Azymuth Acoustics UK

Professional Acoustic Services

Apartment Noise Monitoring to Support Discharge of Planning Condition 15 Ref: Z54352 revA

24no. Apartments,
Whitehouse Club,
Middleton Road,
Manchester

On behalf of

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1.0 Introduction

Azymuth Acoustics UK (henceforth Azymuth) has been appointed by Branley Homes Limited to undertake noise monitoring at a new build apartment block consisting of 24no. dwellings located at the Whitehouse Club, Middleton Road, Manchester.

Noise monitoring has been instructed in order to assist with the discharge of Planning Condition 15 in relation to internal noise levels, as per the Planning Decision Notice for Application 131045/FO/2021. The noise monitoring positions were agreed with Branl;ey Homes in advance and reflect two front positions and one rear position. The Whitehouse club was operational and had functions on during our monitoring (refer item 1.3 for details)

1.2 Measurement Procedure

The instrumentation used for the acoustic testing consisted of 2no. SvanTek 971 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 Apartments 17 (2F), 16 (1F) and 4 (GF). 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.

We measured at 3No. apartments (lounge and bedroom) over 3No. consecutive weekends as follows:

Apartment 17 2nd floor – Friday 21st Nov 2025 13.45 until Monday 24th Nov 2025 07.45
Apartment 16 1st floor – Friday 28th Nov 2025 14.30 until Monday 1st Dec 2025 07.00
Apartment 4 Gnd floor – Friday 5th Dec 2025 15.00 until Monday 8th Dec 2025 07.30



Figure 1 – Site location plan for the apartment building

1.3 Noise Climate

It should be noted that the monitoring positions were chosen to best reflect the noise climate at the site. The main noise sources around the site are the main A576 road, which sits to the East of the site and the Whitehouse Club which is also located to the East of the site, between the A576 and the apartment block. The Metrolink is to the North of the site and the end positions of the apartments chosen also captured any noise from this source.

The Whitehouse Club was fully operational on the dates of our monitoring with the following functions confirmed by the club steward:

1. Friday 21st Nov – Funeral until 7pm. Karaoke until midnight
2. Saturday 22nd Nov – Engagement party until midnight
3. Sunday 23rd Nov – no function
4. Friday 28th Nov –Karaoke until midnight
5. Saturday 29th Nov – Club Function until midnight
6. Sunday 30th Nov – no function
7. Friday 5th Nov – Karaoke until midnight
8. Saturday 6th Nov – 40th birthday party 7pm until midnight
9. Sunday 7th Nov – no function

These details were confirmed with the Whitehouse Club steward [redacted]

We also captured Friday afternoon and evening rush-hour traffic and Monday morning rush-hour traffic within our noise monitoring periods.

Measurements were undertaken over the below periods:

Monitoring Position	Floor	Apt.	Room	Start Date – Time	End Date – Time
		Second Floor			
3	**2nd**	**17**	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
		First Floor			
2	**1st**	**16**	Living Room	28/11/25 – 14:30:00	01/12/25 – 07:00:00
			Bedroom	28/11/25 – 15:00:00	01/12/25 – 07:30:00
		Ground Floor			
1	**Gnd**	**4**	Living Room	05/12/25 – 15:00:00	08/12/25 – 07:30:00
			Bedroom	05/12/25 – 15:45:00	08/12/25 – 07:45:00

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.

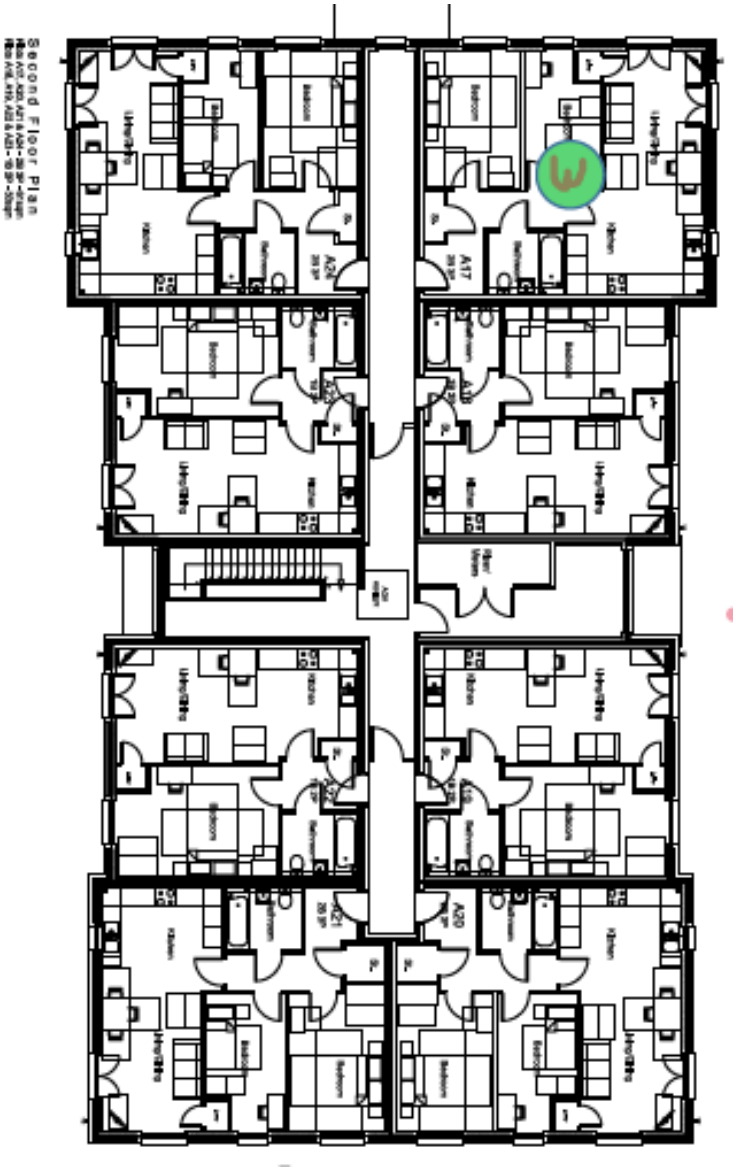
Position 1 – Gnd Floor Apartment 4 Front facing Whitehouse Club and A576



Position 2 - 1st Floor Apartment 16 Rear facing away from Whitehouse Club and A576



Position 3 – 2nd Floor Apartment 17 Front facing Whitehouse Club and A576



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 131045/FO/2021 Condition 15

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 131045/FO/2021

2.3.1 Condition 15

'15) (a) Notwithstanding the Acoustic Planning Report received by the City Council, as Local Planning Authority on 12 July 2021, prior to the first occupation of a building within a phase of the development a scheme for acoustically insulating the proposed residential accommodation against noise from the local traffic network shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved noise insulation scheme shall be completed before the first occupation each building of the development.

Noise Survey data must include measurements taken during a rush-hour period and night-time to determine the appropriate sound insulation measures necessary. The following noise criteria will be required to be achieved:

- *Bedrooms (night-time – 23:00 – 07:00) 30dB L_{Aeq} (individual noise events shall not exceed 45dB $L_{Amax,F}$ by more than 15times)*
- *Living Rooms (daytime – 07:00 – 23:00) 35dB L_{Aeq}*
- *Gardens and terraces (daytime) 55dB L_{Aeq}*

b) Prior to the first occupation of each building within a phase of the development, a verification report will be required to validate that the work undertaken conforms to the recommendations and requirements approved as part of part (a) of this planning condition. The verification report shall include post completion testing to confirm the noise criteria have been met. In instances of non-conformity, these shall be detailed along with mitigation measures required to ensure compliance with the noise criteria. A verification report and measures shall not be agreed until such a time as the development complies with part (a) of this planning condition.

Any mitigation measures shall be implemented in accordance with a timescale to be agreed in writing with the City Council, as Local Planning Authority, and thereafter retained and maintained in situ.

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, H1 and DM1 of the core strategy (2007) and saved policy DC26 of the Unitary Development Plan for the City of Manchester (1995).'

3.0 Assessment of Results

3.1 Summary of Measurement Results

3.1.1 Apt. 17 Living Room

The following table summarises the noise measurement data for the Living Room of Apt. 17 over the measurement period.

Location	Period	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
Apt. 17 Living Room	Day	37.6	24.3	24.6	20.8	18.9
Apt. 17 Living Room	Night	36.5	35.4	27.9	24.0	21.6

Table 3 – Summary of daytime and night-time noise levels Apt. 17 Living Room

3.1.2 Apt. 17 Bedroom

The following table summarises the noise measurement data for the Bedroom of Apt. 17 over the measurement period.

Location	Period	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
Apt. 17 Bedroom	Day	39.5	27.6	27.2	24.1	22.0
Apt. 17 Bedroom	Night	36.5	26.9	26.5	22.9	20.0

Table 4 – Summary of daytime and night-time noise levels Apt. 17 Bedroom

- 15^{th} highest night-time L_{Amax} value = 40.6dB inside Bedroom of Apt. 17
- 10^{th} highest night-time L_{Amax} value = 42.1dB inside Bedroom of Apt. 17

3.1.3 Apt. 16 Living Room

The following table summarises the noise measurement data for the Living Room of Apt. 16 over the measurement period.

Location	Period	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
Apt. 16 Living Room	Day	31.9	21.5	22.0	20.9	20.6
Apt. 16 Living Room	Night	31.5	21.5	22.0	21.0	20.6

Table 5 – Summary of daytime and night-time noise levels Apt. 16 Living Room

3.1.4 Apt. 16 Bedroom

The following table summarises the noise measurement data for the Bedroom of Apt. 16 over the measurement period.

Location	Period	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
Apt. 16 Bedroom	Day	34.5	20.4	21.9	20.0	19.4
Apt. 16 Bedroom	Night	30.3	17.7	20.1	19.5	19.3

Table 6 – Summary of daytime and night-time noise levels Apt. 16 Bedroom

- 15th highest night-time L_{Amax} value = 35.1dB inside Bedroom of Apt. 16
- 10th highest night-time L_{Amax} value = 36.6dB inside Bedroom of Apt. 16

3.1.5 Apt. 4 Living Room

The following table summarises the noise measurement data for the Living Room of Apt. 4 over the measurement period.

Location	Period	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
Apt. 4 Living Room	Day	35.8	23.1	23.7	21.8	21.1
Apt. 4 Living Room	Night	30.2	21.5	21.7	20.9	20.4

Table 7 – Summary of daytime and night-time noise levels Apt. 4 Living Room

3.1.6 Apt. 4 Bedroom

The following table summarises the noise measurement data for the Bedroom of Apt. 4 over the measurement period.

Location	Period	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
Apt. 4 Bedroom	Day	37.4	21.0	21.7	19.8	19.4
Apt. 4 Bedroom	Night	28.9	16.5	19.8	19.5	19.3

Table 8 – Summary of daytime and night-time noise levels Apt. 4 Bedroom

- 15th highest night-time L_{Amax} value = 32.8dB inside Bedroom of Apt. 4
- 10th highest night-time L_{Amax} value = 33.4dB inside Bedroom of Apt. 4

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 Apartments 17 (2F), 16 (1F) and 4 (GF) alongside compliance with respect to Planning Condition 15.

Apt.	Room	Target Indoor Ambient Noise Level	Measured Ambient Noise Level	Compliance
17	Living room	≤35dB $L_{Aeq, day}$	24.3dB $L_{Aeq, day}$	**Compliant**
	Bedroom	≤30dB $L_{Aeq, night}$ ≤45dB L_{Amax} 15th highest	26.9dB $L_{Aeq, night}$ 40.6dB $L_{Amax, night}$ 15th highest	**Compliant**
16	Living room	≤35dB $L_{Aeq, day}$	21.5dB $L_{Aeq, day}$	**Compliant**
	Bedroom	≤30dB $L_{Aeq, night}$ ≤45dB L_{Amax} 15th highest	17.7dB $L_{Aeq, night}$ 35.1dB $L_{Amax, night}$ 15th highest	**Compliant**
4	Living room	≤35dB $L_{Aeq, day}$	23.1dB $L_{Aeq, day}$	**Compliant**
	Bedroom	≤30dB $L_{Aeq, night}$ ≤45dB L_{Amax} 15th highest	16.5dB $L_{Aeq, night}$ 32.8dB $L_{Amax, night}$ 15th highest	**Compliant**

Table 9 – Assessment of results

4.0 Summary

Azymuth has been appointed by Branley Homes Limited to undertake noise monitoring at a new build apartment block consisting of 24no. dwellings located at the Whitehouse Club, Middleton Road, Manchester.

Monitoring was undertaken over 3 consecutive weekends Friday afternoon until Monday morning covering both the operation of the Whitehouse club and the rush-hour traffic on the A576. The Whitehouse club was fully operational and liaison with the club steward confirms that functions were taking place on Friday ad Saturday nights until midnight.

In the Planning Decision Notice for Application 131045/FO/2021 Planning Condition 15 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}

Apt. 17 (2nd floor facing towards Whitehouse Club and A576)

The daytime noise levels in the Living Room of Apt. 17 were measured to be 24.3dB $L_{Aeq, 16hr}$, the night-time noise levels in the Bedroom of Apt. 17 were measured to be 26.9dB $L_{Aeq, 8hr}$. The 15th highest night-time L_{Amax} value was measured to be 40.6dB. The measured noise levels are compliant with the target criteria.

Apt. 16 (1st floor facing away from Whitehouse club and A576)

The daytime noise levels in the Living Room of Apt. 16 were measured to be 21.5dB $L_{Aeq, 16hr}$, the night-time noise levels in the Bedroom of Apt. 16 were measured to be 17.7dB $L_{Aeq, 8hr}$. The 15th highest night-time L_{Amax} value was measured to be 35.1dB. The measured noise levels are compliant with the target criteria.

Apt. 4 (Gnd floor facing towards Whitehouse club and A576)

The daytime noise levels in the Living Room of Apt. 4 were measured to be 23.1dB $L_{Aeq, 16hr}$, the night-time noise levels in the Bedroom of Apt. 4 were measured to be 16.5dB $L_{Aeq, 8hr}$. The 15th highest night-time L_{Amax} value was measured to be 32.8dB. The measured noise levels are compliant with the target criteria.

The levels measured are well within the targets set by Manchester City Council planning guidance and condition 15. It is therefore respectfully requested that planning condition 15 is discharged.

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 = L1 - L2 + 10 log (S/A), where:
L1 = Noise level in the source room
L2 = 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

Apt. 17

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
21/11/2025							
13:45:00	17 LR	00:30:00	47.9	28.2	25.1	20.7	18.9
14:15:00	17 LR	00:30:00	46	25.1	26.2	21.1	18.8
14:45:00	17 LR	00:30:00	47	26.5	28.2	22	19.3
15:15:00	17 LR	00:30:00	48.6	25.2	25.6	20.1	18.5
15:45:00	17 LR	00:30:00	34.8	21	23.1	20	18.6
16:15:00	17 LR	00:30:00	34.2	20.8	22.2	20.1	18.8
16:45:00	17 LR	00:30:00	37.1	21.8	23.9	20.7	19.3
17:15:00	17 LR	00:30:00	53.2	23.3	23.8	21.3	19.7
17:45:00	17 LR	00:30:00	33.6	22.1	24	21.2	19.6
18:15:00	17 LR	00:30:00	37.7	21.6	23	20.9	19.4
18:45:00	17 LR	00:30:00	51.6	27.3	25.1	21.2	19.7
19:15:00	17 LR	00:30:00	36.6	21.6	23	20.8	19.3
19:45:00	17 LR	00:30:00	31.9	21.7	23.2	21	19.5
20:15:00	17 LR	00:30:00	28.2	21.1	22.7	20.7	19.1
20:45:00	17 LR	00:30:00	39.4	21.2	22.6	20.4	18.8
21:15:00	17 LR	00:30:00	29.4	20.6	22.1	20	18.6
21:45:00	17 LR	00:30:00	35.5	20.3	21.6	19.7	18.4
22:15:00	17 LR	00:30:00	30.9	20.3	21.7	19.6	18.2
22:45:00	17 LR	00:30:00	30.8	20	21.3	19.3	17.9
23:15:00	17 LR	00:30:00	29.8	20.1	21.5	19.4	17.9
23:45:00	17 LR	00:30:00	33.6	19.9	21.4	19.1	17.7
22/11/2025							
00:15:00	17 LR	00:30:00	30.6	19.3	20.9	18.5	17.2
00:45:00	17 LR	00:30:00	28.5	19	20.3	18.3	17.1
01:15:00	17 LR	00:30:00	34.1	18.8	20	17.9	16.8
01:45:00	17 LR	00:30:00	25.3	18	19.3	17.5	16.5
02:15:00	17 LR	00:30:00	28.6	17.6	18.8	17.2	16.3
02:45:00	17 LR	00:30:00	26.6	18	19.3	17.6	16.5
03:15:00	17 LR	00:30:00	36.8	25.6	28.1	23.6	18
03:45:00	17 LR	00:30:00	45.5	41.2	43.5	41	36.8
04:15:00	17 LR	00:30:00	47.2	42.4	44.8	41.5	40.6
04:45:00	17 LR	00:30:00	46.9	40.9	43.8	38.7	36.1
05:15:00	17 LR	00:30:00	44	39.4	40.6	39.4	37.2
05:45:00	17 LR	00:30:00	31	19.7	21.2	18.7	17.2
06:15:00	17 LR	00:30:00	29.8	20.6	21.9	20.1	18.9
06:45:00	17 LR	00:30:00	31.5	21.4	22.9	20.7	19.3
07:15:00	17 LR	00:30:00	32.2	21.1	22.6	20.4	19.2
07:45:00	17 LR	00:30:00	35.9	20.8	22.7	19.7	18
08:15:00	17 LR	00:30:00	31.9	20.5	22.2	19.7	17.9
08:45:00	17 LR	00:30:00	34.7	21.5	23.2	20.8	18.8
09:15:00	17 LR	00:30:00	34.5	21.3	22.9	20.3	18.3
09:45:00	17 LR	00:30:00	35.3	21.6	23.2	20.6	18.5
10:15:00	17 LR	00:30:00	34	22.3	24.7	21.2	19
10:45:00	17 LR	00:30:00	30.9	21.4	23	20.7	18.9

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
11:15:00	17 LR	00:30:00	31.6	21.2	22.8	20.5	18.4
11:45:00	17 LR	00:30:00	37.6	21.6	23.6	20.7	18.7
12:15:00	17 LR	00:30:00	31.7	21.4	22.9	20.7	18.8
12:45:00	17 LR	00:30:00	42.8	21.4	22.4	19.9	18
13:15:00	17 LR	00:30:00	38.8	20.9	22.4	19.8	18
13:45:00	17 LR	00:30:00	35.2	20.9	22.7	20	17.9
14:15:00	17 LR	00:30:00	34.8	21.4	23.8	20.1	18.3
14:45:00	17 LR	00:30:00	32.7	20.8	22.4	19.8	18.1
15:15:00	17 LR	00:30:00	32.6	20.5	22.3	19.6	18
15:45:00	17 LR	00:30:00	33.6	20.7	22.6	19.9	17.7
16:15:00	17 LR	00:30:00	32.1	20.8	22.7	19.9	18.1
16:45:00	17 LR	00:30:00	33.2	20.9	22.5	20.1	18.4
17:15:00	17 LR	00:30:00	31.1	20.9	22.7	19.9	18.3
17:45:00	17 LR	00:30:00	36.9	20.6	22.5	19.4	17.8
18:15:00	17 LR	00:30:00	31.6	20.4	22.2	19.5	18
18:45:00	17 LR	00:30:00	32.8	20.6	22	19.9	18.4
19:15:00	17 LR	00:30:00	30.9	20.5	21.8	19.8	18.3
19:45:00	17 LR	00:30:00	37.2	21.4	23.3	19.9	18.1
20:15:00	17 LR	00:30:00	37.3	21.2	22.8	20	18.3
20:45:00	17 LR	00:30:00	35.6	21.2	22.9	20.4	18.5
21:15:00	17 LR	00:30:00	52.2	23.6	24.1	20.5	18.6
21:45:00	17 LR	00:30:00	36	21.5	23.2	20.4	18.5
22:15:00	17 LR	00:30:00	35.3	21.3	23.2	20.4	18.4
22:45:00	17 LR	00:30:00	33.9	21.1	22.9	20.2	18.4
23:15:00	17 LR	00:30:00	42.3	22.8	24.2	21.1	19
23:45:00	17 LR	00:30:00	35	21.2	23.1	20.4	18.5
23/11/2025							
00:15:00	17 LR	00:30:00	41.9	21.1	22.9	19.9	17.8
00:45:00	17 LR	00:30:00	41.4	21.3	23.5	20.3	17.9
01:15:00	17 LR	00:30:00	46.7	21.8	24.1	19.8	17.5
01:45:00	17 LR	00:30:00	37.6	31.9	36.6	19.8	17.4
02:15:00	17 LR	00:30:00	43.1	39.8	41.3	39.6	37.6
02:45:00	17 LR	00:30:00	46.2	43	44.5	43.1	38.8
03:15:00	17 LR	00:30:00	40.2	37.5	38.8	37.4	35.5
03:45:00	17 LR	00:30:00	40.3	29.7	37.7	18.8	17
04:15:00	17 LR	00:30:00	33.6	18.6	19.6	18.3	17.2
04:45:00	17 LR	00:30:00	43	35.3	39.2	32.1	21.3
05:15:00	17 LR	00:30:00	42.6	35.6	39.6	33.3	25.4
05:45:00	17 LR	00:30:00	39	25.9	29.3	21.7	18
06:15:00	17 LR	00:30:00	28.5	19.8	22	18.5	16.9
06:45:00	17 LR	00:30:00	40.7	26.4	28.1	18.9	17.1
07:15:00	17 LR	00:30:00	42.9	31.2	37.5	19.2	16.9
07:45:00	17 LR	00:30:00	43.7	30.5	34.7	23	18.5
08:15:00	17 LR	00:30:00	32.1	20.5	22.5	19.4	17.6
08:45:00	17 LR	00:30:00	44.4	27.5	30	20.2	18.3
09:15:00	17 LR	00:30:00	46.5	20.6	22	19.4	17.8
09:45:00	17 LR	00:30:00	47.4	27.6	32.8	20.9	18.7
10:15:00	17 LR	00:30:00	45	26.7	28.7	21.5	19.5
10:45:00	17 LR	00:30:00	43.9	34.5	38.3	32.9	21.6

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
11:15:00	17 LR	00:30:00	42.6	28.9	32.8	23	20.3
11:45:00	17 LR	00:30:00	39.7	27.2	31.6	22.1	20.1
12:15:00	17 LR	00:30:00	38.7	22.9	24.8	21.5	20
12:45:00	17 LR	00:30:00	36.5	21.7	23	20.9	19.8
13:15:00	17 LR	00:30:00	38.9	22.3	23.6	20.9	19.6
13:45:00	17 LR	00:30:00	42.2	22.1	23.1	20.9	19.5
14:15:00	17 LR	00:30:00	43.1	27.8	31.6	22	20.3
14:45:00	17 LR	00:30:00	38.3	25.6	27.6	22.3	19.8
15:15:00	17 LR	00:30:00	40.5	22.6	24.2	21.1	19.7
15:45:00	17 LR	00:30:00	41.8	23	24	20.8	19.3
16:15:00	17 LR	00:30:00	48	29.1	30.2	21.7	19.9
16:45:00	17 LR	00:30:00	32.4	21.8	23.4	21.2	19.6
17:15:00	17 LR	00:30:00	42.6	25.6	26.5	21.4	19.8
17:45:00	17 LR	00:30:00	35.6	25	27.7	22.4	20.4
18:15:00	17 LR	00:30:00	39.1	28.7	33	24.4	21.2
18:45:00	17 LR	00:30:00	36.7	21.9	23.4	20.9	19.3
19:15:00	17 LR	00:30:00	32	22.8	25.9	21.2	19.5
19:45:00	17 LR	00:30:00	35.7	20.8	22	20.4	19
20:15:00	17 LR	00:30:00	28.4	21	22.5	20.6	19
20:45:00	17 LR	00:30:00	39.9	21.3	22.9	20.4	18.9
21:15:00	17 LR	00:30:00	30.9	20.7	21.9	20.2	18.9
21:45:00	17 LR	00:30:00	29.1	20.2	21.6	19.7	18.2
22:15:00	17 LR	00:30:00	37.1	20	21.4	19.1	17.4
22:45:00	17 LR	00:30:00	28.9	19.8	21.3	19.3	17.8
23:15:00	17 LR	00:30:00	29.1	19.7	21.2	19.2	17.8
23:45:00	17 LR	00:30:00	53.2	20.8	20.7	18.6	17.3
24/11/2025							
00:15:00	17 LR	00:30:00	44.4	40.6	43.7	37	19.3
00:45:00	17 LR	00:30:00	44.5	43.5	43.9	43.4	42.9
01:15:00	17 LR	00:30:00	44.8	43.7	44.2	43.6	43.1
01:45:00	17 LR	00:30:00	44.8	39	44	20.9	16.4
02:15:00	17 LR	00:30:00	34.7	17.2	18.1	16.5	15.7
02:45:00	17 LR	00:30:00	34.1	17.6	18.5	17.4	15.9
03:15:00	17 LR	00:30:00	28.3	18.2	19	17.8	17
03:45:00	17 LR	00:30:00	27	18.9	20.7	18	17.3
04:15:00	17 LR	00:30:00	29.9	17.3	18.1	17	16
04:45:00	17 LR	00:30:00	24.2	17	18.1	16.6	15.9
05:15:00	17 LR	00:30:00	23.1	17	18.2	16.6	15.8
05:45:00	17 LR	00:30:00	34.2	18.6	20.3	17.8	16.4
06:15:00	17 LR	00:30:00	30.8	20.5	22.3	19.6	17.9
06:45:00	17 LR	00:30:00	31.1	21.8	23.6	20.9	19.2
07:15:00	17 LR	00:30:00	57	26.8	25.1	22.3	20.9
07:45:00	17 LR	00:30:00	40.2	24.6	27.6	23	21.2

Table B1 – Fully tabulated internal noise measurement results for Apt. 17 Living Room

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
28/11/2025							
15:15:00	17 BD	00:30:00	44.2	26.4	26.9	22.8	21.2
15:45:00	17 BD	00:30:00	33	23.4	25.2	22.6	21.1
16:15:00	17 BD	00:30:00	45.3	24.7	27	22.2	20.7
16:45:00	17 BD	00:30:00	37.9	23.4	25.6	22.2	20.7
17:15:00	17 BD	00:30:00	45.8	24.2	25.9	22	20.5
17:45:00	17 BD	00:30:00	38.4	24.3	26.8	22.6	21
18:15:00	17 BD	00:30:00	41.6	24	25.9	23	21.2
18:45:00	17 BD	00:30:00	32	23.6	25.7	22.6	21.2
19:15:00	17 BD	00:30:00	32.7	23.6	25.5	22.7	21.2
19:45:00	17 BD	00:30:00	40	23.2	25.1	22.2	20.8
20:15:00	17 BD	00:30:00	35.8	23.6	25.5	22.7	21.2
20:45:00	17 BD	00:30:00	36.8	23.8	25.8	22.7	21.1
21:15:00	17 BD	00:30:00	40.1	24.2	26.1	22.8	20.9
21:45:00	17 BD	00:30:00	36	23.4	24.7	22.5	20.6
22:15:00	17 BD	00:30:00	34.5	22.6	24.2	21.6	19.6
22:45:00	17 BD	00:30:00	40.5	23	25	21.4	19.2
23:15:00	17 BD	00:30:00	34.7	22.7	25.1	21.4	19.2
23:45:00	17 BD	00:30:00	52	28.3	30.9	26.4	21.3
29/11/2025							
00:15:00	17 BD	00:30:00	32.9	25.8	28.5	24.9	21.8
00:45:00	17 BD	00:30:00	33.7	24.2	26.4	23.2	21.2
01:15:00	17 BD	00:30:00	50.4	26.1	30	23.8	19.7
01:45:00	17 BD	00:30:00	34.8	21.5	23.7	20.5	17.9
02:15:00	17 BD	00:30:00	36.2	20.3	22.3	19.2	17
02:45:00	17 BD	00:30:00	32.9	22.9	26	21.9	17.1
03:15:00	17 BD	00:30:00	26.4	18.7	20.9	17.7	16.1
03:45:00	17 BD	00:30:00	37.5	22.2	24.7	20.9	16.9
04:15:00	17 BD	00:30:00	32.5	18.7	21	17.6	16
04:45:00	17 BD	00:30:00	34.9	19.6	21.2	17.6	16
05:15:00	17 BD	00:30:00	33.1	24.8	29	22.2	18
05:45:00	17 BD	00:30:00	34.8	26.3	30.7	23.6	20.2
06:15:00	17 BD	00:30:00	40.6	32.8	37.3	30	26.2
06:45:00	17 BD	00:30:00	37.4	25.4	28	23.8	21.2
07:15:00	17 BD	00:30:00	34.5	23.8	26.2	22.2	20
07:45:00	17 BD	00:30:00	34.6	23.6	26.4	22	19.6
08:15:00	17 BD	00:30:00	38.2	24.2	26.6	22.8	20.6
08:45:00	17 BD	00:30:00	38.9	25.1	27.4	24	21.8
09:15:00	17 BD	00:30:00	38	25.1	26.9	24.2	22.3
09:45:00	17 BD	00:30:00	41.6	28.8	30.3	28.4	26
10:15:00	17 BD	00:30:00	36.5	30.4	32.2	30.3	27
10:45:00	17 BD	00:30:00	33.3	26.8	28.4	26.4	24.5
11:15:00	17 BD	00:30:00	38.3	30.1	31.8	29.7	27.5
11:45:00	17 BD	00:30:00	40.1	30.9	32.9	30.3	28.6
12:15:00	17 BD	00:30:00	41.2	27.2	30	25.7	23.4
12:45:00	17 BD	00:30:00	56.8	29.9	32.9	27	23
13:15:00	17 BD	00:30:00	42.5	36.3	38.9	36	28.4
13:45:00	17 BD	00:30:00	37.6	29.2	33.8	26.1	22.8
14:15:00	17 BD	00:30:00	40.6	25.1	27.3	23.7	21.2

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
14:45:00	17 BD	00:30:00	37.3	25.5	27.7	24.3	22
15:15:00	17 BD	00:30:00	38.1	25.9	28.3	24.5	22.3
15:45:00	17 BD	00:30:00	42.7	25.6	27.1	24.7	23
16:15:00	17 BD	00:30:00	35.5	27.7	30.2	26.7	24.8
16:45:00	17 BD	00:30:00	39	27.1	28.9	26.2	24.6
17:15:00	17 BD	00:30:00	54.5	28.4	28.9	26.1	24.4
17:45:00	17 BD	00:30:00	40.1	25.6	27.2	24.9	23.2
18:15:00	17 BD	00:30:00	41	31.3	35.4	28.4	24.5
18:45:00	17 BD	00:30:00	35	26.6	28.1	26	24.7
19:15:00	17 BD	00:30:00	39.4	26.4	28.3	25.5	24.3
19:45:00	17 BD	00:30:00	37	27.4	29.4	26.6	24.9
20:15:00	17 BD	00:30:00	42	28.7	31.6	27.1	25
20:45:00	17 BD	00:30:00	41.3	31.4	34.5	30.1	25.8
21:15:00	17 BD	00:30:00	43.2	26.6	28	25.7	24.2
21:45:00	17 BD	00:30:00	34.3	25.6	27	24.9	23.5
22:15:00	17 BD	00:30:00	38.8	25.3	26.8	24.3	22.8
22:45:00	17 BD	00:30:00	37.7	24.6	25.8	23.6	22.2
23:15:00	17 BD	00:30:00	41.8	24	25.5	22.9	21.6
23:45:00	17 BD	00:30:00	39.9	24.1	25.7	23.2	21.9
30/11/2025							
00:15:00	17 BD	00:30:00	34.2	23	24.2	22.2	20.8
00:45:00	17 BD	00:30:00	36.5	23.3	24.4	22.2	20.8
01:15:00	17 BD	00:30:00	36.5	22.3	23.5	21.6	20.1
01:45:00	17 BD	00:30:00	35	21.9	23.1	21.3	19.9
02:15:00	17 BD	00:30:00	29.6	21.3	22.7	21	19.6
02:45:00	17 BD	00:30:00	33.2	20.8	22	20.4	19.1
03:15:00	17 BD	00:30:00	34	20.5	21.7	20	18.8
03:45:00	17 BD	00:30:00	36.3	20.8	22.1	20.4	19.1
04:15:00	17 BD	00:30:00	31.1	21	22.4	20.4	19.2
04:45:00	17 BD	00:30:00	37.5	21.3	22.7	20.9	19.6
05:15:00	17 BD	00:30:00	51.3	24	22.8	21.1	20
05:45:00	17 BD	00:30:00	30.7	21.5	22.7	21.2	20.1
06:15:00	17 BD	00:30:00	34.1	22.4	23.5	21.7	20.5
06:45:00	17 BD	00:30:00	35.7	23.6	25.3	22.7	21.3
07:15:00	17 BD	00:30:00	39.9	24	25.3	22.7	21.6
07:45:00	17 BD	00:30:00	33.3	23.3	24.9	22.4	21.3
08:15:00	17 BD	00:30:00	34.3	23.5	24.7	22.6	21.4
08:45:00	17 BD	00:30:00	34.9	23.7	25.1	22.7	21.4
09:15:00	17 BD	00:30:00	34.8	23.9	25.2	22.9	21.5
09:45:00	17 BD	00:30:00	34	24.4	26	23.5	22.1
10:15:00	17 BD	00:30:00	41.3	25	26.2	24.3	22.9
10:45:00	17 BD	00:30:00	38.7	24.8	25.9	23.7	22.4
11:15:00	17 BD	00:30:00	35.9	23.8	25.1	23.1	21.5
11:45:00	17 BD	00:30:00	51.7	23.3	24.2	21.7	20
12:15:00	17 BD	00:30:00	44.5	22.8	24.1	21.4	19.5
12:45:00	17 BD	00:30:00	49.7	24.9	25.7	21.5	19.8
13:15:00	17 BD	00:30:00	33.3	22.5	24.5	21.5	19.6
13:45:00	17 BD	00:30:00	38.3	22	23.2	21.3	19.7
14:15:00	17 BD	00:30:00	36.8	22.3	23.7	21.5	20

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
14:45:00	17 BD	00:30:00	40.6	23.9	25	22	20.5
15:15:00	17 BD	00:30:00	35.6	22.4	23.9	21.6	20
15:45:00	17 BD	00:30:00	34	23.2	24.5	22.2	20.4
16:15:00	17 BD	00:30:00	36.1	23	24.6	22	20.3
16:45:00	17 BD	00:30:00	33.6	22.7	24.1	21.9	20
17:15:00	17 BD	00:30:00	35	22.6	23.9	21.8	20.1
17:45:00	17 BD	00:30:00	47.6	23.2	23.7	21.7	20.1
18:15:00	17 BD	00:30:00	53.3	27.1	25.9	22	20
18:45:00	17 BD	00:30:00	34.5	22.7	24.1	21.7	20.1
19:15:00	17 BD	00:30:00	44.4	23.7	24.8	22	20.2
19:45:00	17 BD	00:30:00	48.6	25.3	24.7	21.9	20.2
20:15:00	17 BD	00:30:00	34.3	22.8	24.6	21.8	19.9
20:45:00	17 BD	00:30:00	32.2	22.5	24	21.8	19.8
21:15:00	17 BD	00:30:00	32.4	22.2	23.9	21.5	19.6
21:45:00	17 BD	00:30:00	32.5	22.6	24.5	21.6	19.6
22:15:00	17 BD	00:30:00	32.8	24.8	27.3	23.6	20.9
22:45:00	17 BD	00:30:00	34.4	25.5	28.2	24.6	22.1
23:15:00	17 BD	00:30:00	40.8	26.6	29	26.1	21.6
23:45:00	17 BD	00:30:00	31.3	22.5	24.8	21.6	19
01/12/2025							
00:15:00	17 BD	00:30:00	33.9	24.2	27.1	23	20.2
00:45:00	17 BD	00:30:00	37	29.3	32.2	28.6	23.2
01:15:00	17 BD	00:30:00	36.3	27.8	30.7	27	21.6
01:45:00	17 BD	00:30:00	42.8	34.4	38.1	32.7	27.1
02:15:00	17 BD	00:30:00	36.2	24.6	28.5	21.8	18.8
02:45:00	17 BD	00:30:00	38.1	26.9	30.9	22.4	18.4
03:15:00	17 BD	00:30:00	36.9	19.3	21.1	18.5	17
03:45:00	17 BD	00:30:00	31	21.5	25	19.3	17.4
04:15:00	17 BD	00:30:00	39.8	31.6	34.9	31	18.7
04:45:00	17 BD	00:30:00	47.4	37.7	41.6	35	30.3
05:15:00	17 BD	00:30:00	38.5	28.2	31.8	26.1	20.6
05:45:00	17 BD	00:30:00	33.5	24.1	27.4	22.2	19.3
06:15:00	17 BD	00:30:00	35.2	23	25	21.8	19.8
06:45:00	17 BD	00:30:00	31.5	23.9	26	23.1	20.8
07:15:00	17 BD	00:30:00	55.5	26.8	27.1	23.5	21.5
07:45:00	17 BD	00:30:00	72.9	39.6	36.2	30.5	25.2
08:15:00	17 BD	00:30:00	45.7	35.8	39.2	33.9	27.2

Table B2 – Fully tabulated internal noise measurement results for Apt. 17 Bedroom

Apt. 16

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
28/11/2025							
14:30:00	16 LR	00:30:00	50.1	23.7	24.1	21.5	20.9
15:00:00	16 LR	00:30:00	30.7	21.3	21.8	21	20.7
15:30:00	16 LR	00:30:00	35	21.7	22.4	21	20.7
16:00:00	16 LR	00:30:00	29.8	21.3	22.2	20.9	20.5
16:30:00	16 LR	00:30:00	29.5	21.3	22	20.9	20.6
17:00:00	16 LR	00:30:00	38.6	21.5	22.6	20.9	20.6
17:30:00	16 LR	00:30:00	28.8	21.4	22.2	21	20.7

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
18:00:00	16 LR	00:30:00	30.4	21.4	22	21.1	20.8
18:30:00	16 LR	00:30:00	28.4	21.2	21.7	20.9	20.7
19:00:00	16 LR	00:30:00	29.5	21.2	21.8	20.9	20.6
19:30:00	16 LR	00:30:00	27.7	21.1	21.6	20.9	20.6
20:00:00	16 LR	00:30:00	30	21.5	22.3	21	20.7
20:30:00	16 LR	00:30:00	30.9	21.2	21.7	20.8	20.5
21:00:00	16 LR	00:30:00	31.5	21.4	22.1	20.9	20.5
21:30:00	16 LR	00:30:00	31.1	21.1	21.5	20.7	20.4
22:00:00	16 LR	00:30:00	28.5	20.7	21	20.5	20.2
22:30:00	16 LR	00:30:00	31.5	20.9	21.6	20.4	20.2
23:00:00	16 LR	00:30:00	37.3	20.8	21	20.3	20.1
23:30:00	16 LR	00:30:00	28.7	20.6	20.8	20.3	20.1
29/11/2025							
00:00:00	16 LR	00:30:00	37.4	20.7	21.1	20.2	19.9
00:30:00	16 LR	00:30:00	26.7	20.3	20.5	20.1	19.9
01:00:00	16 LR	00:30:00	29.4	20.1	20.4	20	19.8
01:30:00	16 LR	00:30:00	30.2	20.6	20.8	20.5	20.3
02:00:00	16 LR	00:30:00	25.7	20.8	21	20.6	20.3
02:30:00	16 LR	00:30:00	26.2	21.5	22.6	21.2	20.4
03:00:00	16 LR	00:30:00	23.9	20.1	20.6	19.9	19.7
03:30:00	16 LR	00:30:00	34.9	20.2	20.1	19.8	19.6
04:00:00	16 LR	00:30:00	31.2	20.2	20	19.8	19.6
04:30:00	16 LR	00:30:00	26.9	19.9	20	19.8	19.6
05:00:00	16 LR	00:30:00	28.5	20.2	20.4	20	19.7
05:30:00	16 LR	00:30:00	25.6	20.5	21.3	20.1	19.9
06:00:00	16 LR	00:30:00	29.7	20.8	21.7	20.3	20
06:30:00	16 LR	00:30:00	29.1	20.8	21.7	20.3	20
07:00:00	16 LR	00:30:00	29.9	21.2	22.5	20.6	20
07:30:00	16 LR	00:30:00	30.8	23	25.4	21.4	20.9
08:00:00	16 LR	00:30:00	30.2	25.1	26	25	23.8
08:30:00	16 LR	00:30:00	33.4	25.3	26.2	25.2	24.1
09:00:00	16 LR	00:30:00	30.1	21.5	22.2	21.1	20.5
09:30:00	16 LR	00:30:00	38.6	21.9	22.9	21.5	20.9
10:00:00	16 LR	00:30:00	28.2	21.8	22.9	21.4	20.6
10:30:00	16 LR	00:30:00	33	21.4	22.2	20.6	20.2
11:00:00	16 LR	00:30:00	31.3	21.8	23.4	21	20.4
11:30:00	16 LR	00:30:00	29.8	21.2	22.1	20.7	20.2
12:00:00	16 LR	00:30:00	43.6	21.4	22.1	20.5	20.1
12:30:00	16 LR	00:30:00	40.8	23.9	26.8	22	20.6
13:00:00	16 LR	00:30:00	29.7	21.5	22.7	20.9	20.3
13:30:00	16 LR	00:30:00	30.2	21	22	20.5	20.1
14:00:00	16 LR	00:30:00	30.8	21.4	22.6	20.6	20.1
14:30:00	16 LR	00:30:00	32.7	21.3	22.2	20.6	20.2
15:00:00	16 LR	00:30:00	29.5	21.5	22.7	20.8	20.4
15:30:00	16 LR	00:30:00	29.9	21.5	22.3	21.1	20.7
16:00:00	16 LR	00:30:00	38.1	22.6	23.7	21.9	21.3
16:30:00	16 LR	00:30:00	29.8	22.3	23	22	21.6
17:00:00	16 LR	00:30:00	45.3	22.4	22.6	21.7	21.1
17:30:00	16 LR	00:30:00	34.1	22.5	23.8	21.9	21.2

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
18:00:00	16 LR	00:30:00	31.4	22.7	23.8	22.2	21.6
18:30:00	16 LR	00:30:00	30.2	22.8	23.5	22.4	21.9
19:00:00	16 LR	00:30:00	31.8	22.5	23.2	22.1	21.7
19:30:00	16 LR	00:30:00	33.9	22.9	24.1	22.1	21.5
20:00:00	16 LR	00:30:00	35.5	23.6	25.2	22.7	21.7
20:30:00	16 LR	00:30:00	36.3	24.1	26.5	22.5	21.8
21:00:00	16 LR	00:30:00	29.4	22.3	22.9	22	21.5
21:30:00	16 LR	00:30:00	29.8	21.8	22.4	21.4	21
22:00:00	16 LR	00:30:00	33.2	21.9	22.3	21.4	21
22:30:00	16 LR	00:30:00	37.6	21.6	21.8	21.1	20.8
23:00:00	16 LR	00:30:00	30.3	21.5	21.8	21.1	20.8
23:30:00	16 LR	00:30:00	34.9	21.6	21.9	21.2	20.8
30/11/2025							
00:00:00	16 LR	00:30:00	31.1	21.3	21.6	20.9	20.5
00:30:00	16 LR	00:30:00	39.5	21.6	21.7	21.3	21
01:00:00	16 LR	00:30:00	29.4	21.6	21.8	21.5	21.3
01:30:00	16 LR	00:30:00	24.6	21.7	21.9	21.6	21.4
02:00:00	16 LR	00:30:00	24	21.1	21.8	20.8	20.4
02:30:00	16 LR	00:30:00	26.5	20.6	20.7	20.5	20.3
03:00:00	16 LR	00:30:00	25.6	20.5	20.7	20.4	20.2
03:30:00	16 LR	00:30:00	25.1	20.6	20.8	20.5	20.3
04:00:00	16 LR	00:30:00	24.7	20.6	20.8	20.6	20.3
04:30:00	16 LR	00:30:00	36.5	21.1	21.1	20.8	20.5
05:00:00	16 LR	00:30:00	30.2	21.1	21.3	20.9	20.6
05:30:00	16 LR	00:30:00	26.3	21.3	21.6	21.2	20.8
06:00:00	16 LR	00:30:00	32.8	21.9	22.1	21.6	21.2
06:30:00	16 LR	00:30:00	38	22.9	23.1	22.2	21.8
07:00:00	16 LR	00:30:00	38.8	22.4	22.9	22.1	21.8
07:30:00	16 LR	00:30:00	29.1	22.1	22.9	21.8	21.2
08:00:00	16 LR	00:30:00	28.8	21.7	22.1	21.4	21.1
08:30:00	16 LR	00:30:00	29.5	21.7	22.3	21.4	21
09:00:00	16 LR	00:30:00	33.3	21.9	22.4	21.6	21.3
09:30:00	16 LR	00:30:00	40.3	22.3	22.9	22	21.5
10:00:00	16 LR	00:30:00	28.2	22.3	22.8	22.1	21.7
10:30:00	16 LR	00:30:00	34.2	22	22.7	21.6	21.2
11:00:00	16 LR	00:30:00	27.2	21.1	21.7	20.8	20.4
11:30:00	16 LR	00:30:00	33	20.9	21.6	20.4	20.2
12:00:00	16 LR	00:30:00	41	20.8	20.9	20.3	20.1
12:30:00	16 LR	00:30:00	33.5	20.9	21.5	20.4	20.1
13:00:00	16 LR	00:30:00	28.7	20.5	20.6	20.3	20.1
13:30:00	16 LR	00:30:00	26.1	20.8	21.1	20.6	20.4
14:00:00	16 LR	00:30:00	36	21.3	21.3	20.6	20.4
14:30:00	16 LR	00:30:00	27.1	20.8	21.2	20.5	20.3
15:00:00	16 LR	00:30:00	27.3	20.8	21.2	20.5	20.3
15:30:00	16 LR	00:30:00	29.9	20.8	21.1	20.5	20.2
16:00:00	16 LR	00:30:00	27.2	20.7	21.1	20.4	20.1
16:30:00	16 LR	00:30:00	27.1	20.6	21	20.4	20.2
17:00:00	16 LR	00:30:00	26.2	20.5	20.8	20.3	20.1
17:30:00	16 LR	00:30:00	44.4	21.6	21.4	20.4	20.2

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
18:00:00	16 LR	00:30:00	37.5	21.3	21.6	20.4	20.2
18:30:00	16 LR	00:30:00	34.2	20.9	21.1	20.4	20.2
19:00:00	16 LR	00:30:00	35.6	21.3	21.5	20.5	20.2
19:30:00	16 LR	00:30:00	25.5	20.6	21	20.4	20.2
20:00:00	16 LR	00:30:00	27.4	20.7	21.2	20.5	20.2
20:30:00	16 LR	00:30:00	28.5	20.6	20.9	20.4	20.2
21:00:00	16 LR	00:30:00	30.7	20.8	21.4	20.5	20.2
21:30:00	16 LR	00:30:00	32.2	20.6	21.1	20.4	20.1
22:00:00	16 LR	00:30:00	27.4	20.5	20.8	20.4	20.1
22:30:00	16 LR	00:30:00	29.1	20.7	21	20.3	20.1
23:00:00	16 LR	00:30:00	31.6	20.8	21.1	20.7	20.4
23:30:00	16 LR	00:30:00	27.6	21.1	21.5	20.9	20.5
01/12/2025							
00:00:00	16 LR	00:30:00	29.6	21.7	23.2	20.9	20.5
00:30:00	16 LR	00:30:00	34.6	20.5	20.8	20.4	20
01:00:00	16 LR	00:30:00	29.7	20.6	21.1	20.4	20.1
01:30:00	16 LR	00:30:00	30.5	20.4	20.9	20.1	19.9
02:00:00	16 LR	00:30:00	25.9	20.2	20.5	20.1	19.9
02:30:00	16 LR	00:30:00	42.5	20.2	20.3	20	19.8
03:00:00	16 LR	00:30:00	28.5	20.2	20.4	20.1	19.9
03:30:00	16 LR	00:30:00	25.7	20.2	20.5	20.1	19.9
04:00:00	16 LR	00:30:00	35.6	21	21.8	20.6	20.3
04:30:00	16 LR	00:30:00	36.7	21.2	22.2	20.6	20.1
05:00:00	16 LR	00:30:00	26	21	21.3	20.9	20.4
05:30:00	16 LR	00:30:00	31.8	24	25.9	24	21.1
06:00:00	16 LR	00:30:00	32.5	21.4	22.2	20.7	20.3
06:30:00	16 LR	00:30:00	33.9	21.4	21.7	20.9	20.6
07:00:00	16 LR	00:30:00	43.2	22.6	22.6	21.1	20.7

Table B3 – Fully tabulated internal noise measurement results for Apt. 16 Living Room

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
28/11/2025							
15:00:00	16 BD	00:30:00	55.7	27.6	27.9	19.8	19.4
15:30:00	16 BD	00:30:00	31.8	19.1	21.4	19.6	19.3
16:00:00	16 BD	00:30:00	39.3	20	21.6	19.6	19.3
16:30:00	16 BD	00:30:00	34.4	18.4	21.3	19.5	19.3
17:00:00	16 BD	00:30:00	33.1	17.7	20.2	19.5	19.3
17:30:00	16 BD	00:30:00	30.5	17.7	20.4	19.5	19.3
18:00:00	16 BD	00:30:00	33.4	19.4	22.7	19.6	19.3
18:30:00	16 BD	00:30:00	30.5	18.2	20.5	19.5	19.3
19:00:00	16 BD	00:30:00	28.9	17.9	20.3	19.5	19.3
19:30:00	16 BD	00:30:00	33.1	18.1	20.6	19.5	19.3
20:00:00	16 BD	00:30:00	29.9	17.5	19.9	19.5	19.3
20:30:00	16 BD	00:30:00	30.7	18.6	21.1	19.5	19.3
21:00:00	16 BD	00:30:00	31	18	20.1	19.5	19.3
21:30:00	16 BD	00:30:00	31.7	18.7	21.3	19.5	19.3
22:00:00	16 BD	00:30:00	29.8	16.8	19.7	19.5	19.3
22:30:00	16 BD	00:30:00	31.3	16.3	19.7	19.5	19.3
23:00:00	16 BD	00:30:00	31.7	16.6	19.7	19.5	19.3

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
23:30:00	16 BD	00:30:00	30.2	16.2	19.7	19.5	19.3
29/11/2025							
00:00:00	16 BD	00:30:00	41.8	18.7	19.7	19.5	19.3
00:30:00	16 BD	00:30:00	29.1	17.3	19.7	19.5	19.3
01:00:00	16 BD	00:30:00	28.8	16.5	19.7	19.5	19.3
01:30:00	16 BD	00:30:00	32.1	16	19.7	19.5	19.3
02:00:00	16 BD	00:30:00	33.8	16	19.7	19.5	19.3
02:30:00	16 BD	00:30:00	22.2	16.3	19.7	19.5	19.3
03:00:00	16 BD	00:30:00	21.5	16	19.7	19.5	19.3
03:30:00	16 BD	00:30:00	20.2	15.8	19.7	19.5	19.3
04:00:00	16 BD	00:30:00	38.3	15.9	19.7	19.5	19.3
04:30:00	16 BD	00:30:00	23.5	15.8	19.7	19.5	19.3
05:00:00	16 BD	00:30:00	35.1	15.9	19.7	19.5	19.3
05:30:00	16 BD	00:30:00	25.6	16	19.7	19.5	19.3
06:00:00	16 BD	00:30:00	28.9	17.7	21.5	19.6	19.3
06:30:00	16 BD	00:30:00	39.1	19.8	21.9	19.6	19.3
07:00:00	16 BD	00:30:00	30.4	19	22	19.6	19.3
07:30:00	16 BD	00:30:00	31.7	18.8	22.1	19.6	19.3
08:00:00	16 BD	00:30:00	34.6	20.1	22.7	19.6	19.3
08:30:00	16 BD	00:30:00	31.4	19.9	21.7	19.6	19.3
09:00:00	16 BD	00:30:00	35.3	21.3	23.5	20.1	19.4
09:30:00	16 BD	00:30:00	31.6	20.7	23.1	19.7	19.3
10:00:00	16 BD	00:30:00	40.9	22	23.9	21	19.5
10:30:00	16 BD	00:30:00	31.4	21.8	24	20.9	19.4
11:00:00	16 BD	00:30:00	30.7	19.2	21.2	19.6	19.3
11:30:00	16 BD	00:30:00	36.2	22	24.9	20.2	19.4
12:00:00	16 BD	00:30:00	32.5	20.3	22.6	19.7	19.3
12:30:00	16 BD	00:30:00	47.4	20.7	21.7	19.6	19.3
13:00:00	16 BD	00:30:00	31.4	22.1	24.4	21.6	19.4
13:30:00	16 BD	00:30:00	32.4	21.9	24.5	20.6	19.4
14:00:00	16 BD	00:30:00	31.1	19.4	21.8	19.6	19.3
14:30:00	16 BD	00:30:00	35.6	20.1	23	19.6	19.3
15:00:00	16 BD	00:30:00	35.4	20.2	22.8	19.6	19.3
15:30:00	16 BD	00:30:00	33.3	20.9	23.8	19.6	19.3
16:00:00	16 BD	00:30:00	32.4	21.1	23	19.9	19.4
16:30:00	16 BD	00:30:00	35.1	22.7	24.4	21.5	19.6
17:00:00	16 BD	00:30:00	32.3	22.6	24.5	21.8	20.3
17:30:00	16 BD	00:30:00	48.4	22.6	23.1	20.7	19.5
18:00:00	16 BD	00:30:00	41.5	22	24.3	20.9	19.4
18:30:00	16 BD	00:30:00	33.6	22.9	24.9	22.1	20.3
19:00:00	16 BD	00:30:00	32.7	23.2	25	22.4	20.8
19:30:00	16 BD	00:30:00	34.7	22.5	24.1	21.8	20.4
20:00:00	16 BD	00:30:00	35	23.1	25.2	21.9	20.2
20:30:00	16 BD	00:30:00	38.4	23.2	25.5	21.8	20.1
21:00:00	16 BD	00:30:00	40.1	24.1	26.2	22.2	20.5
21:30:00	16 BD	00:30:00	33.4	22.1	23.5	21.4	19.9
22:00:00	16 BD	00:30:00	36.3	21.3	22.7	20.1	19.4
22:30:00	16 BD	00:30:00	33	20.6	21.7	19.7	19.3
23:00:00	16 BD	00:30:00	33.9	20.2	21.6	19.6	19.3

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
23:30:00	16 BD	00:30:00	32	19.6	20.9	19.6	19.3
30/11/2025							
00:00:00	16 BD	00:30:00	33.5	19.7	21.1	19.6	19.3
00:30:00	16 BD	00:30:00	32.1	18.6	19.7	19.5	19.3
01:00:00	16 BD	00:30:00	30.9	18.8	19.9	19.5	19.3
01:30:00	16 BD	00:30:00	32.8	18.7	19.7	19.5	19.3
02:00:00	16 BD	00:30:00	26.9	18.9	20	19.5	19.3
02:30:00	16 BD	00:30:00	26.2	17.6	19.7	19.5	19.3
03:00:00	16 BD	00:30:00	27.7	16.1	19.7	19.5	19.3
03:30:00	16 BD	00:30:00	31.6	16.1	19.7	19.5	19.3
04:00:00	16 BD	00:30:00	26.6	16.2	19.7	19.5	19.3
04:30:00	16 BD	00:30:00	23.4	16.3	19.7	19.5	19.3
05:00:00	16 BD	00:30:00	40.3	18.6	19.7	19.5	19.3
05:30:00	16 BD	00:30:00	31.6	18.3	19.7	19.5	19.3
06:00:00	16 BD	00:30:00	38.3	19.1	20.1	19.5	19.3
06:30:00	16 BD	00:30:00	35.8	20.3	21.1	19.6	19.3
07:00:00	16 BD	00:30:00	41.5	22.2	23.2	20.8	19.6
07:30:00	16 BD	00:30:00	30.6	21.5	22.8	20.7	19.6
08:00:00	16 BD	00:30:00	30.5	20.9	22.6	20.1	19.4
08:30:00	16 BD	00:30:00	33.8	20.2	21.5	19.6	19.3
09:00:00	16 BD	00:30:00	32.6	20.1	21.4	19.6	19.3
09:30:00	16 BD	00:30:00	33.1	20.4	22	19.7	19.3
10:00:00	16 BD	00:30:00	33.3	21.1	22.5	20.3	19.4
10:30:00	16 BD	00:30:00	37	21.7	23	21	19.6
11:00:00	16 BD	00:30:00	37.7	21	22.2	19.7	19.3
11:30:00	16 BD	00:30:00	30.6	18.4	20.3	19.5	19.3
12:00:00	16 BD	00:30:00	39.1	17.8	20.4	19.5	19.3
12:30:00	16 BD	00:30:00	42.8	17.8	19.7	19.5	19.3
13:00:00	16 BD	00:30:00	36.4	17.9	20.4	19.5	19.3
13:30:00	16 BD	00:30:00	37.8	16	19.7	19.5	19.3
14:00:00	16 BD	00:30:00	29.6	16.1	19.7	19.5	19.3
14:30:00	16 BD	00:30:00	40.2	19.2	19.7	19.5	19.3
15:00:00	16 BD	00:30:00	27.2	16.6	19.7	19.5	19.3
15:30:00	16 BD	00:30:00	27.1	16.5	19.7	19.5	19.3
16:00:00	16 BD	00:30:00	36.8	18.2	19.9	19.5	19.3
16:30:00	16 BD	00:30:00	30.1	16.7	19.7	19.5	19.3
17:00:00	16 BD	00:30:00	28.6	16.2	19.7	19.5	19.3
17:30:00	16 BD	00:30:00	27.4	16.1	19.7	19.5	19.3
18:00:00	16 BD	00:30:00	46.6	18.5	19.7	19.5	19.3
18:30:00	16 BD	00:30:00	49.1	21.1	20.8	19.5	19.3
19:00:00	16 BD	00:30:00	35.5	16.6	19.7	19.5	19.3
19:30:00	16 BD	00:30:00	34.2	17.7	19.7	19.5	19.3
20:00:00	16 BD	00:30:00	29.5	16.1	19.7	19.5	19.3
20:30:00	16 BD	00:30:00	31	16.3	19.7	19.5	19.3
21:00:00	16 BD	00:30:00	29.5	16	19.7	19.5	19.3
21:30:00	16 BD	00:30:00	30	16.6	19.7	19.5	19.3
22:00:00	16 BD	00:30:00	28.9	16.1	19.7	19.5	19.3
22:30:00	16 BD	00:30:00	37.2	16.4	19.7	19.5	19.3
23:00:00	16 BD	00:30:00	28.2	17	19.7	19.5	19.3

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
23:30:00	16 BD	00:30:00	35.9	17	19.7	19.5	19.3
01/12/2025							
00:00:00	16 BD	00:30:00	33.3	18.4	20.2	19.5	19.3
00:30:00	16 BD	00:30:00	30.4	17.4	19.7	19.5	19.3
01:00:00	16 BD	00:30:00	24.9	16	19.7	19.5	19.3
01:30:00	16 BD	00:30:00	24.6	16.9	19.7	19.5	19.3
02:00:00	16 BD	00:30:00	29.3	17.5	21	19.6	19.3
02:30:00	16 BD	00:30:00	24.7	15.9	19.7	19.5	19.3
03:00:00	16 BD	00:30:00	30.8	15.9	19.7	19.5	19.3
03:30:00	16 BD	00:30:00	23.5	15.8	19.7	19.5	19.3
04:00:00	16 BD	00:30:00	23.6	15.9	19.7	19.5	19.3
04:30:00	16 BD	00:30:00	35	18.8	21	19.6	19.3
05:00:00	16 BD	00:30:00	35.1	20.9	24.1	19.9	19.4
05:30:00	16 BD	00:30:00	25.6	17.2	19.7	19.5	19.3
06:00:00	16 BD	00:30:00	28.3	18.6	20.2	19.5	19.3
06:30:00	16 BD	00:30:00	34.5	18.4	21.3	19.6	19.3
07:00:00	16 BD	00:30:00	28.8	18.2	20.4	19.5	19.3
07:30:00	16 BD	00:30:00	50.7	24.3	23.4	19.6	19.3

Table B4 – Fully tabulated internal noise measurement results for Apt. 16 Bedroom

Apt. 4

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
05/12/2025							
15:00:00	4 LR	00:30:00	32.7	23	24.1	22.4	21.7
15:30:00	4 LR	00:30:00	40.7	25.3	27.6	24	22.5
16:00:00	4 LR	00:30:00	46.7	29.6	33.4	25.6	22.4
16:30:00	4 LR	00:30:00	44	25.2	27.4	23.3	22.1
17:00:00	4 LR	00:30:00	44.3	25.6	27.9	23.8	22.2
17:30:00	4 LR	00:30:00	42.5	26.8	29.6	24.9	22.7
18:00:00	4 LR	00:30:00	33.9	23.2	24.2	22.6	21.9
18:30:00	4 LR	00:30:00	33.2	23.1	24.3	22.5	21.7
19:00:00	4 LR	00:30:00	37	23.2	24.1	22.6	21.9
19:30:00	4 LR	00:30:00	32.3	22.7	23.5	22.3	21.7
20:00:00	4 LR	00:30:00	35	23.4	24.5	22.6	21.8
20:30:00	4 LR	00:30:00	33.7	22.6	23.6	22.1	21.5
21:00:00	4 LR	00:30:00	37.9	22.1	22.7	21.8	21.3
21:30:00	4 LR	00:30:00	29.8	21.8	22.5	21.5	21
22:00:00	4 LR	00:30:00	39.2	22.4	24	21.6	21.1
22:30:00	4 LR	00:30:00	30.2	24.2	25.7	23.8	22.3
23:00:00	4 LR	00:30:00	29.5	21.6	22.4	21.4	20.9
23:30:00	4 LR	00:30:00	31	21	21.5	20.9	20.5
06/12/2025							
00:00:00	4 LR	00:30:00	33.8	21.1	21.6	20.7	20.4
00:30:00	4 LR	00:30:00	28.5	21.2	21.9	20.8	20.4
01:00:00	4 LR	00:30:00	34.1	21.7	22.5	21.3	20.7
01:30:00	4 LR	00:30:00	26.8	20.6	20.9	20.4	20.2
02:00:00	4 LR	00:30:00	27	20.4	20.6	20.3	20.1
02:30:00	4 LR	00:30:00	23.3	20.3	20.5	20.3	20.1
03:00:00	4 LR	00:30:00	26.4	20.4	20.6	20.2	20.1

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
03:30:00	4 LR	00:30:00	28.3	20.4	20.6	20.2	20.1
04:00:00	4 LR	00:30:00	32.9	20.5	20.6	20.2	20
04:30:00	4 LR	00:30:00	23.4	20.3	20.5	20.2	20.1
05:00:00	4 LR	00:30:00	24.9	20.4	20.6	20.3	20.1
05:30:00	4 LR	00:30:00	26.5	20.5	20.9	20.3	20.1
06:00:00	4 LR	00:30:00	28.2	20.7	21.1	20.4	20.2
06:30:00	4 LR	00:30:00	44.9	21.3	21.7	20.6	20.2
07:00:00	4 LR	00:30:00	31.6	21.3	22	21.1	20.5
07:30:00	4 LR	00:30:00	34.3	23.9	26.7	22.3	21.3
08:00:00	4 LR	00:30:00	37.7	26.9	28.2	26.6	25.2
08:30:00	4 LR	00:30:00	32	23	26.5	21	20.5
09:00:00	4 LR	00:30:00	30.7	21.1	21.8	20.8	20.4
09:30:00	4 LR	00:30:00	35	21.5	22.3	21.1	20.5
10:00:00	4 LR	00:30:00	35.7	21.9	22.8	21.1	20.6
10:30:00	4 LR	00:30:00	38.5	22.1	23.1	21.5	20.8
11:00:00	4 LR	00:30:00	30	21.2	21.8	21	20.6
11:30:00	4 LR	00:30:00	36.4	21.6	22.1	21	20.6
12:00:00	4 LR	00:30:00	37.8	22.2	22.8	21.3	20.7
12:30:00	4 LR	00:30:00	33.4	22	23.1	21.3	20.8
13:00:00	4 LR	00:30:00	34.4	22	23.4	21.2	20.8
13:30:00	4 LR	00:30:00	34.9	21.8	22.4	21.2	20.7
14:00:00	4 LR	00:30:00	30.2	21.6	22.4	21.2	20.7
14:30:00	4 LR	00:30:00	32	21.7	22.3	21.2	20.8
15:00:00	4 LR	00:30:00	37.1	22.1	23	21.3	20.8
15:30:00	4 LR	00:30:00	41.9	22.1	22.2	21.1	20.7
16:00:00	4 LR	00:30:00	32.3	22.2	23	21.8	21.1
16:30:00	4 LR	00:30:00	34.2	21.7	22.1	21.2	20.8
17:00:00	4 LR	00:30:00	37.3	22.8	24	21.4	20.9
17:30:00	4 LR	00:30:00	33.3	22	23	21.4	20.9
18:00:00	4 LR	00:30:00	35.8	22.6	23.7	21.4	20.9
18:30:00	4 LR	00:30:00	44.5	21.9	22.5	21.3	20.9
19:00:00	4 LR	00:30:00	35.4	22.4	23.8	21.5	20.9
19:30:00	4 LR	00:30:00	35.7	21.6	22.1	21.3	20.8
20:00:00	4 LR	00:30:00	35.8	22.3	24.2	21.3	20.9
20:30:00	4 LR	00:30:00	37.7	24.1	25.6	23.6	22.2
21:00:00	4 LR	00:30:00	30.3	22.4	24.3	21.4	20.7
21:30:00	4 LR	00:30:00	33.1	21	21.3	20.8	20.4
22:00:00	4 LR	00:30:00	33	21.1	21.4	20.8	20.4
22:30:00	4 LR	00:30:00	38.6	21	21.4	20.8	20.4
23:00:00	4 LR	00:30:00	30.7	21	21.4	20.8	20.5
23:30:00	4 LR	00:30:00	27.5	20.9	21.2	20.7	20.4
07/12/2025							
00:00:00	4 LR	00:30:00	25.8	20.8	21.2	20.7	20.3
00:30:00	4 LR	00:30:00	27.6	20.7	21.2	20.5	20.2
01:00:00	4 LR	00:30:00	34.4	20.6	20.9	20.5	20.1
01:30:00	4 LR	00:30:00	27.9	20.4	20.7	20.3	20.1
02:00:00	4 LR	00:30:00	23.8	20.4	20.6	20.3	20.1
02:30:00	4 LR	00:30:00	32.6	20.5	20.7	20.3	20.1
03:00:00	4 LR	00:30:00	37.7	20.4	20.6	20.2	20

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
03:30:00	4 LR	00:30:00	25.4	20.3	20.5	20.2	20
04:00:00	4 LR	00:30:00	22.9	20.7	21.3	20.5	20
04:30:00	4 LR	00:30:00	32.6	22.4	24	21.4	21.1
05:00:00	4 LR	00:30:00	37.6	26.8	28.2	26.4	25
05:30:00	4 LR	00:30:00	31.7	24.7	27.6	24.2	20.1
06:00:00	4 LR	00:30:00	28.2	20.5	20.8	20.3	20.1
06:30:00	4 LR	00:30:00	29	20.6	21	20.4	20.2
07:00:00	4 LR	00:30:00	30.9	21	21.7	20.5	20.2
07:30:00	4 LR	00:30:00	29.9	21	21.8	20.6	20.2
08:00:00	4 LR	00:30:00	41.2	22.4	22.3	20.9	20.4
08:30:00	4 LR	00:30:00	27.4	21.4	22.1	21.2	20.8
09:00:00	4 LR	00:30:00	26.8	21.7	22.6	21.4	20.9
09:30:00	4 LR	00:30:00	30.2	21.7	22.5	21.3	20.8
10:00:00	4 LR	00:30:00	37.9	21.9	22.5	21.4	20.9
10:30:00	4 LR	00:30:00	33.3	21.7	22.4	21.4	20.9
11:00:00	4 LR	00:30:00	33.1	21.9	22.5	21.6	21.1
11:30:00	4 LR	00:30:00	35.7	22.8	23.2	21.8	21.2
12:00:00	4 LR	00:30:00	37.8	22.7	23.5	22	21.3
12:30:00	4 LR	00:30:00	37	23	23.7	22.2	21.5
13:00:00	4 LR	00:30:00	37.4	23.4	24.9	22.4	21.5
13:30:00	4 LR	00:30:00	35.8	22.8	23.8	22.2	21.5
14:00:00	4 LR	00:30:00	35.5	23.2	24.6	22.3	21.6
14:30:00	4 LR	00:30:00	35.8	22	22.7	21.6	21.1
15:00:00	4 LR	00:30:00	42.9	22.2	22.7	21.7	21.1
15:30:00	4 LR	00:30:00	40.3	23.3	25.2	21.7	21.2
16:00:00	4 LR	00:30:00	47.2	22.2	22.4	21.5	21.1
16:30:00	4 LR	00:30:00	45.3	24	25.6	22.7	21.3
17:00:00	4 LR	00:30:00	36.1	23.1	24.5	22.1	21.2
17:30:00	4 LR	00:30:00	33.4	22.4	23.6	22	21.1
18:00:00	4 LR	00:30:00	31.4	22.2	23.1	21.7	21.1
18:30:00	4 LR	00:30:00	31.3	23.6	25.8	22.8	21.2
19:00:00	4 LR	00:30:00	36.4	25.1	26.8	24.5	22.8
19:30:00	4 LR	00:30:00	35.5	23.4	25.5	22.7	20.9
20:00:00	4 LR	00:30:00	43.5	22.4	23.8	21	20.6
20:30:00	4 LR	00:30:00	32.2	20.9	21.4	20.7	20.4
21:00:00	4 LR	00:30:00	31	20.8	21.1	20.6	20.3
21:30:00	4 LR	00:30:00	30.1	20.7	21.1	20.5	20.2
22:00:00	4 LR	00:30:00	26.4	20.6	20.9	20.5	20.2
22:30:00	4 LR	00:30:00	27.4	20.7	21	20.5	20.2
23:00:00	4 LR	00:30:00	33.5	20.6	20.9	20.5	20.2
23:30:00	4 LR	00:30:00	35.3	20.8	21.2	20.5	20.2
08/12/2025							
00:00:00	4 LR	00:30:00	27.9	20.5	20.8	20.3	20.1
00:30:00	4 LR	00:30:00	32.1	20.4	20.6	20.2	20
01:00:00	4 LR	00:30:00	25.5	20.6	21.2	20.4	20.1
01:30:00	4 LR	00:30:00	31.6	21.6	22.1	21.3	21.1
02:00:00	4 LR	00:30:00	32.7	26.4	27.9	26.1	24.4
02:30:00	4 LR	00:30:00	39.4	25.2	27.7	25.3	20.1
03:00:00	4 LR	00:30:00	40.8	20.3	20.4	20.2	20

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
03:30:00	4 LR	00:30:00	25.4	20.2	20.3	20.1	20
04:00:00	4 LR	00:30:00	25.2	20.2	20.4	20.2	20
04:30:00	4 LR	00:30:00	30.2	20.6	21	20.3	20.1
05:00:00	4 LR	00:30:00	26.7	20.5	20.7	20.4	20.2
05:30:00	4 LR	00:30:00	24.7	20.9	21.3	20.7	20.4
06:00:00	4 LR	00:30:00	37.7	21.3	21.9	20.9	20.5
06:30:00	4 LR	00:30:00	34.5	21.7	22.2	21.2	20.8
07:00:00	4 LR	00:30:00	64.1	29	24.1	21.7	21.1
07:30:00	4 LR	00:30:00	44.9	24.5	25.9	22.3	21.3

Table B5 – Fully tabulated internal noise measurement results for Apt. 4 Living Room

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
05/12/2025							
15:45:00	4 BD	00:30:00	33.8	20.9	22.9	20	19.4
16:15:00	4 BD	00:30:00	50.3	28.6	31.8	24.5	20.5
16:45:00	4 BD	00:30:00	43.6	26.9	29.6	23.2	20.6
17:15:00	4 BD	00:30:00	43.2	23.8	25.7	21.9	19.7
17:45:00	4 BD	00:30:00	53.7	26.4	28.2	22.9	20.5
18:15:00	4 BD	00:30:00	42.1	24.4	26.7	21.8	19.5
18:45:00	4 BD	00:30:00	36.7	21.5	23.2	20.2	19.4
19:15:00	4 BD	00:30:00	37.4	20.9	22.6	19.9	19.4
19:45:00	4 BD	00:30:00	39	20.9	22.5	19.8	19.4
20:15:00	4 BD	00:30:00	39.3	21.3	22.6	19.8	19.4
20:45:00	4 BD	00:30:00	38.1	21.3	23.4	20.1	19.4
21:15:00	4 BD	00:30:00	34	19.2	20.6	19.6	19.3
21:45:00	4 BD	00:30:00	34.7	19	20.5	19.5	19.3
22:15:00	4 BD	00:30:00	33.4	18.6	20.1	19.5	19.3
22:45:00	4 BD	00:30:00	35.2	19.3	20.9	19.6	19.3
23:15:00	4 BD	00:30:00	30.3	18.1	19.7	19.5	19.3
23:45:00	4 BD	00:30:00	30.6	16.8	19.7	19.5	19.3
06/12/2025							
00:15:00	4 BD	00:30:00	36.2	16.5	19.7	19.5	19.3
00:45:00	4 BD	00:30:00	27.8	16.1	19.7	19.5	19.3
01:15:00	4 BD	00:30:00	30.1	16.1	19.7	19.5	19.3
01:45:00	4 BD	00:30:00	28.3	16.1	19.7	19.5	19.3
02:15:00	4 BD	00:30:00	24.1	16	19.7	19.5	19.3
02:45:00	4 BD	00:30:00	24.9	15.9	19.7	19.5	19.3
03:15:00	4 BD	00:30:00	31	16	19.7	19.5	19.3
03:45:00	4 BD	00:30:00	22.2	15.9	19.7	19.5	19.3
04:15:00	4 BD	00:30:00	24.1	15.9	19.7	19.5	19.3
04:45:00	4 BD	00:30:00	26	15.9	19.7	19.5	19.3
05:15:00	4 BD	00:30:00	30.1	15.9	19.7	19.5	19.3
05:45:00	4 BD	00:30:00	29.6	16	19.7	19.5	19.3
06:15:00	4 BD	00:30:00	30.2	16	19.7	19.5	19.3
06:45:00	4 BD	00:30:00	38.1	16.9	19.7	19.5	19.3
07:15:00	4 BD	00:30:00	31.8	16.1	19.7	19.5	19.3
07:45:00	4 BD	00:30:00	33.2	18.1	19.7	19.5	19.3
08:15:00	4 BD	00:30:00	38.4	20.6	22	19.8	19.4
08:45:00	4 BD	00:30:00	34.4	20	21.9	19.9	19.4

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
09:15:00	4 BD	00:30:00	37.9	17.2	19.7	19.5	19.3
09:45:00	4 BD	00:30:00	36.6	17.2	19.7	19.5	19.3
10:15:00	4 BD	00:30:00	43.1	19.1	20.6	19.5	19.3
10:45:00	4 BD	00:30:00	44.4	19.6	20.1	19.5	19.3
11:15:00	4 BD	00:30:00	32.6	18.9	20.7	19.6	19.3
11:45:00	4 BD	00:30:00	34.6	17.2	19.7	19.5	19.3
12:15:00	4 BD	00:30:00	34.6	18.4	19.9	19.5	19.3
12:45:00	4 BD	00:30:00	33.1	18.5	20.2	19.5	19.3
13:15:00	4 BD	00:30:00	36.5	20	22.7	19.6	19.3
13:45:00	4 BD	00:30:00	38.2	20	22	19.6	19.3
14:15:00	4 BD	00:30:00	38	19	20	19.5	19.3
14:45:00	4 BD	00:30:00	36	19.4	21.1	19.6	19.3
15:15:00	4 BD	00:30:00	37.5	20.6	22.5	19.6	19.3
15:45:00	4 BD	00:30:00	42.8	19.4	19.7	19.5	19.3
16:15:00	4 BD	00:30:00	33.7	18.7	20.6	19.5	19.3
16:45:00	4 BD	00:30:00	33.5	19.2	21	19.6	19.3
17:15:00	4 BD	00:30:00	33.9	20.1	22.6	19.6	19.3
17:45:00	4 BD	00:30:00	36.4	20.4	21.5	19.6	19.3
18:15:00	4 BD	00:30:00	35.2	18.3	19.7	19.5	19.3
18:45:00	4 BD	00:30:00	36.9	20.8	22.5	19.6	19.3
19:15:00	4 BD	00:30:00	34.1	18.6	19.9	19.5	19.3
19:45:00	4 BD	00:30:00	42.7	20.6	22	19.6	19.3
20:15:00	4 BD	00:30:00	31.5	17.8	19.7	19.5	19.3
20:45:00	4 BD	00:30:00	38.5	19.2	21.3	19.6	19.3
21:15:00	4 BD	00:30:00	32.5	18.8	19.9	19.5	19.3
21:45:00	4 BD	00:30:00	32.4	16.5	19.7	19.5	19.3
22:15:00	4 BD	00:30:00	35.6	16.8	19.7	19.5	19.3
22:45:00	4 BD	00:30:00	31.7	16.4	19.7	19.5	19.3
23:15:00	4 BD	00:30:00	30.6	16.1	19.7	19.5	19.3
23:45:00	4 BD	00:30:00	29.2	16.1	19.7	19.5	19.3
07/12/2025							
00:15:00	4 BD	00:30:00	26	16.1	19.7	19.5	19.3
00:45:00	4 BD	00:30:00	33.3	16	19.7	19.5	19.3
01:15:00	4 BD	00:30:00	22.8	15.9	19.7	19.5	19.3
01:45:00	4 BD	00:30:00	49	16.1	19.7	19.5	19.3
02:15:00	4 BD	00:30:00	19.3	15.9	19.7	19.5	19.3
02:45:00	4 BD	00:30:00	32.8	16	19.7	19.5	19.3
03:15:00	4 BD	00:30:00	28.5	15.9	19.7	19.5	19.3
03:45:00	4 BD	00:30:00	19.3	15.9	19.7	19.5	19.3
04:15:00	4 BD	00:30:00	17.6	15.9	19.7	19.5	19.3
04:45:00	4 BD	00:30:00	20.7	16.1	19.7	19.5	19.3
05:15:00	4 BD	00:30:00	29.2	18.6	20.6	19.6	19.3
05:45:00	4 BD	00:30:00	24.9	19.8	21.2	19.7	19.3
06:15:00	4 BD	00:30:00	32	16	19.7	19.5	19.3
06:45:00	4 BD	00:30:00	33.7	16	19.7	19.5	19.3
07:15:00	4 BD	00:30:00	36	16.1	19.7	19.5	19.3
07:45:00	4 BD	00:30:00	33.7	16.1	19.7	19.5	19.3
08:15:00	4 BD	00:30:00	36.2	18.7	20	19.5	19.3
08:45:00	4 BD	00:30:00	43.8	19	19.7	19.5	19.3

Start	Apt.	Time	L_{Amax}	L_{Aeq}	L_{A10}	L_{A50}	L_{A90}
09:15:00	4 BD	00:30:00	30.4	18.1	20.1	19.5	19.3
09:45:00	4 BD	00:30:00	31.6	17.5	19.7	19.5	19.3
10:15:00	4 BD	00:30:00	35.4	18.7	20.9	19.5	19.3
10:45:00	4 BD	00:30:00	35.3	18.5	20	19.5	19.3
11:15:00	4 BD	00:30:00	36	19.4	20.5	19.5	19.3
11:45:00	4 BD	00:30:00	41.6	21.1	21.2	19.6	19.3
12:15:00	4 BD	00:30:00	33.5	20.4	22	19.7	19.3
12:45:00	4 BD	00:30:00	33.4	20.5	21.9	19.7	19.3
13:15:00	4 BD	00:30:00	34.5	21.4	23.4	19.8	19.4
13:45:00	4 BD	00:30:00	32.4	20.2	21.5	19.6	19.3
14:15:00	4 BD	00:30:00	34.5	21.4	23.4	20	19.4
14:45:00	4 BD	00:30:00	33.4	20.8	22.7	19.7	19.3
15:15:00	4 BD	00:30:00	34.9	19.9	22	19.6	19.3
15:45:00	4 BD	00:30:00	46.7	20.7	21.6	19.6	19.3
16:15:00	4 BD	00:30:00	35.7	19.6	20.6	19.5	19.3
16:45:00	4 BD	00:30:00	51.2	22.5	24.5	19.7	19.3
17:15:00	4 BD	00:30:00	37	23.4	26.3	21.1	19.4
17:45:00	4 BD	00:30:00	34.3	20.8	23.2	19.7	19.3
18:15:00	4 BD	00:30:00	33.8	20.9	23.6	19.7	19.3
18:45:00	4 BD	00:30:00	34.1	19.2	21.2	19.6	19.3
19:15:00	4 BD	00:30:00	38	20	21.6	19.6	19.3
19:45:00	4 BD	00:30:00	45.1	21.2	23.2	19.9	19.4
20:15:00	4 BD	00:30:00	48.8	22.1	24.6	19.7	19.3
20:45:00	4 BD	00:30:00	35.7	16.1	19.7	19.5	19.3
21:15:00	4 BD	00:30:00	29.1	16	19.7	19.5	19.3
21:45:00	4 BD	00:30:00	29	16	19.7	19.5	19.3
22:15:00	4 BD	00:30:00	44.4	16	19.7	19.5	19.3
22:45:00	4 BD	00:30:00	26.6	16	19.7	19.5	19.3
23:15:00	4 BD	00:30:00	48	16.1	19.7	19.5	19.3
23:45:00	4 BD	00:30:00	31.8	16	19.7	19.5	19.3
08/12/2025							
00:15:00	4 BD	00:30:00	30.2	16	19.7	19.5	19.3
00:45:00	4 BD	00:30:00	32.8	15.9	19.7	19.5	19.3
01:15:00	4 BD	00:30:00	28.9	15.9	19.7	19.5	19.3
01:45:00	4 BD	00:30:00	32.1	16.1	19.7	19.5	19.3
02:15:00	4 BD	00:30:00	26.8	18.1	19.9	19.5	19.3
02:45:00	4 BD	00:30:00	30.3	19.6	21	19.6	19.3
03:15:00	4 BD	00:30:00	23.5	16	19.7	19.5	19.3
03:45:00	4 BD	00:30:00	27.9	15.9	19.7	19.5	19.3
04:15:00	4 BD	00:30:00	26.5	15.9	19.7	19.5	19.3
04:45:00	4 BD	00:30:00	22.4	15.9	19.7	19.5	19.3
05:15:00	4 BD	00:30:00	25	16	19.7	19.5	19.3
05:45:00	4 BD	00:30:00	29.1	16.1	19.7	19.5	19.3
06:15:00	4 BD	00:30:00	26.8	16.8	19.7	19.5	19.3
06:45:00	4 BD	00:30:00	31.3	17.6	19.7	19.5	19.3
07:15:00	4 BD	00:30:00	66.5	30.3	20.6	19.5	19.3
07:45:00	4 BD	00:30:00	47.5	24.4	26.2	19.7	19.3

Table B6 – Fully tabulated internal noise measurement results for Apt. 4 Bedroom

Appendix C – Graphical Representation of Noise Data

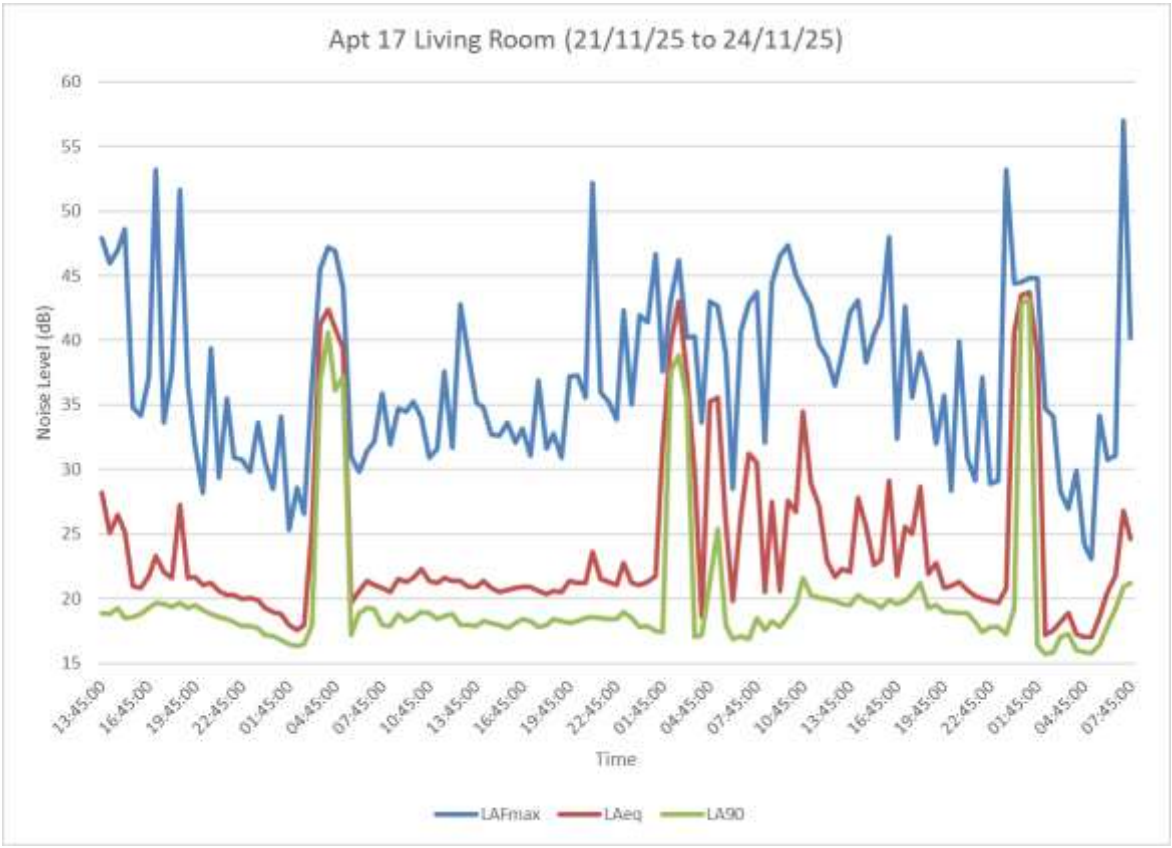


Table C1 – Apt. 17 Living Room graphical representation

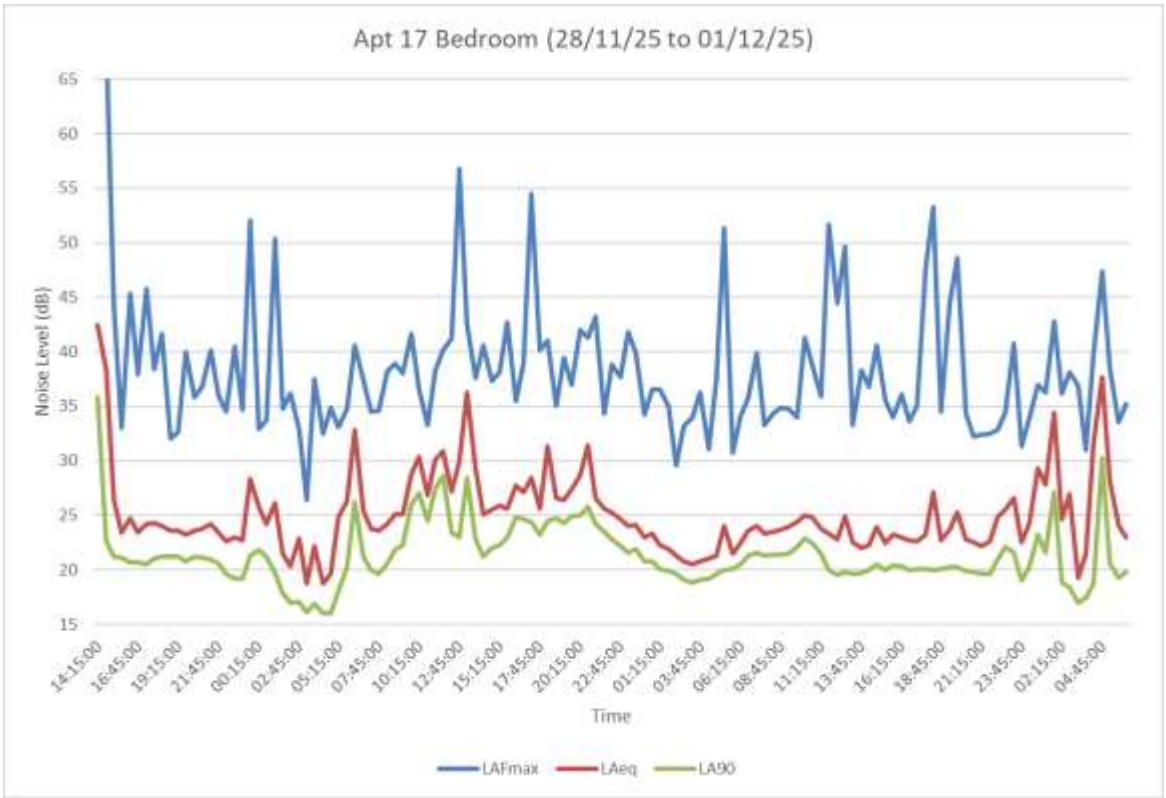


Table C2 – Apt. 17 Bedroom graphical representation

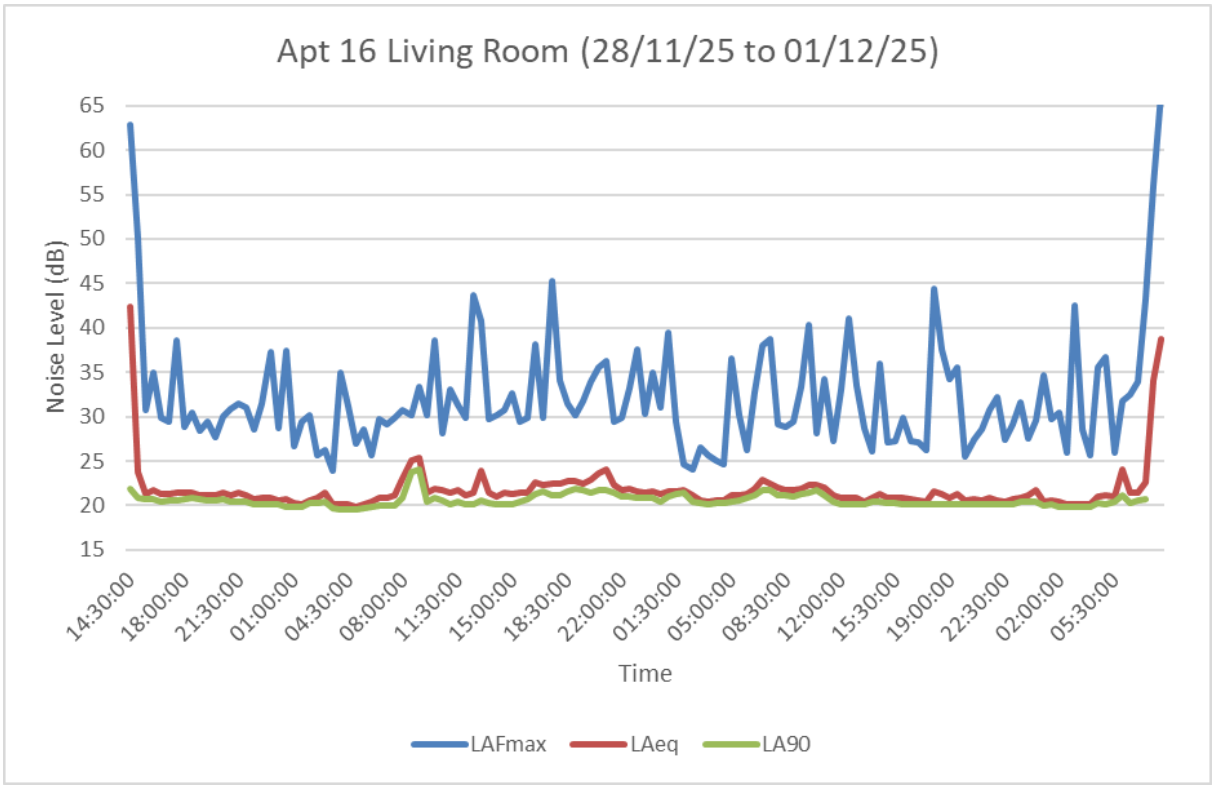


Table C3 – Apt. 16 Living Room graphical representation

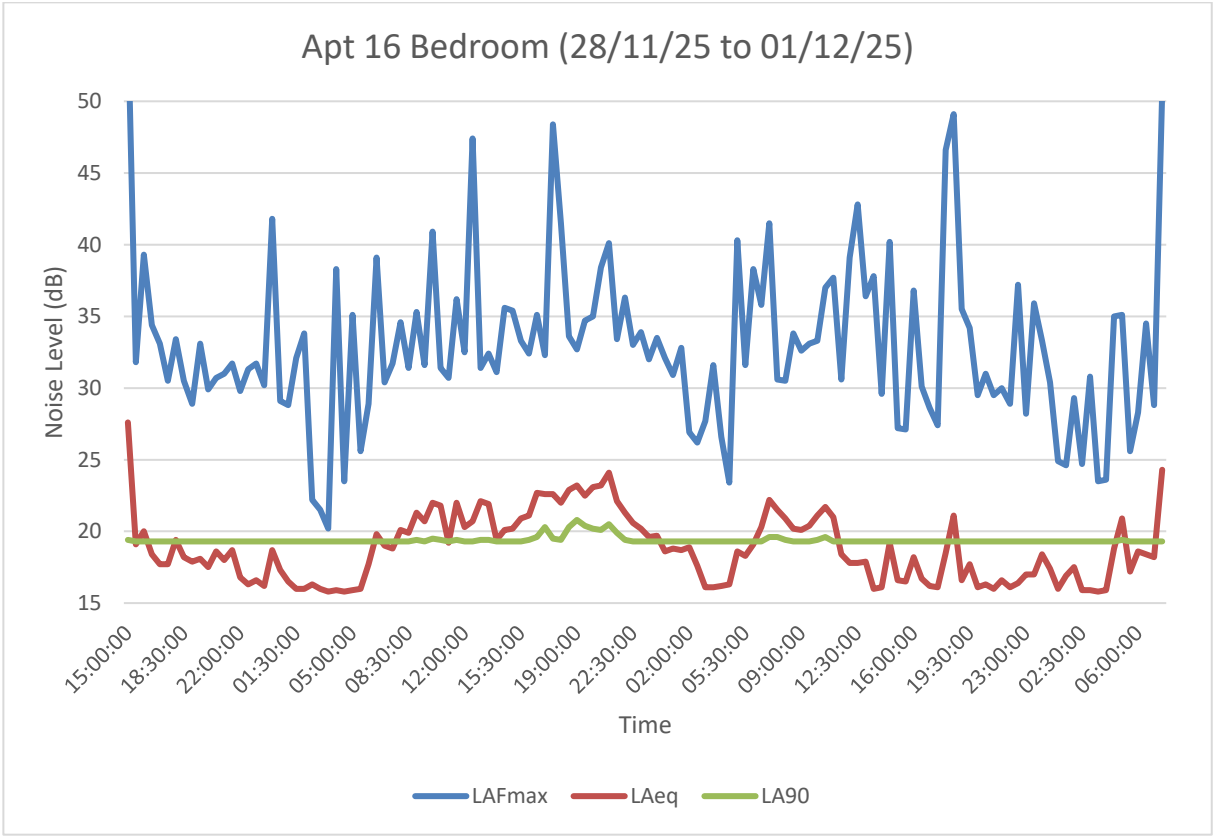


Table C4 – Apt. 16 Bedroom graphical representation

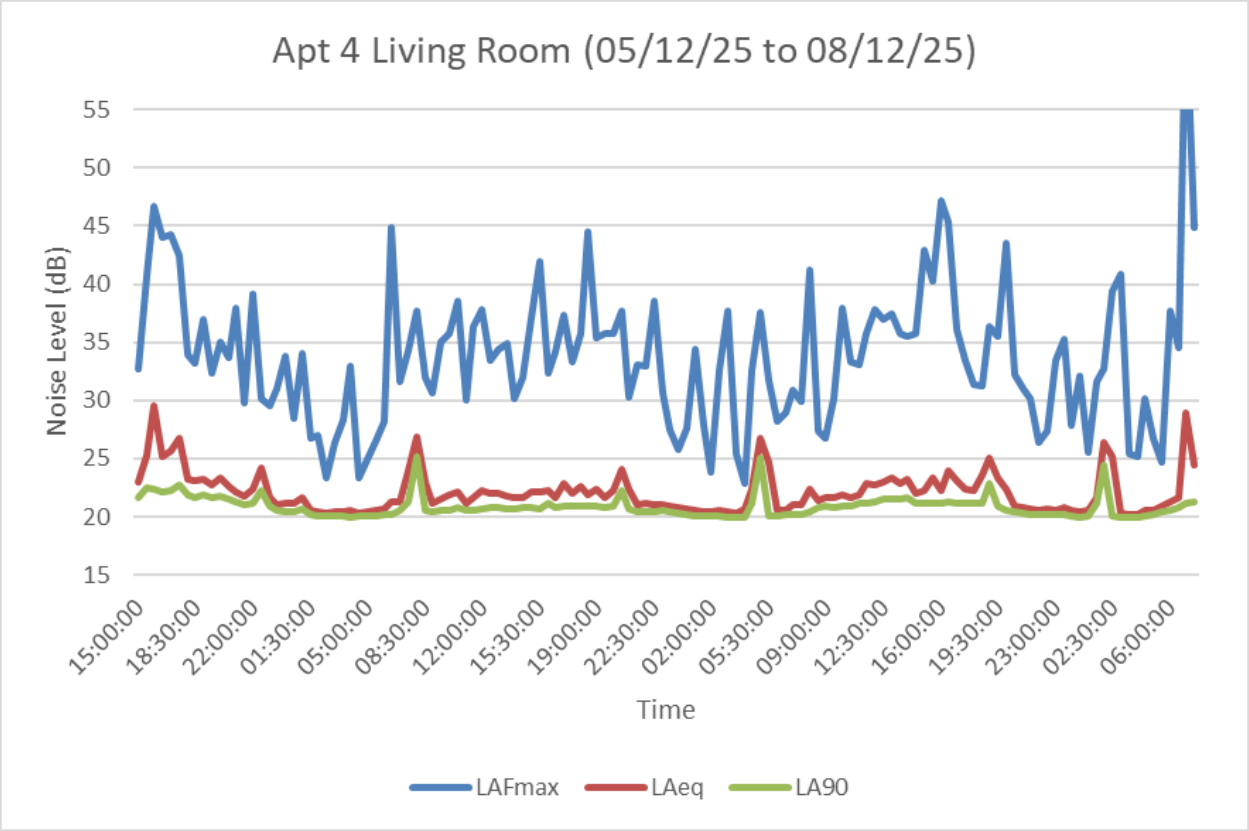


Table C5 – Apt. 4 Living Room graphical representation

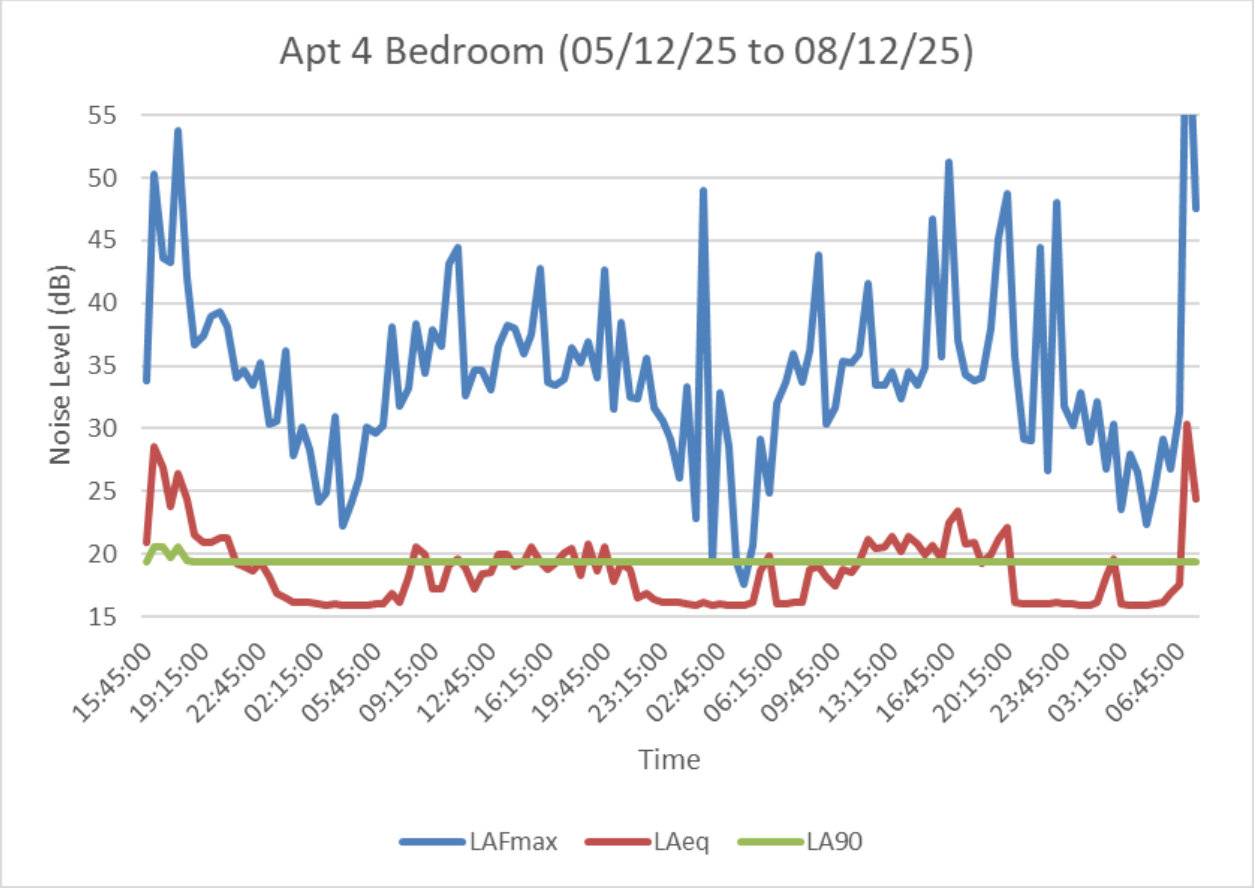


Table C6 – Apt. 4 Bedroom graphical representation