels to be experienced by the apartments over a continuous time period taking into account rush-hour as well as night-time.

Measurements were undertaken over the below periods:

| Plot                | Room        | Start<br>Date – Time | End<br>Date – Time  |
|---------------------|-------------|----------------------|---------------------|
| <b>Cross Lane</b>   |             |                      |                     |
| <b>1</b>            | Living Room | 21/11/25 – 13:45:00  | 24/11/25 – 07:45:00 |
|                     | Bedroom     | 28/11/25 – 15:15:00  | 01/12/25 – 08:15:00 |
| <b>Varey Street</b> |             |                      |                     |
| <b>1</b>            | Living Room | 15/01/26 – 09:00:00  | 16/01/26 – 07:30:00 |
|                     | Bedroom     | 15/01/26 – 09:00:00  | 16/01/26 – 08:00:00 |

*Table 1 – Measurement durations*

Full results of the noise levels recorded during the course of the survey are included in Appendix B of this report.

## 2.0 Assessment Criteria

In order to assess the extent of any measures required in order to comply with suitable conditions relating to potential noise sources, Azymuth has reviewed various guidance documents and standards, these include:

- British Standard 8233: 2014
- World Health Organisation Environmental Noise Guidelines 2018
- Manchester City Council Planning Application 136203/FO/2023 Condition 10b

### 2.1 British Standard 8233: 2014

“Guidance on sound insulation and noise reduction for buildings” (BS 8233) provides a code of practice for the sound insulation of a variety of building types affected by general environmental noise. It provides recommendations for control of noise in and around buildings and suggests appropriate internal ambient noise level criteria / limits for a variety of different situations including residential properties.

The following table summarises the noise limits suggested by BS 8233 applying to residential properties:

| Activity                   | Room               | Good Design Range $L_{Aeq, T}$ dB |                |
|----------------------------|--------------------|-----------------------------------|----------------|
|                            |                    | 07:00-23:00hrs                    | 23:00-07:00hrs |
| Resting                    | Living Room        | 35                                | -              |
| Dining                     | Dining Room / Area | 40                                | -              |
| Sleeping (daytime resting) | Bedroom (at night) | 35                                | 30             |

Table 2 – Noise Limits for Residential Properties Suggested in BS 8233

### 2.2 World Health Organisation Environmental Noise Guidelines 2018

The main purpose of the 2018 WHO guidelines is to provide recommendations for protecting human health from exposure to environmental noise originating from the following sources: transportation (road traffic, railway and aircraft), wind turbines and leisure activities.

The guidelines set out to define recommended exposure levels for environmental noise in order to protect population health. Exposure limits are average levels defined over a period of one year, measured outdoors in free field at the most exposed façade. It should be noted that the document does not provide guideline limit values for multiple noise sources in combination.

The Environmental Noise Guidelines (ENG) 2018 guidelines supersede the Community Noise Guidelines (CNG) from 1999. Nevertheless, the document recommends that all CNG indoor guideline values and any values not covered by the current guidelines should remain valid. As such, the following guidance would remain appropriate:

For protection against sleep disturbance inside dwellings, night-time noise levels should not exceed 30dB  $L_{Aeq}$  for continuous noise and 45dB  $L_{Amax}$  for typical single sound events (which are exceeded 15 times or more per night – see ProPG Appendix A.12 for more details).

To protect the majority of people from being seriously annoyed during the daytime, the outdoor sound level from steady, continuous noise (interpreted as noise from all sources combined) should not exceed 55dB  $L_{Aeq}$  on balconies, terraces and in outdoor living areas.



It should be noted that exposure levels defined in ENG and CNG are for guidance purposes as relates potential adverse health impacts and should not be interpreted as absolute limits or regulations.

## **2.3 Manchester City Council Planning Application 136203/FO/2023**

### **2.3.1 Condition 10b**

*'b) Prior to the first occupation of the residential units, a verification report shall be required to validate that the work undertaken throughout the development conforms to the recommendations and requirements in the approved acoustic consultant's report. The report shall also undertake post completion testing to confirm that the internal noise criteria have been met. Any instances of non-conformity with the recommendations in the report shall be detailed along with any measures required to ensure compliance with the internal noise criteria.'*

*Reason: To secure a reduction in noise from traffic or other sources in order to protect future residents from noise disturbance pursuant to policies SP1 and DM1 of the Core Strategy for the City of Manchester'*



### 3.0 Assessment of Results

#### 3.1 Summary of Measurement Results

##### 3.1.1 Plot 1 Cross Lane Living Room

The following table summarises the noise measurement data for the Living Room of Plot 1 Cross Lane over the measurement period.

| Location    | Period | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|-------------|--------|-------------------|------------------|------------------|------------------|------------------|
| Living Room | Day    | 51.2              | 34.3             | 37.2             | 30.1             | 23.8             |
| Living Room | Night  | 46.5              | 28.7             | 30.8             | 21.8             | 19.8             |

Table 3 – Summary of daytime and night-time noise levels Plot 1 Cross Lane Living Room

##### 3.1.2 Plot 1 Cross Lane Bedroom

The following table summarises the noise measurement data for the Bedroom of Plot 1 Cross Lane over the measurement period.

| Location | Period | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|----------|--------|-------------------|------------------|------------------|------------------|------------------|
| Bedroom  | Day    | 52.0              | 35.8             | 38.6             | 31.8             | 25.3             |
| Bedroom  | Night  | 47.1              | 29.9             | 32.2             | 22.9             | 20.0             |

Table 4 – Summary of daytime and night-time noise levels Plot 1 Cross Lane Bedroom

- 15<sup>th</sup> highest night-time L<sub>Amax</sub> value = 52.1dB inside Bedroom of Plot 1 Cross Lane

##### 3.1.3 Plot 1 Varey Street Living Room

The following table summarises the noise measurement data for the Living Room of Plot 1 Varey Street over the measurement period.

| Location    | Period | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|-------------|--------|-------------------|------------------|------------------|------------------|------------------|
| Living Room | Day    | 52.7              | 35.3             | 39.0             | 27.7             | 21.7             |
| Living Room | Night  | 47.5              | 26.7             | 24.8             | 19.8             | 19.3             |

Table 5 – Summary of daytime and night-time noise levels Plot 1 Varey Street Living Room



### 3.1.4 Plot 1 Varey Street Bedroom

The following table summarises the noise measurement data for the Bedroom of Plot 1 Varey Street over the measurement period.

| Location | Period | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|----------|--------|-------------------|------------------|------------------|------------------|------------------|
| Bedroom  | Day    | 53.9              | 37.4             | 41.1             | 31.4             | 26.1             |
| Bedroom  | Night  | 49.0              | 29.3             | 28.9             | 22.2             | 20.7             |

Table 6 – Summary of daytime and night-time noise levels Plot 1 Varey Street Bedroom

- 15<sup>th</sup> highest night-time L<sub>Amax</sub> value = 53.5 dB inside Bedroom of Plot 1 Varey Street

Full results of the noise levels recorded during the course of the survey are included in Appendix B of this report.

### 3.2 Assessment with Respect to Planning Conditions

The following table details the target indoor ambient and measured noise levels for Plot 1 at both Cross Street and Varey Street with respect to Planning Condition 10b.

| Plot.                         | Room        | Target Indoor Ambient Noise Level                                                 | Measured Ambient Noise Level                                                               | Compliance                   |
|-------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------|
| <b>1<br/>Cross<br/>Street</b> | Living room | ≤35dB L <sub>Aeq, day</sub>                                                       | 34.3dB L <sub>Aeq, day</sub>                                                               | <b>Compliant</b>             |
|                               | Bedroom     | ≤30dB L <sub>Aeq, night</sub><br>≤45dB L <sub>Amax</sub> 15 <sup>th</sup> highest | 29.9dB L <sub>Aeq, night</sub><br>52.1dB L <sub>Amax, night</sub> 15 <sup>th</sup> highest | <b>Broadly<br/>Compliant</b> |
| <b>1<br/>Varey<br/>Street</b> | Living room | ≤35dB L <sub>Aeq, day</sub>                                                       | 35.3dB L <sub>Aeq, day</sub>                                                               | <b>Broadly<br/>Compliant</b> |
|                               | Bedroom     | ≤30dB L <sub>Aeq, night</sub><br>≤45dB L <sub>Amax</sub> 15 <sup>th</sup> highest | 29.3dB L <sub>Aeq, night</sub><br>53.5dB L <sub>Amax, night</sub> 15 <sup>th</sup> highest | <b>Broadly<br/>Compliant</b> |

Table 7 – Assessment of results

#### 3.2.1 Comments / Room Finishes

At the time of testing all plots were finished in terms of walls, floors and windows etc. but fully unfurnished with an estimated reverberation time of 1.1 seconds due to hard surface finishes, measured noise levels indicate minor exceedances of the target noise criteria.

Once furnished Azymuth would anticipate reverberation times to be <0.5 seconds resulting in a 4-6dB reduction in noise levels due to the acoustic absorption offered by carpet, bedding and other soft furnishings.

## 4.0 Summary

Azymuth has been appointed by R&M Property Group to undertake noise monitoring at a new build development consisting of 8no. apartments and 5no. houses located at Cross Lane/Varey Street, Gorton, Manchester.

In the Planning Decision Notice for Application 136203/FO/2023 Planning Condition 10b was issued by Manchester City Council which stated a verification report shall be required to validate that the relevant internal noise level targets have been met.

The internal noise level targets are as follows:

- Bedrooms (night-time - 23.00 - 07.00) 30dB  $L_{Aeq}$  (individual noise events shall not exceed 45dB  $L_{Amax,F}$  by more than 15 times)
- Living Rooms (daytime - 07.00 - 23.00) 35dB  $L_{Aeq}$
- Gardens and terraces (daytime) 55dB  $L_{Aeq}$

### Plot 1 Cross Lane

The daytime noise levels in the Living Room of Plot 1 Cross Lane were measured to be 34.3dB  $L_{Aeq, 16hr}$ , the night-time noise levels in the Bedroom of Plot 1 Cross Lane were measured to be 29.9dB  $L_{Aeq, 8hr}$ . The 15<sup>th</sup> highest night-time  $L_{Amax}$  value was measured to be 52.1dB. The measured noise levels are broadly compliant with the target criteria.

### Plot 1 Varey Street

The daytime noise levels in the Living Room of Plot 1 Varey Street were measured to be 35.3dB  $L_{Aeq, 16hr}$ , the night-time noise levels in the Bedroom of Plot 1 Varey Street were measured to be 29.3dB  $L_{Aeq, 8hr}$ . The 15<sup>th</sup> highest night-time  $L_{Amax}$  value was measured to be 53.5dB. The measured noise levels are broadly compliant with the target criteria.

### Comments

At the time of testing all plots were finished but unfurnished with an estimated reverberation time of 1.1 seconds due to hard surface finishes, measured noise levels indicate minor exceedances of the target noise criteria. Once furnished Azymuth would anticipate reverberation times to be <0.5 seconds resulting in a 4-6dB reduction in noise levels due to the acoustic absorption offered by carpet, bedding and other soft furnishings.

Azymuth anticipate fully compliant noise levels once plots are fully furnished and carpet has been installed.



## Appendix A – Glossary of Acoustic Terms

### Decibel (dB)

This is the unit used to measure sound. The human ear has an approximately logarithmic response to acoustic pressure over a very large dynamic range (typically 20 micro Pascal to 100 Pascal).

### dB (A)

This is a measure of the overall noise level of sound across the audible spectrum with a frequency weighting (i.e. A-weighting) to compensate for the sensitivity of the human ear to sound of different frequencies. The A-weighting curve is implemented in sound level meters using an electronic filter that approximately corresponds to the frequency response of the ear.

### Octave Band Noise Level

The human ear is sensitive to sound over a range of frequencies between approximately 20Hz to 20kHz. The ear is also generally more sensitive to medium and high frequencies than to low frequencies. In order to define the frequency content of a noise, the spectrum can be divided into frequency bands. The most commonly used frequency bands are octave bands, in which the mid-frequency of each band is twice that of the band below it.

### $L_{Aeq}$

This is the equivalent steady sound level in dB(A) containing the same acoustic energy as the actual fluctuating sound level over a given time period.

### Reverberation Time (RT or sometimes $T_{30}$ or $T_{60}$ )

This is the time taken for the reverberant sound energy in an enclosure to decay one millionth of its equilibrium value, i.e. by 60dB, after the source has been switched off. The reverberation time is frequency dependent and it is customary to measure its value in octave or one-third octave bands. Reverberation occurs when sound waves are repeatedly reflected from each surface of the room.

### Sound Reduction Index (SRI)

Difference measured between the amount of energy flowing towards the wall in the source room and the total amount of energy entering the receiving room (usual range 100 - 3150Hz for one third octave band values). The SRI varies with frequency and is measured in a laboratory in either octave or one-third octave bands.

$SRI = L_1 - L_2 + 10 \log (S/A)$ , where:

$L_1$  = Noise level in the source room

$L_2$  = Noise levels in the receiving room

$S$  = Surface area of test specimen

$A$  = Equivalent acoustic absorption area in the receiving room

### Weighted Sound Reduction Index ( $R_w$ )

This is a weighted single figure descriptor of the sound insulation performance of a partition measured under laboratory conditions. The procedure used to quantify the  $R_w$  is to compare the sound reduction index (SRI) in each of the one-third octave bands from 100Hz to 3150Hz against a set of standard reference curves.



## Appendix B – Noise Survey Data

### Cross Street – Plot 1

| Start                                         | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|-----------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| <b>Friday 12<sup>th</sup> December 2025</b>   |       |          |                   |                  |                  |                  |                  |
| 16:30:00                                      | CS1KL | 00:30:00 | 56.3              | 34.4             | 37.2             | 32.2             | 28               |
| 17:00:00                                      | CS1KL | 00:30:00 | 46.8              | 33.7             | 37               | 31.9             | 26.2             |
| 17:30:00                                      | CS1KL | 00:30:00 | 55.9              | 34.3             | 37               | 31.6             | 25.6             |
| 18:00:00                                      | CS1KL | 00:30:00 | 57.2              | 34.4             | 37.7             | 32.3             | 26.2             |
| 18:30:00                                      | CS1KL | 00:30:00 | 46                | 33.2             | 36.7             | 30.9             | 25.1             |
| 19:00:00                                      | CS1KL | 00:30:00 | 52.7              | 34.6             | 37.4             | 32.2             | 25.8             |
| 19:30:00                                      | CS1KL | 00:30:00 | 48.5              | 33.7             | 37.1             | 31.4             | 24.7             |
| 20:00:00                                      | CS1KL | 00:30:00 | 55.7              | 34.3             | 37.6             | 32               | 24.1             |
| 20:30:00                                      | CS1KL | 00:30:00 | 48.1              | 33.3             | 37.2             | 30.4             | 23.6             |
| 21:00:00                                      | CS1KL | 00:30:00 | 45.1              | 32.5             | 36.3             | 29.9             | 22.9             |
| 21:30:00                                      | CS1KL | 00:30:00 | 55                | 33.8             | 37               | 29.1             | 21.8             |
| 22:00:00                                      | CS1KL | 00:30:00 | 44.5              | 31.7             | 35.6             | 28.1             | 21.7             |
| 22:30:00                                      | CS1KL | 00:30:00 | 64.1              | 35.7             | 36.5             | 28.2             | 21.5             |
| 23:00:00                                      | CS1KL | 00:30:00 | 68.2              | 35.3             | 36.1             | 26.1             | 20.6             |
| 23:30:00                                      | CS1KL | 00:30:00 | 44.9              | 30.8             | 35               | 25.4             | 20.8             |
| <b>Saturday 13<sup>th</sup> December 2025</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                      | CS1KL | 00:30:00 | 52.8              | 32.4             | 36               | 26.6             | 20.4             |
| 00:30:00                                      | CS1KL | 00:30:00 | 47.3              | 31.5             | 35.7             | 26.1             | 20               |
| 01:00:00                                      | CS1KL | 00:30:00 | 41.3              | 28.3             | 32.9             | 21.6             | 19.4             |
| 01:30:00                                      | CS1KL | 00:30:00 | 44                | 27.2             | 31.5             | 20.1             | 19.4             |
| 02:00:00                                      | CS1KL | 00:30:00 | 42.8              | 26.8             | 30.3             | 20.5             | 19.4             |
| 02:30:00                                      | CS1KL | 00:30:00 | 56.7              | 28.9             | 29.3             | 20               | 19.4             |
| 03:00:00                                      | CS1KL | 00:30:00 | 46                | 26.3             | 27.4             | 19.6             | 19.3             |
| 03:30:00                                      | CS1KL | 00:30:00 | 55.5              | 27.4             | 30               | 19.7             | 19.3             |
| 04:00:00                                      | CS1KL | 00:30:00 | 52.7              | 27               | 28.6             | 19.7             | 19.3             |
| 04:30:00                                      | CS1KL | 00:30:00 | 45.3              | 25.5             | 27.9             | 19.6             | 19.3             |
| 05:00:00                                      | CS1KL | 00:30:00 | 41                | 24.3             | 25.8             | 19.6             | 19.3             |
| 05:30:00                                      | CS1KL | 00:30:00 | 51.1              | 27.4             | 29               | 19.7             | 19.3             |
| 06:00:00                                      | CS1KL | 00:30:00 | 45.1              | 27               | 30.5             | 20.1             | 19.4             |
| 06:30:00                                      | CS1KL | 00:30:00 | 47.1              | 27.3             | 30.4             | 20.7             | 19.4             |
| 07:00:00                                      | CS1KL | 00:30:00 | 45.4              | 29.7             | 33.9             | 22.4             | 19.5             |
| 07:30:00                                      | CS1KL | 00:30:00 | 51.8              | 30.4             | 33.7             | 22.5             | 19.5             |
| 08:00:00                                      | CS1KL | 00:30:00 | 48.3              | 30.8             | 35               | 24.5             | 20.8             |
| 08:30:00                                      | CS1KL | 00:30:00 | 45.8              | 32.4             | 36.5             | 27.3             | 22.3             |
| 09:00:00                                      | CS1KL | 00:30:00 | 51.7              | 33.5             | 37.6             | 28.8             | 22.5             |
| 09:30:00                                      | CS1KL | 00:30:00 | 49.3              | 34               | 38               | 30.4             | 23.1             |
| 10:00:00                                      | CS1KL | 00:30:00 | 51.7              | 34.7             | 38.4             | 31.9             | 24.7             |
| 10:30:00                                      | CS1KL | 00:30:00 | 52.7              | 34.8             | 38.3             | 32.1             | 24.6             |
| 11:00:00                                      | CS1KL | 00:30:00 | 54.1              | 34.8             | 38.1             | 32               | 25.4             |
| 11:30:00                                      | CS1KL | 00:30:00 | 50.3              | 34.6             | 37.9             | 32.7             | 26.1             |
| 12:00:00                                      | CS1KL | 00:30:00 | 55                | 35               | 38.1             | 32.7             | 25.2             |
| 12:30:00                                      | CS1KL | 00:30:00 | 48                | 34.1             | 37.4             | 32.2             | 25.9             |
| 13:00:00                                      | CS1KL | 00:30:00 | 50.9              | 34.9             | 38.1             | 32.6             | 25.9             |
| 13:30:00                                      | CS1KL | 00:30:00 | 53.3              | 34.8             | 38.1             | 32.6             | 26.3             |



| Start                                       | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|---------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| 14:00:00                                    | CS1KL | 00:30:00 | 50.9              | 34.9             | 38.1             | 32.7             | 26.5             |
| 14:30:00                                    | CS1KL | 00:30:00 | 54.8              | 35               | 38.1             | 32.3             | 26.2             |
| 15:00:00                                    | CS1KL | 00:30:00 | 64.5              | 37.1             | 38.4             | 33               | 26               |
| 15:30:00                                    | CS1KL | 00:30:00 | 56.6              | 35.8             | 38.4             | 33.1             | 26.4             |
| 16:00:00                                    | CS1KL | 00:30:00 | 58.5              | 34.6             | 37.1             | 31.8             | 25.1             |
| 16:30:00                                    | CS1KL | 00:30:00 | 50                | 33.6             | 37.1             | 31.2             | 24.4             |
| 17:00:00                                    | CS1KL | 00:30:00 | 46.5              | 33               | 36.6             | 30.8             | 24.9             |
| 17:30:00                                    | CS1KL | 00:30:00 | 50                | 33.9             | 37.4             | 31.3             | 24.6             |
| 18:00:00                                    | CS1KL | 00:30:00 | 50.7              | 34               | 37.4             | 32               | 25.3             |
| 18:30:00                                    | CS1KL | 00:30:00 | 47.2              | 33.3             | 36.9             | 31               | 24.4             |
| 19:00:00                                    | CS1KL | 00:30:00 | 51.8              | 33.4             | 36.5             | 30.6             | 23.4             |
| 19:30:00                                    | CS1KL | 00:30:00 | 69.3              | 39.8             | 37               | 30.8             | 23.4             |
| 20:00:00                                    | CS1KL | 00:30:00 | 44.7              | 32.8             | 36.6             | 29.9             | 22.8             |
| 20:30:00                                    | CS1KL | 00:30:00 | 50.1              | 32.9             | 36.5             | 30.1             | 22.5             |
| 21:00:00                                    | CS1KL | 00:30:00 | 47.9              | 32.4             | 36.1             | 29.7             | 22.3             |
| 21:30:00                                    | CS1KL | 00:30:00 | 48.1              | 31.3             | 35.4             | 27.2             | 21.5             |
| 22:00:00                                    | CS1KL | 00:30:00 | 47.6              | 31.2             | 35.3             | 27.4             | 21               |
| 22:30:00                                    | CS1KL | 00:30:00 | 48.4              | 30.8             | 35.1             | 26.3             | 20.4             |
| 23:00:00                                    | CS1KL | 00:30:00 | 45                | 30.7             | 35.1             | 25.5             | 20.8             |
| 23:30:00                                    | CS1KL | 00:30:00 | 47.2              | 30.7             | 34.7             | 26.2             | 20               |
| <b>Sunday 14<sup>th</sup> December 2025</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                    | CS1KL | 00:30:00 | 51.4              | 29.2             | 33.5             | 22.2             | 19.5             |
| 00:30:00                                    | CS1KL | 00:30:00 | 49.6              | 29.7             | 33.8             | 23.1             | 19.5             |
| 01:00:00                                    | CS1KL | 00:30:00 | 43.8              | 28.6             | 33               | 21.9             | 19.5             |
| 01:30:00                                    | CS1KL | 00:30:00 | 46.1              | 28.1             | 32.7             | 21.2             | 19.4             |
| 02:00:00                                    | CS1KL | 00:30:00 | 41.2              | 26.7             | 31.2             | 20.1             | 19.4             |
| 02:30:00                                    | CS1KL | 00:30:00 | 47.3              | 27.1             | 30.8             | 20.4             | 19.4             |
| 03:00:00                                    | CS1KL | 00:30:00 | 41.6              | 24.7             | 27.1             | 19.7             | 19.3             |
| 03:30:00                                    | CS1KL | 00:30:00 | 40.6              | 25               | 29.1             | 19.6             | 19.3             |
| 04:00:00                                    | CS1KL | 00:30:00 | 39.1              | 24.6             | 28.3             | 19.6             | 19.3             |
| 04:30:00                                    | CS1KL | 00:30:00 | 40.4              | 24.6             | 27               | 19.6             | 19.3             |
| 05:00:00                                    | CS1KL | 00:30:00 | 40.1              | 24               | 26.4             | 19.7             | 19.3             |
| 05:30:00                                    | CS1KL | 00:30:00 | 41.4              | 22               | 22.7             | 19.6             | 19.3             |
| 06:00:00                                    | CS1KL | 00:30:00 | 42.4              | 25.9             | 28.7             | 19.7             | 19.3             |
| 06:30:00                                    | CS1KL | 00:30:00 | 47                | 29.2             | 33.1             | 20.4             | 19.4             |
| 07:00:00                                    | CS1KL | 00:30:00 | 47.8              | 28.9             | 33.1             | 21.6             | 19.4             |
| 07:30:00                                    | CS1KL | 00:30:00 | 43.6              | 28.6             | 32.9             | 22.2             | 19.5             |
| 08:00:00                                    | CS1KL | 00:30:00 | 49                | 30.5             | 34.5             | 23.4             | 19.7             |
| 08:30:00                                    | CS1KL | 00:30:00 | 43.3              | 30.5             | 35.2             | 24.5             | 20.2             |
| 09:00:00                                    | CS1KL | 00:30:00 | 46.5              | 30.3             | 34.5             | 24.4             | 20.1             |
| 09:30:00                                    | CS1KL | 00:30:00 | 47.5              | 33.2             | 37.8             | 27.3             | 21.7             |
| 10:00:00                                    | CS1KL | 00:30:00 | 45.4              | 34.2             | 38.4             | 30.2             | 23.7             |
| 10:30:00                                    | CS1KL | 00:30:00 | 45.8              | 35.2             | 39.3             | 32.3             | 23.6             |
| 11:00:00                                    | CS1KL | 00:30:00 | 47.1              | 34.5             | 38.6             | 31.2             | 24.3             |
| 11:30:00                                    | CS1KL | 00:30:00 | 52                | 35.5             | 39.4             | 33               | 25.1             |
| 12:00:00                                    | CS1KL | 00:30:00 | 46.6              | 36.3             | 40               | 34.2             | 26.7             |
| 12:30:00                                    | CS1KL | 00:30:00 | 56                | 37               | 40.2             | 34.4             | 26.5             |
| 13:00:00                                    | CS1KL | 00:30:00 | 64.9              | 39.3             | 41.2             | 35.4             | 27.6             |
| 13:30:00                                    | CS1KL | 00:30:00 | 47                | 35.9             | 39.6             | 33.9             | 26.9             |



| Start                                       | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|---------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| 14:00:00                                    | CS1KL | 00:30:00 | 49.8              | 35.6             | 39.3             | 33.5             | 26.4             |
| 14:30:00                                    | CS1KL | 00:30:00 | 55.5              | 35.6             | 39               | 33.1             | 26.1             |
| 15:00:00                                    | CS1KL | 00:30:00 | 47.6              | 35.4             | 39.1             | 33.3             | 26.1             |
| 15:30:00                                    | CS1KL | 00:30:00 | 55.5              | 36.7             | 40               | 34.4             | 27.4             |
| 16:00:00                                    | CS1KL | 00:30:00 | 52.9              | 35.6             | 39.5             | 32.5             | 25.8             |
| 16:30:00                                    | CS1KL | 00:30:00 | 60.5              | 36.9             | 39.2             | 33.1             | 25.4             |
| 17:00:00                                    | CS1KL | 00:30:00 | 59.5              | 36.2             | 39.4             | 32.8             | 25.9             |
| 17:30:00                                    | CS1KL | 00:30:00 | 52.2              | 35.6             | 39.5             | 33               | 24.7             |
| 18:00:00                                    | CS1KL | 00:30:00 | 45.3              | 33.6             | 37.6             | 30.5             | 24.4             |
| 18:30:00                                    | CS1KL | 00:30:00 | 46.7              | 33.6             | 37.4             | 30.9             | 24.2             |
| 19:00:00                                    | CS1KL | 00:30:00 | 46                | 32.9             | 37.1             | 29.4             | 23               |
| 19:30:00                                    | CS1KL | 00:30:00 | 57                | 32.6             | 36.4             | 28.3             | 22               |
| 20:00:00                                    | CS1KL | 00:30:00 | 57.1              | 33.9             | 36.2             | 29               | 22.1             |
| 20:30:00                                    | CS1KL | 00:30:00 | 44.8              | 31.8             | 35.8             | 27.9             | 21.5             |
| 21:00:00                                    | CS1KL | 00:30:00 | 56.8              | 31.5             | 35.2             | 27.3             | 21.6             |
| 21:30:00                                    | CS1KL | 00:30:00 | 55                | 31.8             | 35.3             | 27               | 21.7             |
| 22:00:00                                    | CS1KL | 00:30:00 | 53.2              | 30.2             | 34               | 25.5             | 20.6             |
| 22:30:00                                    | CS1KL | 00:30:00 | 46.5              | 29.6             | 33.7             | 24.8             | 20.6             |
| 23:00:00                                    | CS1KL | 00:30:00 | 47.2              | 29.1             | 33.5             | 23.2             | 20               |
| 23:30:00                                    | CS1KL | 00:30:00 | 40.2              | 27.4             | 32               | 21.5             | 19.4             |
| <b>Monday 15<sup>th</sup> December 2025</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                    | CS1KL | 00:30:00 | 45.1              | 27.6             | 32.2             | 21.1             | 19.4             |
| 00:30:00                                    | CS1KL | 00:30:00 | 52.5              | 29.6             | 33.1             | 21               | 19.4             |
| 01:00:00                                    | CS1KL | 00:30:00 | 50.6              | 29.3             | 33.7             | 21               | 19.4             |
| 01:30:00                                    | CS1KL | 00:30:00 | 48.3              | 28.2             | 30.4             | 20.3             | 19.4             |
| 02:00:00                                    | CS1KL | 00:30:00 | 42.8              | 26               | 27.2             | 19.7             | 19.3             |
| 02:30:00                                    | CS1KL | 00:30:00 | 44                | 26.5             | 27.3             | 21.7             | 19.7             |
| 03:00:00                                    | CS1KL | 00:30:00 | 50.8              | 27.9             | 26.5             | 21.9             | 20               |
| 03:30:00                                    | CS1KL | 00:30:00 | 48.3              | 27.6             | 28               | 22.1             | 19.8             |
| 04:00:00                                    | CS1KL | 00:30:00 | 42.7              | 27.2             | 29.6             | 23.7             | 20.4             |
| 04:30:00                                    | CS1KL | 00:30:00 | 46.9              | 28               | 28.3             | 23.3             | 20.5             |
| 05:00:00                                    | CS1KL | 00:30:00 | 42                | 27.4             | 28.8             | 23.1             | 20.2             |
| 05:30:00                                    | CS1KL | 00:30:00 | 46.7              | 28.7             | 30.2             | 24.1             | 21.3             |
| 06:00:00                                    | CS1KL | 00:30:00 | 46                | 30.9             | 35.3             | 25.2             | 22               |
| 06:30:00                                    | CS1KL | 00:30:00 | 52.4              | 33.5             | 37.6             | 27.7             | 23.5             |
| 07:00:00                                    | CS1KL | 00:30:00 | 46.1              | 34.1             | 38.8             | 28.8             | 24.2             |
| 07:30:00                                    | CS1KL | 00:30:00 | 49.2              | 35.5             | 39.4             | 32               | 24.6             |

Table B1 – Fully tabulated internal noise measurement results for Cross Street Plot 1 Living Room

| Start                                       | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|---------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| <b>Friday 12<sup>th</sup> December 2025</b> |       |          |                   |                  |                  |                  |                  |
| 17:00:00                                    | CS1BD | 00:30:00 | 49.8              | 35.1             | 38.3             | 33.4             | 28               |
| 17:30:00                                    | CS1BD | 00:30:00 | 58                | 35.6             | 38.2             | 33               | 27.2             |
| 18:00:00                                    | CS1BD | 00:30:00 | 56.7              | 35.7             | 38.8             | 33.7             | 27.9             |
| 18:30:00                                    | CS1BD | 00:30:00 | 48.2              | 34.5             | 37.9             | 32.5             | 26.8             |
| 19:00:00                                    | CS1BD | 00:30:00 | 54.8              | 35.8             | 38.8             | 33.5             | 27.4             |
| 19:30:00                                    | CS1BD | 00:30:00 | 50                | 34.8             | 38.1             | 32.7             | 26.2             |
| 20:00:00                                    | CS1BD | 00:30:00 | 56.9              | 35.4             | 38.7             | 33.3             | 25.6             |
| 20:30:00                                    | CS1BD | 00:30:00 | 47                | 34.5             | 38.3             | 32               | 25.4             |



| Start                                         | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|-----------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| 21:00:00                                      | CS1BD | 00:30:00 | 46.2              | 33.8             | 37.5             | 31.4             | 24.1             |
| 21:30:00                                      | CS1BD | 00:30:00 | 55.9              | 34.8             | 38               | 30.3             | 23               |
| 22:00:00                                      | CS1BD | 00:30:00 | 47.5              | 32.9             | 36.7             | 29.5             | 22.9             |
| 22:30:00                                      | CS1BD | 00:30:00 | 65.8              | 36.9             | 37.5             | 29.9             | 23.2             |
| 23:00:00                                      | CS1BD | 00:30:00 | 70.5              | 37               | 37.3             | 27.4             | 21.5             |
| 23:30:00                                      | CS1BD | 00:30:00 | 45.8              | 31.8             | 36               | 26.9             | 21.8             |
| <b>Saturday 13<sup>th</sup> December 2025</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                      | CS1BD | 00:30:00 | 53.4              | 33.4             | 37               | 28.1             | 21.5             |
| 00:30:00                                      | CS1BD | 00:30:00 | 47                | 32.5             | 36.7             | 27.7             | 21.4             |
| 01:00:00                                      | CS1BD | 00:30:00 | 44.5              | 29.2             | 33.8             | 22.5             | 19.3             |
| 01:30:00                                      | CS1BD | 00:30:00 | 46                | 28.2             | 32.8             | 21               | 18.8             |
| 02:00:00                                      | CS1BD | 00:30:00 | 43.9              | 27.8             | 31.5             | 21.6             | 19.2             |
| 02:30:00                                      | CS1BD | 00:30:00 | 53.9              | 29.1             | 30.3             | 21.9             | 20.2             |
| 03:00:00                                      | CS1BD | 00:30:00 | 51.6              | 27.6             | 28.5             | 19.6             | 17.8             |
| 03:30:00                                      | CS1BD | 00:30:00 | 46.2              | 27.7             | 31               | 19.6             | 17.9             |
| 04:00:00                                      | CS1BD | 00:30:00 | 52.7              | 27.9             | 30.5             | 20.2             | 18.2             |
| 04:30:00                                      | CS1BD | 00:30:00 | 47                | 26.7             | 29.3             | 20.9             | 18.4             |
| 05:00:00                                      | CS1BD | 00:30:00 | 41.6              | 25.3             | 27.1             | 19.1             | 17.5             |
| 05:30:00                                      | CS1BD | 00:30:00 | 47.4              | 27.6             | 29.7             | 19.9             | 17.9             |
| 06:00:00                                      | CS1BD | 00:30:00 | 44.9              | 27.9             | 31.7             | 21.2             | 18.7             |
| 06:30:00                                      | CS1BD | 00:30:00 | 47.3              | 28.3             | 31.6             | 22.2             | 19.8             |
| 07:00:00                                      | CS1BD | 00:30:00 | 44.8              | 30.5             | 34.8             | 23.3             | 19.7             |
| 07:30:00                                      | CS1BD | 00:30:00 | 52                | 31.2             | 34.7             | 23.6             | 19.8             |
| 08:00:00                                      | CS1BD | 00:30:00 | 47.8              | 31.6             | 36.1             | 25.8             | 21.9             |
| 08:30:00                                      | CS1BD | 00:30:00 | 49.1              | 33.5             | 37.4             | 28.7             | 23.6             |
| 09:00:00                                      | CS1BD | 00:30:00 | 51.1              | 34.4             | 38.4             | 30               | 23.4             |
| 09:30:00                                      | CS1BD | 00:30:00 | 49                | 35               | 38.8             | 31.8             | 24.1             |
| 10:00:00                                      | CS1BD | 00:30:00 | 51                | 35.9             | 39.5             | 33.3             | 26               |
| 10:30:00                                      | CS1BD | 00:30:00 | 51.6              | 36               | 39.4             | 33.5             | 26               |
| 11:00:00                                      | CS1BD | 00:30:00 | 54.5              | 35.9             | 39               | 33.4             | 26.8             |
| 11:30:00                                      | CS1BD | 00:30:00 | 51.6              | 36               | 39.2             | 34.3             | 28.1             |
| 12:00:00                                      | CS1BD | 00:30:00 | 56.5              | 36.3             | 39.4             | 34.3             | 27.1             |
| 12:30:00                                      | CS1BD | 00:30:00 | 46.7              | 35.6             | 38.9             | 34               | 28.1             |
| 13:00:00                                      | CS1BD | 00:30:00 | 52.4              | 36.6             | 39.7             | 34.6             | 28.1             |
| 13:30:00                                      | CS1BD | 00:30:00 | 53                | 36.6             | 39.8             | 34.8             | 28.9             |
| 14:00:00                                      | CS1BD | 00:30:00 | 55.6              | 36.6             | 39.5             | 34.4             | 28.5             |
| 14:30:00                                      | CS1BD | 00:30:00 | 56.3              | 36.6             | 39.7             | 34               | 27.9             |
| 15:00:00                                      | CS1BD | 00:30:00 | 63                | 37.8             | 39.9             | 34.8             | 27.9             |
| 15:30:00                                      | CS1BD | 00:30:00 | 58                | 37.1             | 39.8             | 34.6             | 28.2             |
| 16:00:00                                      | CS1BD | 00:30:00 | 56.7              | 35.5             | 38.4             | 33.3             | 26.7             |
| 16:30:00                                      | CS1BD | 00:30:00 | 51.2              | 35               | 38.3             | 32.8             | 25.9             |
| 17:00:00                                      | CS1BD | 00:30:00 | 46.8              | 34.5             | 38.1             | 32.5             | 26.8             |
| 17:30:00                                      | CS1BD | 00:30:00 | 50.1              | 35.5             | 38.9             | 33.4             | 26.4             |
| 18:00:00                                      | CS1BD | 00:30:00 | 50.1              | 35.4             | 38.9             | 33.5             | 27               |
| 18:30:00                                      | CS1BD | 00:30:00 | 51.4              | 34.6             | 38.2             | 32.4             | 25.7             |
| 19:00:00                                      | CS1BD | 00:30:00 | 52.7              | 34.7             | 37.9             | 32.1             | 24.7             |
| 19:30:00                                      | CS1BD | 00:30:00 | 74.7              | 43.1             | 38.3             | 32.4             | 24.9             |
| 20:00:00                                      | CS1BD | 00:30:00 | 51.5              | 34.4             | 38.1             | 31.8             | 24.4             |
| 20:30:00                                      | CS1BD | 00:30:00 | 49.2              | 34.3             | 37.9             | 31.8             | 24               |



| Start                                       | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|---------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| 21:00:00                                    | CS1BD | 00:30:00 | 49                | 33.8             | 37.5             | 31.4             | 23.7             |
| 21:30:00                                    | CS1BD | 00:30:00 | 48.1              | 32.7             | 36.8             | 28.9             | 22.8             |
| 22:00:00                                    | CS1BD | 00:30:00 | 46.2              | 32.7             | 36.8             | 28.9             | 22.4             |
| 22:30:00                                    | CS1BD | 00:30:00 | 46.8              | 32.3             | 36.6             | 28.3             | 21.8             |
| 23:00:00                                    | CS1BD | 00:30:00 | 47.2              | 32.2             | 36.7             | 27.5             | 22.2             |
| 23:30:00                                    | CS1BD | 00:30:00 | 49.8              | 32.2             | 36.2             | 27.9             | 21.4             |
| <b>Sunday 14<sup>th</sup> December 2025</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                    | CS1BD | 00:30:00 | 54.1              | 30.8             | 35.2             | 23.7             | 20.1             |
| 00:30:00                                    | CS1BD | 00:30:00 | 48.1              | 31               | 35.4             | 24.9             | 20               |
| 01:00:00                                    | CS1BD | 00:30:00 | 44.8              | 30               | 34.5             | 23.5             | 20.5             |
| 01:30:00                                    | CS1BD | 00:30:00 | 47.5              | 29.6             | 34.2             | 22.6             | 19.4             |
| 02:00:00                                    | CS1BD | 00:30:00 | 42.5              | 28.1             | 32.8             | 21.4             | 18.6             |
| 02:30:00                                    | CS1BD | 00:30:00 | 44.3              | 28.4             | 32.4             | 21.8             | 19.4             |
| 03:00:00                                    | CS1BD | 00:30:00 | 41.2              | 26.3             | 29               | 20.9             | 18.7             |
| 03:30:00                                    | CS1BD | 00:30:00 | 41.2              | 26.5             | 30.9             | 20.1             | 17.9             |
| 04:00:00                                    | CS1BD | 00:30:00 | 41.2              | 26.1             | 30.1             | 20               | 18               |
| 04:30:00                                    | CS1BD | 00:30:00 | 41.5              | 26.2             | 29.1             | 20.6             | 18.4             |
| 05:00:00                                    | CS1BD | 00:30:00 | 41.1              | 25.4             | 28.3             | 20.4             | 18.5             |
| 05:30:00                                    | CS1BD | 00:30:00 | 43                | 23.6             | 24.7             | 18.6             | 17               |
| 06:00:00                                    | CS1BD | 00:30:00 | 43.5              | 27.4             | 30.8             | 20.1             | 18               |
| 06:30:00                                    | CS1BD | 00:30:00 | 47.1              | 30.5             | 34.7             | 21.9             | 19.4             |
| 07:00:00                                    | CS1BD | 00:30:00 | 46.5              | 30.2             | 34.8             | 23.1             | 19.6             |
| 07:30:00                                    | CS1BD | 00:30:00 | 45.2              | 29.9             | 34.4             | 23.6             | 19.7             |
| 08:00:00                                    | CS1BD | 00:30:00 | 52.4              | 32               | 36.1             | 25               | 21               |
| 08:30:00                                    | CS1BD | 00:30:00 | 44.6              | 32               | 36.7             | 26.5             | 21.8             |
| 09:00:00                                    | CS1BD | 00:30:00 | 47.9              | 31.8             | 36               | 26.1             | 21.4             |
| 09:30:00                                    | CS1BD | 00:30:00 | 48.7              | 34.6             | 39               | 29.5             | 23.1             |
| 10:00:00                                    | CS1BD | 00:30:00 | 47                | 35.7             | 39.7             | 32.4             | 25.3             |
| 10:30:00                                    | CS1BD | 00:30:00 | 47.3              | 36.7             | 40.8             | 34               | 25.3             |
| 11:00:00                                    | CS1BD | 00:30:00 | 48.1              | 36.1             | 40               | 33.3             | 26.1             |
| 11:30:00                                    | CS1BD | 00:30:00 | 52.3              | 37.1             | 40.9             | 34.9             | 27.1             |
| 12:00:00                                    | CS1BD | 00:30:00 | 50.6              | 37.6             | 41.3             | 35.8             | 28.5             |
| 12:30:00                                    | CS1BD | 00:30:00 | 57.2              | 38.4             | 41.5             | 35.9             | 28.1             |
| 13:00:00                                    | CS1BD | 00:30:00 | 67.9              | 40.6             | 42.5             | 36.9             | 29.6             |
| 13:30:00                                    | CS1BD | 00:30:00 | 48.6              | 37.5             | 41.1             | 35.6             | 29               |
| 14:00:00                                    | CS1BD | 00:30:00 | 50.6              | 37.3             | 40.9             | 35.3             | 28.4             |
| 14:30:00                                    | CS1BD | 00:30:00 | 58.1              | 37.3             | 40.5             | 35               | 27.9             |
| 15:00:00                                    | CS1BD | 00:30:00 | 49                | 36.9             | 40.5             | 35               | 27.9             |
| 15:30:00                                    | CS1BD | 00:30:00 | 59.3              | 38.1             | 41.3             | 36               | 29.3             |
| 16:00:00                                    | CS1BD | 00:30:00 | 55.2              | 37               | 40.8             | 34.4             | 27.5             |
| 16:30:00                                    | CS1BD | 00:30:00 | 60.1              | 38.5             | 40.5             | 34.7             | 26.9             |
| 17:00:00                                    | CS1BD | 00:30:00 | 55.9              | 37.2             | 40.6             | 34.4             | 27.3             |
| 17:30:00                                    | CS1BD | 00:30:00 | 48.1              | 36.9             | 40.8             | 34.7             | 26.3             |
| 18:00:00                                    | CS1BD | 00:30:00 | 45.8              | 35               | 38.9             | 32.4             | 25.9             |
| 18:30:00                                    | CS1BD | 00:30:00 | 47.4              | 35.1             | 38.8             | 32.5             | 25.5             |
| 19:00:00                                    | CS1BD | 00:30:00 | 46.9              | 34.6             | 38.8             | 31.5             | 24.4             |
| 19:30:00                                    | CS1BD | 00:30:00 | 54.6              | 34.1             | 38               | 30.2             | 23.6             |
| 20:00:00                                    | CS1BD | 00:30:00 | 54.1              | 34               | 37.7             | 30.8             | 23.5             |
| 20:30:00                                    | CS1BD | 00:30:00 | 60                | 35               | 37.6             | 30               | 23.1             |



| Start                                       | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|---------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| 21:00:00                                    | CS1BD | 00:30:00 | 45.1              | 32.9             | 37               | 29.4             | 23.1             |
| 21:30:00                                    | CS1BD | 00:30:00 | 56.6              | 33.5             | 37               | 29.1             | 23.1             |
| 22:00:00                                    | CS1BD | 00:30:00 | 56                | 32               | 35.6             | 27.4             | 22               |
| 22:30:00                                    | CS1BD | 00:30:00 | 45.6              | 31.3             | 35.4             | 26.7             | 22.1             |
| 23:00:00                                    | CS1BD | 00:30:00 | 48.4              | 30.9             | 35.3             | 25               | 21.4             |
| 23:30:00                                    | CS1BD | 00:30:00 | 43.2              | 29.2             | 33.7             | 23.1             | 20               |
| <b>Monday 15<sup>th</sup> December 2025</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                    | CS1BD | 00:30:00 | 42.4              | 29.3             | 33.9             | 22.8             | 19.4             |
| 00:30:00                                    | CS1BD | 00:30:00 | 54                | 30.9             | 34.7             | 22.5             | 19.3             |
| 01:00:00                                    | CS1BD | 00:30:00 | 45.2              | 30.4             | 35.2             | 22.4             | 19.7             |
| 01:30:00                                    | CS1BD | 00:30:00 | 48.5              | 29.1             | 32.1             | 21.6             | 19.1             |
| 02:00:00                                    | CS1BD | 00:30:00 | 52.1              | 27.7             | 29.5             | 20.5             | 18.4             |
| 02:30:00                                    | CS1BD | 00:30:00 | 44.6              | 28               | 29.4             | 24.2             | 21.9             |
| 03:00:00                                    | CS1BD | 00:30:00 | 51.9              | 29.1             | 27               | 23.7             | 22.3             |
| 03:30:00                                    | CS1BD | 00:30:00 | 48.4              | 28.7             | 29.5             | 24.1             | 22.1             |
| 04:00:00                                    | CS1BD | 00:30:00 | 42.7              | 28.1             | 30               | 24.8             | 22.3             |
| 04:30:00                                    | CS1BD | 00:30:00 | 47.5              | 29.1             | 28.6             | 24.5             | 22.4             |
| 05:00:00                                    | CS1BD | 00:30:00 | 41.9              | 28.1             | 29.4             | 23.7             | 22.1             |
| 05:30:00                                    | CS1BD | 00:30:00 | 48                | 29.8             | 31.9             | 24.9             | 23.2             |
| 06:00:00                                    | CS1BD | 00:30:00 | 48.1              | 32               | 36.5             | 26               | 23.4             |
| 06:30:00                                    | CS1BD | 00:30:00 | 53.9              | 34.7             | 38.5             | 29.1             | 24.9             |
| 07:00:00                                    | CS1BD | 00:30:00 | 46.8              | 35.3             | 39.7             | 30.7             | 25.5             |
| 07:30:00                                    | CS1BD | 00:30:00 | 50.6              | 36.8             | 40.6             | 34.2             | 26.1             |

Table B2 – Fully tabulated internal noise measurement results for Cross Street Plot 1 Bedroom

**Varey Street – Plot 1**

| Start                                        | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|----------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| <b>Thursday 15<sup>th</sup> January 2026</b> |       |          |                   |                  |                  |                  |                  |
| 09:00:00                                     | VS1KL | 00:30:00 | 50.6              | 35.5             | 39.3             | 30.4             | 25.6             |
| 09:30:00                                     | VS1KL | 00:30:00 | 49.2              | 34.7             | 39.1             | 29.9             | 24.7             |
| 10:00:00                                     | VS1KL | 00:30:00 | 49.2              | 34.8             | 38.9             | 29.8             | 24.4             |
| 10:30:00                                     | VS1KL | 00:30:00 | 50.1              | 35.2             | 39.8             | 27.5             | 22.7             |
| 11:00:00                                     | VS1KL | 00:30:00 | 51                | 34.2             | 38.2             | 27.5             | 22.2             |
| 11:30:00                                     | VS1KL | 00:30:00 | 53.7              | 35.5             | 39.4             | 28.4             | 22.2             |
| 12:00:00                                     | VS1KL | 00:30:00 | 48.7              | 34.3             | 38.4             | 28               | 21.4             |
| 12:30:00                                     | VS1KL | 00:30:00 | 52.9              | 35.1             | 39.3             | 27.2             | 21.2             |
| 13:00:00                                     | VS1KL | 00:30:00 | 52.3              | 35.2             | 39               | 28.6             | 22               |
| 13:30:00                                     | VS1KL | 00:30:00 | 55.9              | 36.1             | 40.6             | 28.4             | 22               |
| 14:00:00                                     | VS1KL | 00:30:00 | 52.3              | 35.4             | 39.3             | 27.9             | 20.7             |
| 14:30:00                                     | VS1KL | 00:30:00 | 54.2              | 35.6             | 39.9             | 27.4             | 21.3             |
| 15:00:00                                     | VS1KL | 00:30:00 | 58.8              | 38.1             | 41.4             | 31               | 23.4             |
| 15:30:00                                     | VS1KL | 00:30:00 | 59.6              | 37.4             | 41.2             | 31.6             | 24               |
| 16:00:00                                     | VS1KL | 00:30:00 | 53                | 36.5             | 40.6             | 30.2             | 23.2             |
| 16:30:00                                     | VS1KL | 00:30:00 | 54.3              | 36               | 40.1             | 29.3             | 22.4             |
| 17:00:00                                     | VS1KL | 00:30:00 | 51.1              | 37               | 41.5             | 30.6             | 23.4             |
| 17:30:00                                     | VS1KL | 00:30:00 | 59.3              | 37.8             | 41.9             | 29.6             | 21               |
| 18:00:00                                     | VS1KL | 00:30:00 | 52.8              | 36.2             | 40.6             | 28.9             | 21.6             |
| 18:30:00                                     | VS1KL | 00:30:00 | 52.8              | 36.3             | 40.5             | 28.3             | 21.1             |



| Start                                      | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|--------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| 19:00:00                                   | VS1KL | 00:30:00 | 54.1              | 35.2             | 39.4             | 28.3             | 21.6             |
| 19:30:00                                   | VS1KL | 00:30:00 | 51.8              | 34.4             | 38.8             | 27.1             | 19.8             |
| 20:00:00                                   | VS1KL | 00:30:00 | 55.8              | 34.2             | 38.5             | 26               | 19.8             |
| 20:30:00                                   | VS1KL | 00:30:00 | 48.8              | 32.9             | 37.3             | 24.4             | 19.5             |
| 21:00:00                                   | VS1KL | 00:30:00 | 51.7              | 33               | 36.6             | 23.5             | 19.5             |
| 21:30:00                                   | VS1KL | 00:30:00 | 51.2              | 32.8             | 36.7             | 24.2             | 19.5             |
| 22:00:00                                   | VS1KL | 00:30:00 | 48.3              | 31.7             | 35.4             | 22.5             | 19.4             |
| 22:30:00                                   | VS1KL | 00:30:00 | 51.3              | 32.2             | 34.8             | 22.3             | 19.5             |
| 23:00:00                                   | VS1KL | 00:30:00 | 49.9              | 30.6             | 32.6             | 20.2             | 19.4             |
| 23:30:00                                   | VS1KL | 00:30:00 | 51.3              | 30.8             | 32.5             | 20               | 19.4             |
| <b>Friday 16<sup>th</sup> January 2026</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                   | VS1KL | 00:30:00 | 45.2              | 26.8             | 26.6             | 19.6             | 19.3             |
| 00:30:00                                   | VS1KL | 00:30:00 | 46.2              | 26.8             | 26.2             | 19.6             | 19.3             |
| 01:00:00                                   | VS1KL | 00:30:00 | 50.9              | 27               | 24.9             | 19.6             | 19.3             |
| 01:30:00                                   | VS1KL | 00:30:00 | 50.1              | 28.4             | 26.9             | 19.6             | 19.3             |
| 02:00:00                                   | VS1KL | 00:30:00 | 42.5              | 21.4             | 20.3             | 19.5             | 19.3             |
| 02:30:00                                   | VS1KL | 00:30:00 | 49.9              | 22.1             | 19.7             | 19.5             | 19.3             |
| 03:00:00                                   | VS1KL | 00:30:00 | 44.7              | 20.1             | 19.7             | 19.5             | 19.3             |
| 03:30:00                                   | VS1KL | 00:30:00 | 45.5              | 19.4             | 19.7             | 19.5             | 19.3             |
| 04:00:00                                   | VS1KL | 00:30:00 | 44.3              | 21.6             | 19.7             | 19.5             | 19.3             |
| 04:30:00                                   | VS1KL | 00:30:00 | 47.5              | 22.1             | 19.8             | 19.5             | 19.3             |
| 05:00:00                                   | VS1KL | 00:30:00 | 42.5              | 23.5             | 23.5             | 19.6             | 19.3             |
| 05:30:00                                   | VS1KL | 00:30:00 | 48.4              | 25.3             | 25.3             | 19.6             | 19.3             |
| 06:00:00                                   | VS1KL | 00:30:00 | 53.3              | 28.7             | 28.4             | 19.7             | 19.3             |
| 06:30:00                                   | VS1KL | 00:30:00 | 48                | 29.4             | 31.7             | 22.5             | 19.4             |
| 07:00:00                                   | VS1KL | 00:30:00 | 49.5              | 32.2             | 35.5             | 25               | 20.3             |
| 07:30:00                                   | VS1KL | 00:30:00 | 55.6              | 34               | 37.6             | 26.2             | 20.9             |

Table B3 – Fully tabulated internal noise measurement results for Varey Street Plot 1 Living Room

| Start                                        | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|----------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| <b>Thursday 15<sup>th</sup> January 2026</b> |       |          |                   |                  |                  |                  |                  |
| 09:00:00                                     | VS1BD | 00:30:00 | 52.2              | 37.7             | 41.4             | 33.8             | 29.4             |
| 09:30:00                                     | VS1BD | 00:30:00 | 50.1              | 37               | 41               | 33.6             | 29               |
| 10:00:00                                     | VS1BD | 00:30:00 | 51                | 37.1             | 41               | 33.4             | 28.7             |
| 10:30:00                                     | VS1BD | 00:30:00 | 52.8              | 37.9             | 42.3             | 32.2             | 27.8             |
| 11:00:00                                     | VS1BD | 00:30:00 | 51.5              | 37.1             | 41.1             | 32.2             | 27.4             |
| 11:30:00                                     | VS1BD | 00:30:00 | 56.1              | 37.7             | 41.6             | 32.1             | 26.8             |
| 12:00:00                                     | VS1BD | 00:30:00 | 50.9              | 36.5             | 40.5             | 31.8             | 26.1             |
| 12:30:00                                     | VS1BD | 00:30:00 | 53.7              | 37.1             | 41.2             | 30.9             | 26.1             |
| 13:00:00                                     | VS1BD | 00:30:00 | 54.6              | 37.3             | 41.2             | 32               | 26.5             |
| 13:30:00                                     | VS1BD | 00:30:00 | 56.8              | 38.2             | 42.5             | 32.4             | 26.5             |
| 14:00:00                                     | VS1BD | 00:30:00 | 54.1              | 37.6             | 41.5             | 31.7             | 25.3             |
| 14:30:00                                     | VS1BD | 00:30:00 | 54.5              | 37.6             | 41.8             | 31.2             | 25.6             |
| 15:00:00                                     | VS1BD | 00:30:00 | 65.7              | 41.4             | 43.6             | 34.3             | 27.2             |
| 15:30:00                                     | VS1BD | 00:30:00 | 54.1              | 38.9             | 43               | 34.4             | 27.9             |
| 16:00:00                                     | VS1BD | 00:30:00 | 53.6              | 38.3             | 42.2             | 33.3             | 27.1             |
| 16:30:00                                     | VS1BD | 00:30:00 | 55                | 38.1             | 42.1             | 32.7             | 26.7             |
| 17:00:00                                     | VS1BD | 00:30:00 | 53                | 38.9             | 43.3             | 33.5             | 27.4             |
| 17:30:00                                     | VS1BD | 00:30:00 | 62                | 40               | 43.7             | 33.4             | 25.9             |



| Start                                      | Plot  | Time     | L <sub>Amax</sub> | L <sub>Aeq</sub> | L <sub>A10</sub> | L <sub>A50</sub> | L <sub>A90</sub> |
|--------------------------------------------|-------|----------|-------------------|------------------|------------------|------------------|------------------|
| 18:00:00                                   | VS1BD | 00:30:00 | 54.9              | 38.1             | 42.5             | 32.2             | 25.8             |
| 18:30:00                                   | VS1BD | 00:30:00 | 57.1              | 38.5             | 42.5             | 32               | 25.5             |
| 19:00:00                                   | VS1BD | 00:30:00 | 54.3              | 37.1             | 41.2             | 31.9             | 26               |
| 19:30:00                                   | VS1BD | 00:30:00 | 52.5              | 36.4             | 40.5             | 30.4             | 24.4             |
| 20:00:00                                   | VS1BD | 00:30:00 | 51.9              | 36.2             | 40.5             | 29.9             | 24.9             |
| 20:30:00                                   | VS1BD | 00:30:00 | 49.5              | 34.9             | 39.2             | 28.3             | 23.7             |
| 21:00:00                                   | VS1BD | 00:30:00 | 52                | 35.1             | 39.1             | 27.7             | 23.3             |
| 21:30:00                                   | VS1BD | 00:30:00 | 49.4              | 34.7             | 38.7             | 28.3             | 23.9             |
| 22:00:00                                   | VS1BD | 00:30:00 | 49.4              | 33.6             | 37.6             | 26.7             | 23.3             |
| 22:30:00                                   | VS1BD | 00:30:00 | 52.5              | 34.4             | 37.6             | 26.7             | 23.5             |
| 23:00:00                                   | VS1BD | 00:30:00 | 51.3              | 32.6             | 35.6             | 24.8             | 21.9             |
| 23:30:00                                   | VS1BD | 00:30:00 | 55.2              | 33               | 35.7             | 24.5             | 21.4             |
| <b>Friday 16<sup>th</sup> January 2026</b> |       |          |                   |                  |                  |                  |                  |
| 00:00:00                                   | VS1BD | 00:30:00 | 45.6              | 29.4             | 31               | 22.4             | 20.6             |
| 00:30:00                                   | VS1BD | 00:30:00 | 46.5              | 29               | 30               | 22.6             | 20.5             |
| 01:00:00                                   | VS1BD | 00:30:00 | 51.8              | 29.1             | 29.3             | 21               | 20               |
| 01:30:00                                   | VS1BD | 00:30:00 | 55.3              | 31.4             | 30.7             | 21.1             | 20               |
| 02:00:00                                   | VS1BD | 00:30:00 | 43.3              | 25               | 25.5             | 20.6             | 20               |
| 02:30:00                                   | VS1BD | 00:30:00 | 51.7              | 25.5             | 24.1             | 20.5             | 20.1             |
| 03:00:00                                   | VS1BD | 00:30:00 | 45.6              | 24               | 23               | 20.5             | 20.1             |
| 03:30:00                                   | VS1BD | 00:30:00 | 46.4              | 23.8             | 24.1             | 20.3             | 19.9             |
| 04:00:00                                   | VS1BD | 00:30:00 | 45.8              | 25.1             | 23.8             | 20.4             | 20               |
| 04:30:00                                   | VS1BD | 00:30:00 | 48.5              | 26               | 25.3             | 20.8             | 20.1             |
| 05:00:00                                   | VS1BD | 00:30:00 | 44                | 26.9             | 27.9             | 21.9             | 20.9             |
| 05:30:00                                   | VS1BD | 00:30:00 | 50.3              | 28.2             | 29.4             | 21.8             | 20.8             |
| 06:00:00                                   | VS1BD | 00:30:00 | 54                | 31.3             | 32.5             | 24.2             | 21.7             |
| 06:30:00                                   | VS1BD | 00:30:00 | 48.9              | 32               | 34.9             | 27.3             | 23.7             |
| 07:00:00                                   | VS1BD | 00:30:00 | 55.1              | 34.9             | 38.3             | 29.5             | 25.7             |
| 07:30:00                                   | VS1BD | 00:30:00 | 55.6              | 35.9             | 39.6             | 30.2             | 26               |
| 08:00:00                                   | VS1BD | 00:30:00 | 54.9              | 36.6             | 40.5             | 31.6             | 27               |

Table B4 – Fully tabulated internal noise measurement results for Varey Street Plot 1 Bedroom



## Appendix C – Graphical Representation of Noise Data

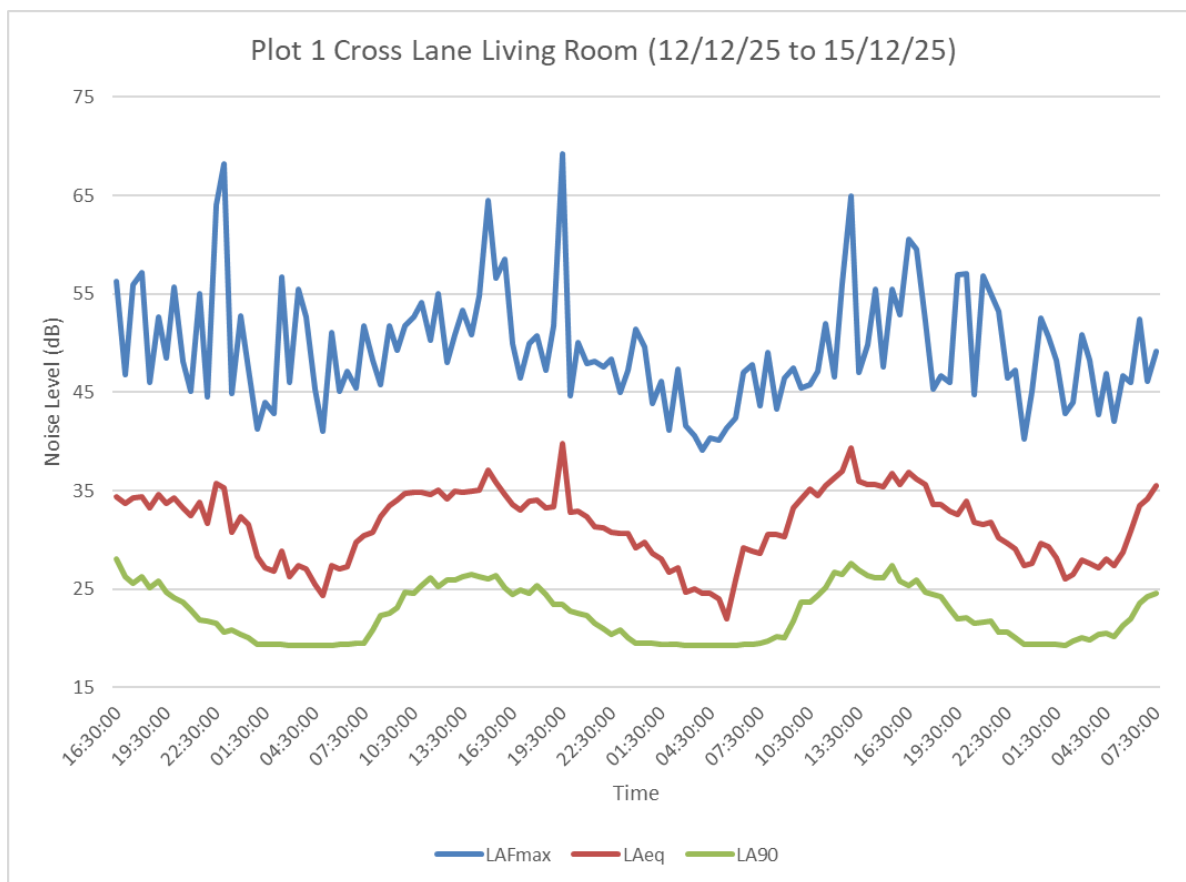


Table C1 – Cross Lane Plot 1 Living Room graphical representation

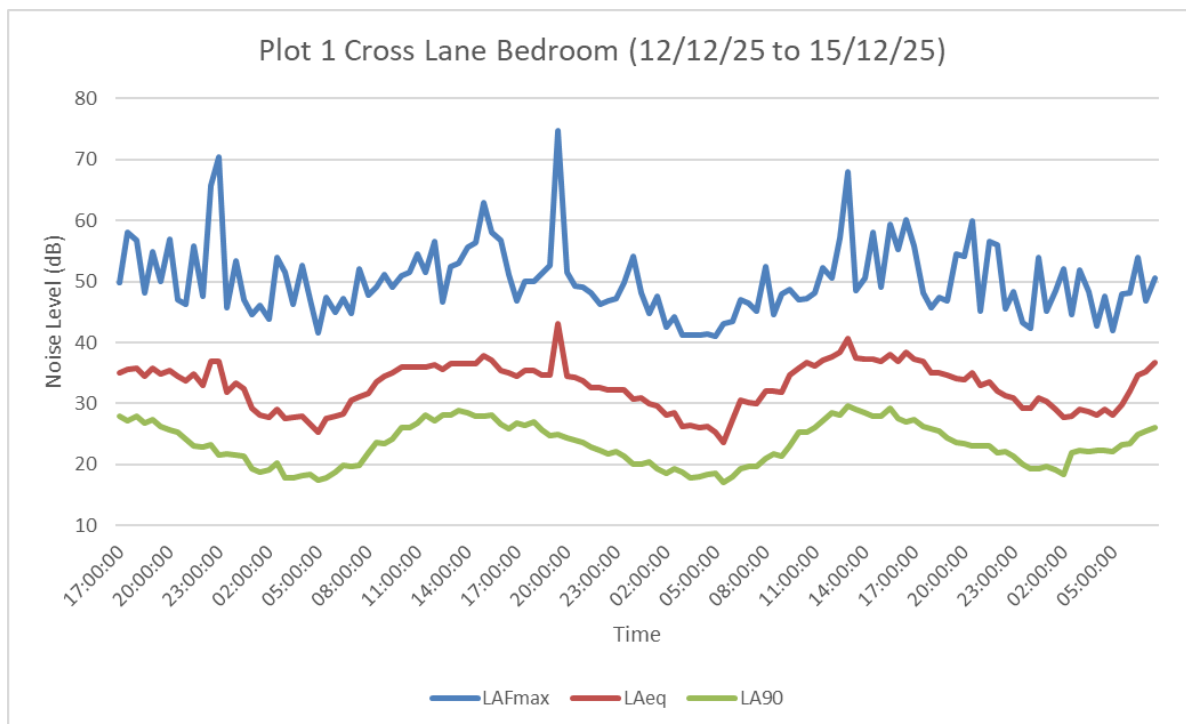


Table C2 – Cross Lane Plot 1 Bedroom graphical representation

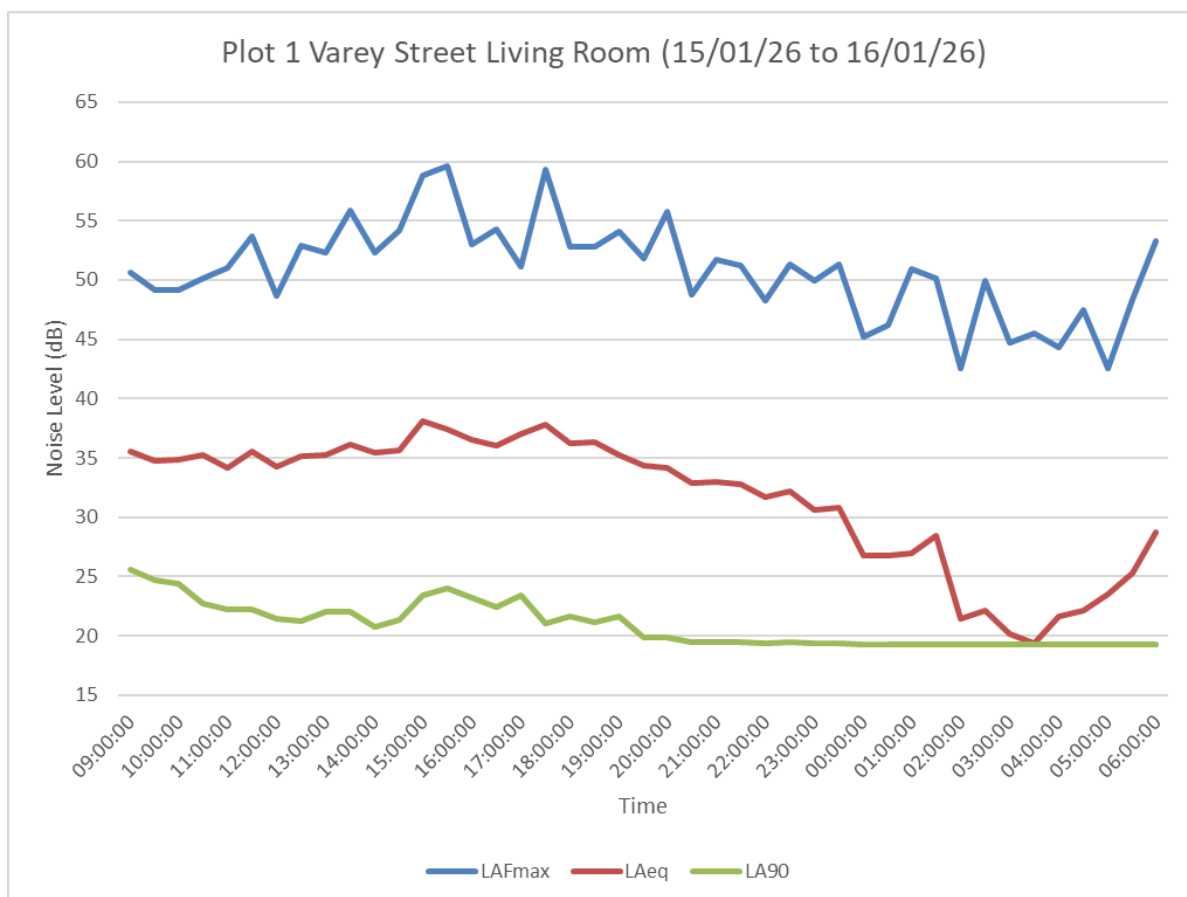


Table C3 – Varey Street Plot 1 Living Room graphical representation

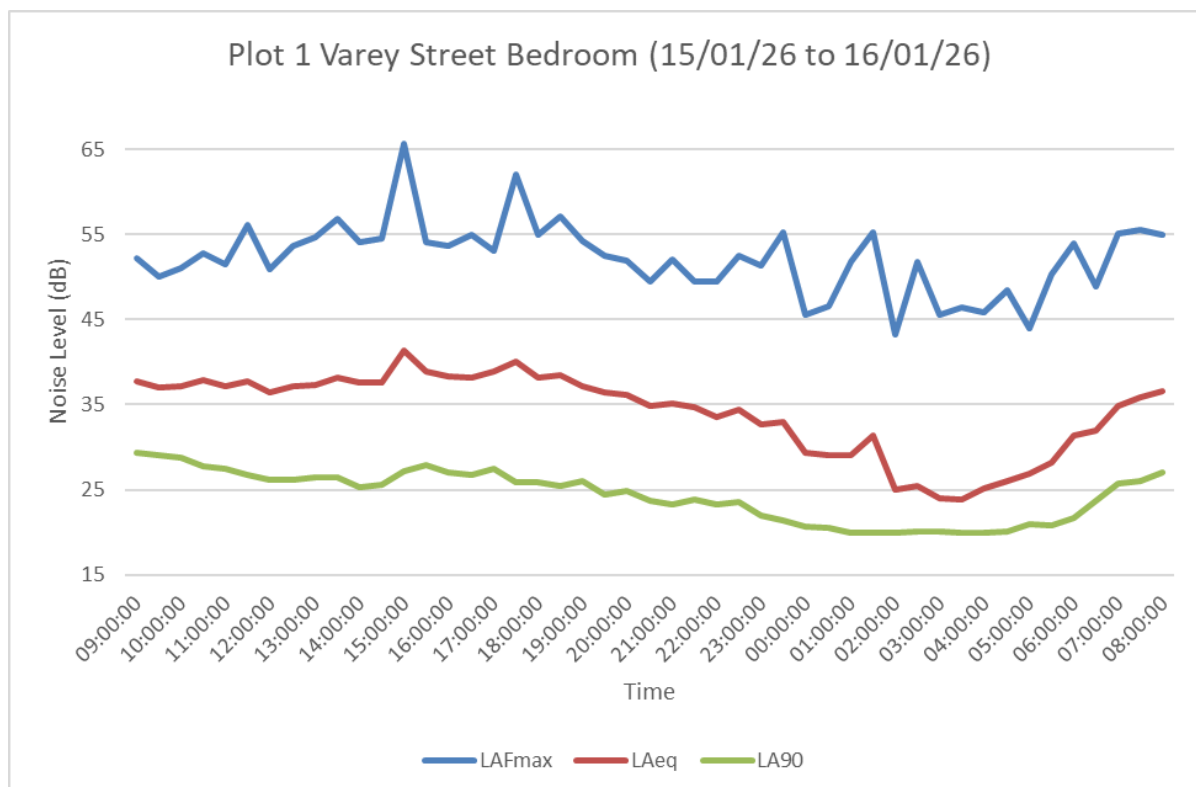


Table C4 – Varey Street Plot 1 Bedroom graphical representation