Able Acoustics

ANARA PROPERTY LTD

299 BRIGHTON ROAD, WORTHING

ACOUSTIC ASSESSMENT

JANUARY 2025

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P1630/01	***January 2025***	***Position***	***Signature***
Prepared By:	*Edward Crofton-Martin*	*Principal Acoustic Consultant*	
Checked By:	*Edward Crofton-Martin*	*Principal Acoustic Consultant*	
Approved By:	*Edward Crofton-Martin*	*Principal Acoustic Consultant*	

Able Acoustics Limited
Kent House
81 Station Road
Ashford
Kent
TN23 1PP
England
www.ableacoustics.com
info@ableacoustics.com

CONTENTS

1. INTRODUCTION 1
1.1 Introduction 1
2. NOISE UNITS AND STANDARDS 2
2.1 General 2
2.2 Local Authority Consultation 3
2.3 Standards and Guidance 3
2.4 Informative 7
3. SITE LAYOUT 8
3.1 Overview 8
4. MEASUREMENTS 9
4.1 General 9
4.2 Unattended Measurements 9
5. ASSESSMENT 11
5.1 General 11
5.2 Glazing and Ventilation Requirements 11
6. CONCLUSIONS 14
6.1 Summary 14
6.2 Informative 14
7. REFERENCES 15
FIGURES
APPENDIX A – Calibration Certificates
APPENDIX B – Results of Unattended Monitoring
APPENDIX C – Product Brochures for Acoustically Screened Ventilation Systems

1. INTRODUCTION

1.1 Introduction

1.1.1 Permission is sought for the following (retrospective) proposal at the above site:

"Conversion of a semi-detached house into two self-contained flats"

1.1.2 The local planning authority has raised concern over the potential for noise and Anara Property Ltd has instructed Able Acoustics Ltd to carry out an assessment to inform the application.

1.1.3 This report presents the results of the assessment and suitable suggestions for mitigation where applicable.

2. NOISE UNITS AND STANDARDS

2.1 General

2.1.1 The range of audible sound is from 0 dB to 140 dB and a range of typical levels is presented in Table 2.1 below. Noise is a subjective term and can be defined as unwanted sound.

Table 2.1 Typical Sound Levels

Sound Pressure Level dB(A)	Source	Subjective Level
130 - 140	Jet (at 10m)	Threshold of pain
120 – 130	Pneumatic Drill (at 1m)	Extremely Loud
110 – 120	Loud Car Horn (at 1m)	Very Loud
100 – 110	Alarm Bell (at 1m)	Very Loud
80 – 90	Inside General Factory	Loud
70 – 80	Average Traffic (on street corner)	Loud
60 – 70	Conversational Speech	Moderate
50 – 60	Typical Business Offices	Moderate
40 – 50	Living-room Urban Area	Quiet
30 – 40	Library	Quiet
20 – 30	Bedroom (at night)	Very Quiet
10 - 20	Broadcasting Studio	Very Quiet

2.1.2 For variable sound sources a difference of 3 dB(A) is just distinguishable. For road traffic or railway sound sources, a doubling of traffic flow will increase the overall noise by 3 dB(A). The "loudness" of a sound is a purely subjective parameter, but it is generally accepted that an increase/decrease of 10 dB(A) corresponds to a doubling/halving in perceived loudness.

2.1.3 The frequency response of the ear is usually taken to be about 20 Hz (number of oscillations per second) to 20 kHz. The ear does not respond equally to different frequencies at the same level. It is more sensitive in the mid-frequency range than the lower and higher frequencies and because of this, the low and high frequency components of a sound are reduced in importance by applying a weighting (filtering) circuit to the measuring instrument. The weighting which is most widely used and which correlates best with subjective response to sound is the dB(A) weighting. This is an internationally accepted standard for environmental sound measurements.

2.1.4 External sound levels are rarely steady, but vary according to activity in an area at any given time. In an attempt to produce a figure that relates variable sound level to subjective response, a number of indices have been developed. These include:

i) *$L_{Aeq,T}$ Sound Level*

This is the "equivalent continuous A-weighted sound pressure level, in decibels", and is defined in British Standard BS 7445 [1] as the "value of the A-weighted sound pressure level of a continuous, steady sound that, within a specified time interval, T, has the same mean square sound pressure as a sound under consideration whose level varies with time".

It is a unit commonly used to describe sound attributable to construction and sound from industrial premises and is the most suitable unit for the description of other forms of environmental sound. In simpler terms, it is a measure of energy within the varying sound.

ii) *The L_{Amax} level*

This is the maximum level recorded over the measurement period.

2.2 Local Authority Consultation

2.2.1 The local planning authority Adur & Worthing Council (AWC) has raised concern in respect of noise as part of the planning consultation process [2] stating:

"I have no objections in principle.

Traffic noise in this locality is relatively high, however, I note the property is set back a good 20m from the road and the noise sensitive bedrooms are at the rear of the house. Looking at the DEFRA road noise data, the front facade will receive up to 65dBL(A)eq during the day. Therefore they will need a glazing specification of RW + Ctr of 30dB. Standard double glazing will not be sufficient. As windows will need to remain closed at the front to achieve the BS8233 internal noise criteria for daytime. They will need a ventilation strategy. As the rooms facing the road are South facing and will get warm during the summer months and will be at risk of overheating if windows need to remain closed, therefore I would recommend system 3 continuous extract ventilation in the kitchen and with acoustic trickle ventilation fitted into the windows, but this will need to be checked by their ventilation engineer. Greenwoods acoustic trickle vents will meet the acoustic requirements at the front of the property. The rear of the property can be naturally ventilated.

I am happy for the applicant to appoint a suitable qualified acoustician to assess the noise and provide their own acoustic scheme if that is their choice."

2.3 Standards and Guidance

2.3.1 Guidance on internal sound levels is provided in Table 4 of British Standard (BS) 8233 [3]. With regard to residential accommodation, the following guidance is given:

Table 2.2: Indoor Ambient Noise Levels In Spaces When They Are Unoccupied

Activity	Location	07:00 to 23:00	23:00 to 07:00
Resting	Living room	35 dB $L_{Aeq, 16hour}$	-
Dining	Dining room/area	40 dB $L_{Aeq, 16hour}$	-
Sleeping (daytime resting)	Bedroom	35 dB $L_{Aeq, 16hour}$	30 dB $L_{Aeq, 8hour}$

2.3.2 The levels shown in Table 4 of BS 8233 are based on the existing guidelines issued by the World Health Organisation (WHO) and assume normal diurnal fluctuations in external noise.

2.3.3 The World Health Organisation has produced guidance on noise limits which should prevent the onset of sleep disturbance [4]. The WHO guidelines state:

"When noise is continuous, the equivalent sound pressure level should not exceed 30 dB(A) indoors, if negative effects on sleep are to be avoided…..Indoor guideline values for bedrooms are 30 dB LAeq for continuous noise and 45 dB LAmax for single sound

events."

2.3.4 The guidance given by the WHO therefore is consistent with internal noise levels as specified by BS 8233 at night and it is recommended, that internal noise levels within the proposed residential accommodation should not exceed 30 dB $L_{Aeq,\ 8hr}$ and 45 dB $L_{Amax,\ F}$ at night. During the daytime, noise levels within living rooms and bedrooms should not exceed 35 dB $L_{Aeq,\ 16hr.}$ However it should be noted that BS 8233:2014 also provides the following informative note:

"Where development is considered necessary or desirable, despite external noise levels above WHO guidelines, the internal target levels may be relaxed by up to 5 dB and reasonable internal conditions still achieved."

2.3.5 The internal noise level within a dwelling is dependent on the noise level arriving at the external facade of the dwelling, the sound insulation properties of the dwelling (wall and window construction) and the size and furnishings in the rooms. The prediction of internal levels is therefore a complex process, dependent upon many factors.

2.3.6 In the absence of specific guidance on L_{Amax} levels during the night in BS 8233:2014 supplementary guidance on night time L_{AMax} events is given in the ANC[1], IOA[2] and CIEH[3] joint issue document: Professional Practice Guidance on Planning & Noise (ProPG) [5] which is aimed at new residential development. The guidance recommends that in most circumstances in noise sensitive rooms at night (e.g. bedrooms) good acoustic design can be used to ensure that individual noise events do not normally exceed 45dB $L_{Amax,F}$ more than 10 times a night. However, where it is not reasonably practicable to achieve this guideline then the judgement of acceptability will depend not only on the maximum noise levels but also on factors such as the source, number, distribution, predictability and regularity of noise events. It is further noted that Appendix A of the ProPG guidance notes that physiological awakenings (as distinct from behavioural awakenings) of which the individual may neither be aware at the time nor recall the next day, may occur where events of 55dB L_{AMax} were present.

2.3.7 The Association of Nosie Consultants and Institute of Acoustics joint publication: Acoustics Ventilation and Overheating, Residential Design Guide (AVO Guide) aims to reconcile potentially competing demands of sound insulation and ventilation [6].

2.3.8 The AVO Guide assumes the acoustician is appointed at the design stage[4] and provides advice on addressing how:

- The ventilation strategy impacts on the acoustic conditions.
- The strategy for mitigating overheating impacts on the acoustic conditions, and whether a more detailed overheating assessment is required to inform this.

2.3.9 Appendix B of the document provides specific guidance to:

[1] Association of Noise Consultants

[2] Institute of Acoustics

[3] Chartered Institute of Environmental Health

[4] It is not the role of the acoustic practitioner to advise on the strategy for mitigating overheating. However, where relevant, the acoustic practitioner is encouraged to communicate to the design team and developer any acoustic benefit of reducing heat gains or increasing thermal mass.

- Help acousticians prepare suitable advice for developers and their design teams so that informed decisions can then be made on how best to progress designs.

- Assist local planning authorities to seek evidence of appropriate design details and of post-completion verification, to comply with suitably worded planning conditions.

- Enable a consistent and practical approach to considering noise impact under different ventilation and overheating conditions.

- Outline where there is evidence for risks of adverse noise effects and the need for balanced consideration with other aspects of indoor environmental quality when developing the design of new homes.

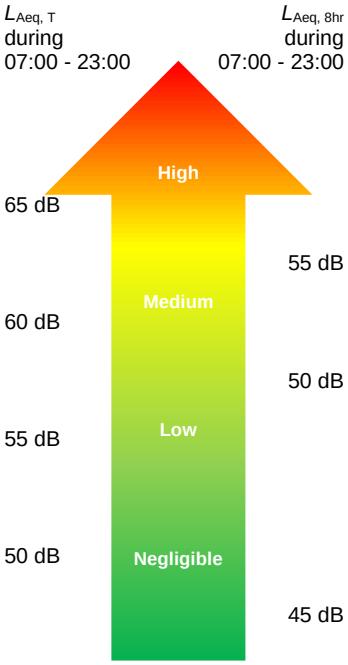
2.3.10 The AVO Guide provides a two-step approach based on external levels. Table B.8 reproduced below outlines the metrics to be used.

Table 2.3 Design Level Metrics

External Free-field Noise Levels	Description
Daytime $_{LAeq,16h,}$ dB	Daytime value 07:00 – 23:00
Night-time $_{LAeq,8h,}$ dB	Night time value 23:00 – 07:00
Ventilation design case Night-time $_{LAFmax,}$ dB	This is the Night time level that is not normally exceeded more than 10 times per night
Overheating design case Night-time $_{LAFmax,}$dB	This is the Night-time $_{LAFmax,}$ level that is not normally exceeded. (highest typical level)

2.3.11 Table 3.2 of the AVO Guide (reproduced below) provides guidance for a site risk assessment of noise from transport noise sources relating to overheating. However, the values are not fixed thresholds and assume where 78dB L_{AFmax} is normally exceeded during the night a level 2 assessment is recommended.

Table 2.4 Guidance for Level 1 site risk assessment of noise from transport noise sources relating to overheating condition

Risk category for Level 1 assessment	Potential Effect without Mitigation	Recommendation for Level 2 assessment
	Increasing risk of adverse effect	Recommended Optional
	Use of opening windows as primary means of mitigating overheating is not likely to result in adverse effect	Not required

2.3.12 Where a level 2 assessment is required the AVO Guide provides the following guidance in the table below.

Table 2.5 Guidance for Level 2 site risk assessment of noise from transport noise sources relating to overheating condition

Internal Ambient Noise Level			Examples of Outcomes	
$L_{Aeq,T}$ during 07:00-23:00	$L_{Aeq,8hr}$ during 23:00-07:00	Individual noise events during 23:00–07:00		
>50dB	>42dB	Normally exceeds 65 dB $L_{AF,max}$	Noise causes a material change in behaviour e.g. having to keep windows closed most of the time	Avoiding certain activities during periods of intrusion. Having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area.
			Increasing likelihood of impact on reliable speech communication during the day or sleep disturbance at night	At higher noise levels, more significant behavioural change is expected and may only be considered suitable if occurring for limited periods. As noise levels increase, small behaviour changes are expected e.g. turning up the volume on the television; speaking a little more loudly; having to close windows for certain activities, for example ones which require a high level of concentration. Potential for some reported sleep disturbance. Affects the acoustic environment inside the dwelling such that there is a perceived change in quality of life. At lower noise levels, limited behavioural change is expected unless conditions are prevalent for most of the time.
≤ 35 dB	≤ 30 dB	Do not normally exceed $L_{AF,max}$ 45 dB more than 10 times a night	Noise can be heard, but does not cause any change in behaviour	Noise can be heard, but does not cause any change in behaviour, attitude, or other physiological response. Can slightly affect the acoustic character of the area but not such that there is a perceived change in the quality of life.

2.4 Informative

2.4.1 Approved Document O (ADO) of the Building Regulations [7] refers to overheating and directs the overheating mitigation strategy should take account of the likelihood that windows will be closed during sleeping hours (23:00 – 07:00) and provides target thresholds above which an overheating assessment will be required as follows:

"Windows are likely to be closed during sleeping hours if noise within bedrooms exceeds the following limits.

a. 40dB $L_{Aeq,T}$, averaged over 8 hours (between 11pm and 7am).

b. 55dB L_{AFmax}, more than 10 times a night (between 11pm and 7am)."

3. SITE LAYOUT

3.1 Overview

3.1.1 The application site is located at: 299 Brighton Road, Worthing, West Sussex, BN11 2HL and is shown on Figure 01.[5]

3.1.2 The site is located on the north side of Brighton Road (A259), and is bounded by residential premises located on Thalassa Road to the north, residential premises located at 301 Brighton Road to the east, Brighton Road (A259) to the south and residential premises located at 297 to the west.

3.1.3 Further from the site to the south is the sea which was observed to break onto a shingle/pebble beach.

3.1.4 The habitable rooms facing the A259 are kitchen/dining areas, not bedrooms or sole designation living rooms. Bedrooms are located on the rear façade and flank façade.

3.1.5 The proposed layout plans are shown in Figure 02.

3.1.6 The acoustic performance of the glazing and ventilation is not known.

[5] For completeness it has been noted the application is for a development that has not been started, however at the time of the site visit it was observed that the development was substantially complete.

4. MEASUREMENTS

4.1 General

4.1.2 To establish the levels at site a series of unattended measurements have been made.

4.2 Unattended Measurements

4.2.1 Unattended measurements were undertaken at two locations from 14:30 hours on Tuesday 14th January until 12:30 hours on Friday 17th January 2025.

4.2.2 The first microphone was mounted on a tripod in the centre of the 1st floor flat at a height of 1.5m and positioned in front of the French window set/sliding glazed door set.

4.2.3 The second microphone was positioned on the balcony at 1m from the façade at 1st floor level with a direct line of sight to the road.

4.2.4 The following instrumentation was used for the unattended measurements:

- Rion type NL-52 Sound Level Meter (Serial No. 00710388)
- Rion type NH-25 Pre-amplifier (Serial No. 10931)
- Rion type UC-59 Microphone (Serial No. 19664)

- Rion type NL-53 Sound Level Meter (Serial No. 00741271)
- Rion type NH-25 Pre-amplifier (Serial No. 34226)
- Rion type UC-59 Microphone (Serial No. 25857)

- Rion type NC-75 Sound Level Calibrator (Serial No 2263404)

All equipment was within current periods of calibration and calibration certificates are provided in Appendix A.

4.2.5 The meter was set to record the following metrics automatically over 15 minute periods:

- L_{eq}
- L_{max}

The meter was additionally set to record the above metrics in 1/3 Octave centre frequency bands. Additionally the units were set to automatically record audio whenever a preset threshold level was exceeded.

4.2.6 The frequency response of the meter was set to “A” and the time response was set to “Fast”.

4.2.7 At the start of the unattended measurement survey the meteorological conditions were noted to be dry, 2° Celsius with 100% blanket cloud cover and wind of up to 0.3m/s^{-1} from the southwest. Upon retrieval of the equipment the meteorological conditions were noted to be dry, with temperatures of 8° Celsius, 100% blanket cloud cover with of up to 0.3m/s^{-1} from the south.

4.2.8 The trickle vents were set to open and the French window set/sliding glazed door set was closed and locked. The primary source of sound ingress was subjectively considered to be from the seals of the sliding doors.

4.2.9 At the start and end of the unattended measurements the internal acoustic environment was subjectively noted to be low and primarily attributable to road traffic sound.

4.2.10 At the start and end of the unattended measurements the external acoustic environment was subjectively noted to be low and primarily attributable to road traffic sound, birdsong, pedestrian activity and infrequent air traffic.

4.2.11 Before the measurement survey was started the instrumentation was field calibrated using a reference sound calibrator to a level of 94.0dB. The instrumentation was then checked using the same reference sound calibrator when the measurement survey was stopped and a value of 94.0dB was also recorded.

4.2.12 The measured levels have been combined to give the $L_{Aeq,\ 16hr\ daytime}$ & $L_{Aeq,\ 8hr\ night\ time}$ levels and also the maximum noise level measured during these periods. Full measurement results are provided in tabular form in Appendix B. The period L_{Aeq} and L_{AMax} values are summarised in the tables below.

Table 4.1: Summary of Measurement Results Living Room Facing A259

Period Commencing	$L_{Aeq,\ T}$	L_{AMax}
14/01/2025 14:30[6]	36.6	66.1
14/01/2025 23:00	30.4	52.1
15/01/2025 07:00	37.3	65.8
15/01/2025 23:00	30.5	61.8
16/01/2025 07:00	37.3	62.3
16/01/2025 23:00	30.7	58.1
17/01/2025 07:00[7]	37.7	60.1

Table 4.2: Summary of Measurement Results External Balcony Overlooking A259

Period Commencing	$L_{Aeq,\ T}$	L_{AMax}
14/01/2025 14:30[8]	67.1	99.4
14/01/2025 23:00	60.8	78.4
15/01/2025 07:00	67.6	97.3
15/01/2025 23:00	60.2	86.6
16/01/2025 07:00	67.4	95.5
16/01/2025 23:00	60.6	88.7
17/01/2025 07:00[9]	67.9	97.9

[6] Not a complete 16 hour period
[7] Not a complete 16 hour period
[8] Not a complete 16 hour period
[9] Not a complete 16 hour period

5. ASSESSMENT

5.1 General

5.1.1 BS 8233 indicates that the good design range level for sleeping conditions in bedrooms should not exceed 30dB $L_{Aeq,\ 8Hour}$. It continues to suggest that the reasonable design range level for sleeping conditions in bedrooms should not exceed 35dB $L_{Aeq,\ 16Hour}$. The standard continues to recognise that regular individual noise events may cause sleep disturbance. The guidance presented in the WHO guidelines on community noise and the ProPG document indicate that if negative effects on sleep are to be avoided individual noise levels within bedrooms at night should not normally exceed 45dB L_{Amax} 10 times a night.

5.1.2 Internally the highest measured daytime level was 37.3dB $L_{Aeq,\ 16Hour}$ while the night time level was 30.7dB $L_{Aeq,\ 8Hour}$.

5.1.3 Internally the highest $L_{Amax,F}$ value measured during the night was 61.8dB $L_{Amax,F}$. An evaluation of the remaining highest 10 measured values during each night was undertaken in line with the ProPG guidance and in the absence of these a value of 46.0dB $L_{Amax,F}$ at the monitoring location has been determined as the loudest of the remaining highest values.

5.1.4 The indication is that for bedroom located on the rear and flank façade levels will be at least 3dB lower and no further consideration is given to bedrooms at night.

5.1.5 Based on the above levels this would exceed the local authority's requirements were the rooms overlooking the A259 sole designation living rooms but they are kitchen dining areas with a living room element attached. The recommended value for kitchen dining areas is 40dB $L_{Aeq,\ 16Hour}$ while living rooms are 35dB $L_{Aeq,\ 16Hour}$. The measured daytime value is less than half way between the two.

5.1.6 Externally the highest measured daytime level was 67.7dB $L_{Aeq,\ 16Hour}$ while the night time level was 60.8dB $L_{Aeq,\ 8Hour}$.

5.1.7 Externally the highest $L_{Amax,F}$ value measured during the night was 88.7dB $L_{Amax,F}$. An evaluation of the remaining highest 10 measured values during each night was undertaken in line with the ProPG guidance and in the absence of these a value of 74.6dB $L_{Amax,F}$ at the monitoring location has been determined as the loudest of the remaining highest values.

5.1.8 Based on the night time $L_{Aeq,T}$ values the indication is there is a level difference of circa 34dB from outside to inside.

5.2 Glazing and Ventilation Requirements

5.2.1 The internal level within a dwelling is dependent on the level arriving at the external façade, the sound insulation properties of the dwelling, (wall, window, roof/ceiling construction) the volume of the room and any furnishings present. The weakest part of the building envelope is typically the glazing and to meet the internal requirements the glazing specification should be capable of reducing the external noise levels by at least 30dB, see table below:

Table 5.1 Highest Measured Values

Value	External Measurement	Mitigation Required	Internal Measurement	Increase Required
Highest $L_{Aeq,16hr}$ (Day)	68	33	37	2
Highest $L_{Aeq,8hr}$ (Night)	61	31	31	1
Highest $L_{AMax,}$ Not exceeded more than 10 times	75	30	46	1

5.2.2 In the event windows were to be replaced, enhanced double glazing with a performance specification of at least R_{TRA} 33dB will be sufficient for all habitable rooms facing the A259. This level of glazing would require enhanced units. [10] [11] [12] [13] However, it is also noted the measurements show the highest measured values across 4 days are marginally above the recommended values. It is considered possible the glazing is already of a comparable performance with R_{TRA} 33dB and it maybe a defect in the fitting (possibly poor seals around the French window/sliding glazed door set) that is failing.

5.2.3 BS 8233 Contains the following informative note:

"Where development is considered necessary or desirable, despite external noise levels above WHO guidelines, the internal target levels may be relaxed by up to 5 dB and reasonable internal conditions still achieved."

5.2.4 The development represents a scenario where future occupants would come to an existing sound source rather than introducing a new source to existing residents. As such there is an increased level of tolerance as the future resident is afforded a choice. It is recommended the local authority form an individual view on the acceptability of any marginal exceedances taking into account site specific circumstances.

5.2.5 The indicative glazing specifications are based on windows being closed to maintain the required internal noise levels. This introduces the issue of ventilation, which must be assessed separately to comply with Building Regulations. The AVO Guide suggests an open window is expected to provide approximately 15dB of façade attenuation, and an external level of 74.6dB(A) would correspond to an internal level of 59.6dB(A), while an external night time level of 60.8dB $L_{Aeq,8hr}$ would correspond to an internal level of 45.8dB $L_{Aeq,8hr.}$ These values are above the threshold values from Approved Document O at which an overheating assessment would be required and residents would be expected to rely on keeping windows closed during sleeping hours.

5.2.6 Alternative ventilation is required to avoid relying on open windows for (natural) ventilation. Any ventilation measures installed must be of a type that do not increase the internal sound levels above the design range guidelines given in BS8233:2014.

[10] Table 1, BS 12758:2019 6mm pane /6-16mm air gap/10mm laminated pane R_{TRA} 33dB.
[11] Table 2, Pilkington Insulight™ 10mm pane /12mm air gap/6.4mm^{PVB} pane R_{TRA} 34dB.
[12] Pilkington Optiphon™ 6mm pane /16mm argon/8.8mm Optiphon pane R_{TRA} 34dB.
[13] Saint Gobain Acoustic Insulation P16: 8mm pane /12mm air gap/10mm pane R_{TRA} 34dB.

5.2.7 It is recommended (subject to confirmation of acceptability from a qualified air quality practitioner) either passive or powered ventilators with a performance value of at least 43dB $D_{n,e,w}$ be fitted to habitable rooms or a mechanical system that corresponds to System 4[14] of Approved Document F of the Building Regulations [5] be installed in the event it is not possible to fit ventilators to each of the habitable rooms.

5.2.8 Where an option that does not provide cooling is installed further advice may need to be sought from a competent heating, ventilation, and air conditioning engineer as it is possible that a need for 'thermal comfort' may govern whether or not individual windows are likely to be opened for cooling.

5.2.9 The specification of the final ventilation strategy falls outside the scope of an acoustic assessment and further advice should need to be sought from a competent heating, ventilation, and air conditioning engineer. Detailed comment on thermal comfort/overheating falls outside the scope of an acoustic report.

5.2.10 Any ventilation method to be installed must not increase the internal level of noise above the ambient noise level guideline values provided in Table 4 at paragraph 7.7.2 of BS 8233:2014. Companies which supply alternative ventilation solutions include Greenwood, Titon and Zehnder[15] and example product brochures of mechanical ventilation and heat recovery systems are presented in Appendix C.

[14] Continuous mechanical supply and extract with heat recovery (MVHR)

[15] Able Acoustics Ltd makes no representations or guarantees in respect of 3rd party products or workmanship.

6. CONCLUSIONS

6.1 Summary

6.1.1 It is concluded the local planning authority form an individual view on the acceptability of the marginal exceedances over the guideline levels from BS 8233 taking into account site specific circumstances e.g. being a kitchen diner with a living space element attached.

6.1.2 In the event this is not acceptable, then permission can still be granted on the provision that the following issues are addressed:

- An enhanced glazing specification of at least 33dB R_{TRA} is required to ensure internal levels detailed in Section 2.3 are not exceeded.

- Alternative ventilation is required to avoid relying on open windows for ventilation. The ventilation measures installed must be of a type that do not increase the internal sound levels above the design range guidelines given in BS8233:2014 and in the event current measures are insufficient the final ventilation strategy may depend on the outcome of a separate overheating assessment.[16]

- Details of the specific glazing and ventilation measures[17] to be installed must be submitted to the local planning authority in advance.

6.2 Informative

6.2.1 The internal period L_{Aeq} and L_{AMax} levels will be above the threshold limits from Section 3.3 of Approved Document O at which windows are expected to be closed during sleeping hours and a separate over-heating assessment maybe required for Building Regulations.

[16] The specification of a ventilation strategy falls outside the scope of an acoustic assessment and further assessment may be required once the final specification from an appropriate mechanical and electrical consultants/heating ventilation and cooling (HVAC) consultant has been determined.

[17] Details include make, model and acoustic performance data to be obtained from the product provider.

7. REFERENCES

1. British Standard 7445: Description and Measurement of Environmental Noise, Part 1. Guide to Quantities and Procedures, 1991.

2. Adur and Worthing Councils, Planning Application Reference Number: AWDM/0588/24, Public Health & Regulation Comments: 21st May 2024.

3. British Standards Institution. British Standard 8233: Guidance on sound insulation and noise reduction for buildings, 2014.

4. World Health Organisation. Guidelines for Community Noise. 2000.

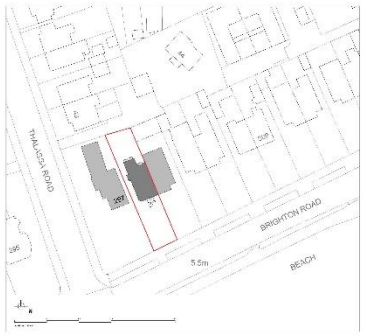
5. Association of Noise Consultants, Institute of Acoustics and Chartered Institute of Environmental Health, Professional Practice Guidance on Planning & Noise (ProPG), 22nd June 2017.

6. Association of Noise Consultants and Institute of Acoustics joint publication: Acoustics Ventilation and Overheating, Residential Design Guide, January 2020.

7. Department for Levelling Up, Housing and Communities, The Building Regulations Statutory guidance: Overheating: Approved Document O, December 2021.

8. The Building Regulations 2010. Approved Document F - Ventilation 2010 edition (incorporating 2010 and 2013 amendments). October 2015.

FIGURES



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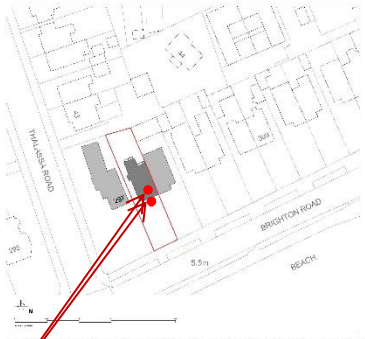
AS EXISTING BLOCK PLAN 1:500 @ A1



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PROPOSED BLOCK PLAN 1:500 @ A1

Approximate Monitoring Locations



LOCATION PLAN 1:1250 @ A1



LIFE SIZE

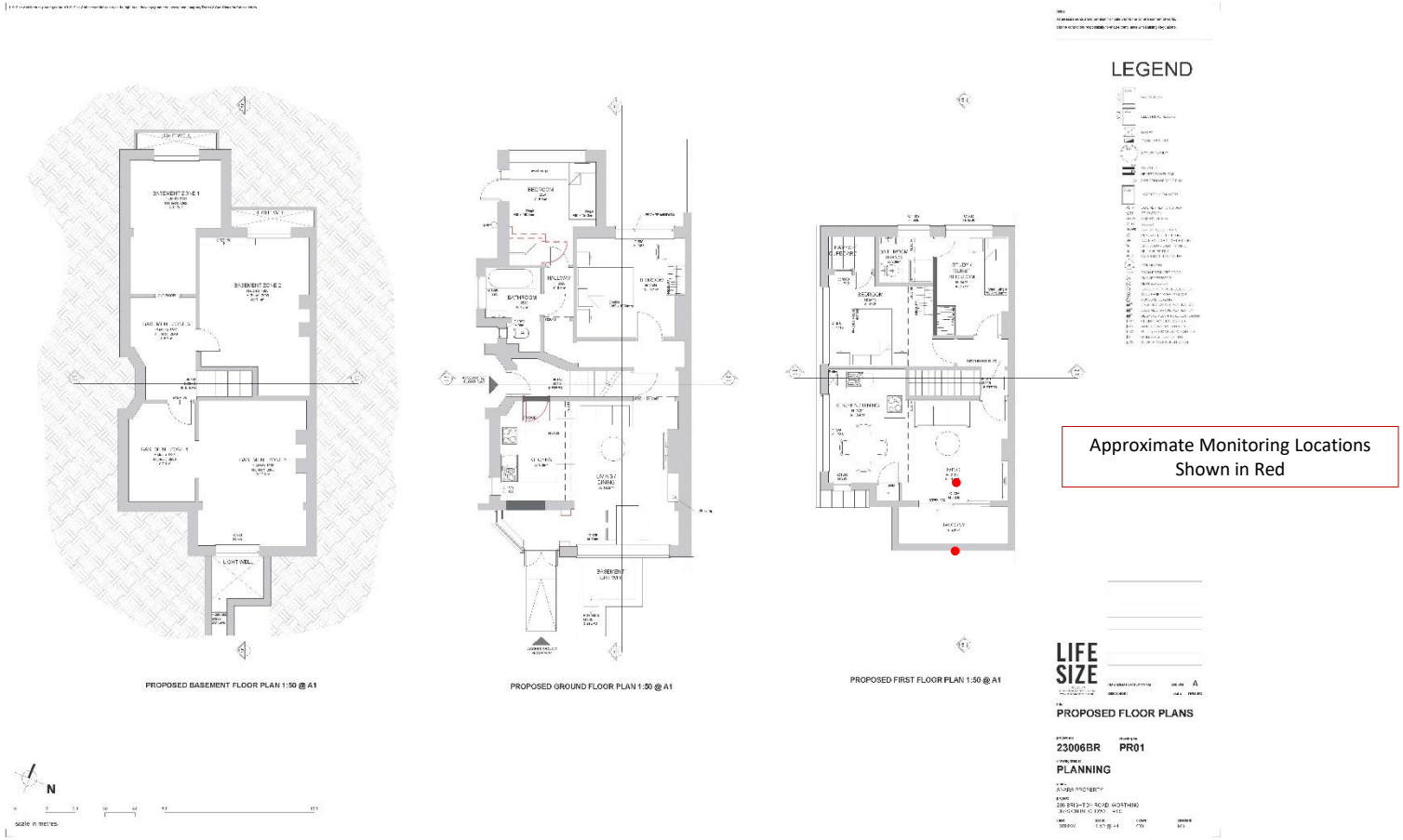
EXISTING & PROPOSED LOCATION & BLOCK PLANS

23006BR EX01

PLANNING

Not To Scale Resized From Original Image

Project	No.	Drawing	No.	File	Date
299 Brighton Road	P1630	Site Location	Figure 01	P1630/Figures.ppt	20/01/2025



Not To Scale Resized From Original Image

Project	No.	Drawing	No.	File	Date
299 Brighton Road	P1630	Proposed Layout	Figure 02	P1630/Figures.ppt	20/01/2025

APPENDIX A

Calibration Certificates

CERTIFICATE OF CALIBRATION

Date of Issue: 25 October 2023 **Certificate Number: TCRT23/1770**

Issued by:
ANV Measurement Systems
Beaufort Court
17 Roebuck Way
Milton Keynes MK5 8HL
Telephone 01908 642846 Fax 01908 642814
E-Mail: info@noise-and-vibration.co.uk
Web: www.noise-and-vibration.co.uk
Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Page 1 of 2 Pages
Approved Signatory
K. Mistry

Customer	Able Acoustics Ltd Unit 20 Connect 10 Business Park Ashford TN24 0FE
Order No.	P1000
Description	Sound Level Meter / Pre-amp / Microphone / Associated Calibrator

Identification

Manufacturer	*Instrument*	*Type*	*Serial No. / Version*
Rion	Sound Level Meter	NL-52	00710388
Rion	Firmware		2.1
Rion	Pre Amplifier	NH-25	10931
Rion	Microphone	UC-59	19664
Rion	Calibrator	NC-75	34334830
	Calibrator adaptor type if applicable		NC-75-022

Performance Class 1
Test Procedure TP 10. SLM 61672-3:2013
Procedures from IEC 61672-3:2013 were used to perform the periodic tests.
Type Approved to IEC 61672-1:2013 Yes
If YES above there is public evidence that the SLM has successfully completed the applicable pattern evaluation tests of IEC 61672-2:2013
Date Received 24 October 2023 ANV Job No. TRAC23/10479
Date Calibrated 25 October 2023

The sound level meter submitted for testing has successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed. As evidence was publicly available, from an independent testing organisation responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

Previous Certificate	*Dated*	*Certificate No.*	*Laboratory*
	Initial Calibration		

This certificate provides traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

MEASUREMENT SYSTEMS

CERTIFICATE OF CONFORMANCE

Date of Issue	**06 December 2024**
Customer	**Able Acoustics Ltd**
Certificate Number	**CONF122401**

	Manufacturer	**Type**	**Serial Number**
Sound Level Meter	Rion	NL-53	00741271
Preamplifier	Rion	NH-25	34226
Microphone	Rion	UC-59	25857

This is to certify that the instrument was tested and calibrated at the Manufacturer's factory according to their specification and that the product satisfied all the relevant requirements of the following Standards:

IEC 61672-1:2013 Class 1.

The instrument also received a functional check by ANV Measurement Systems prior to despatch in the UK, in accordance with our standard procedures.

Signed..... Position Date..... 06/12/2024

K. Zablocki Calibration Technician

BEAUFORT COURT, 17 ROEBUCK WAY, MILTON KEYNES, MK5 8HL
☎ 01908 642846 🖷 01908 642814
✉ info@noise-and-vibration.co.uk 💻 www.noise-and-vibration.co.uk

ACOUSTICS NOISE AND VIBRATION LIMITED. REGISTERED IN ENGLAND NO. 3549028. REGISTERED OFFICE AS ABOVE.

CERTIFICATE OF CALIBRATION

0653

Date of Issue: 08 January 2025 **Certificate Number: UCRT25/1052**

Calibrated at & Certificate issued by:
ANV Measurement Systems
Beaufort Court
17 Roebuck Way
Milton Keynes MK5 8HL
Telephone 01908 642846 Fax 01908 642814
E-Mail: info@noise-and-vibration.co.uk
Web: www.noise-and-vibration.co.uk
Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Page 1 of 2 Pages

Approved Signatory

K. Mistry

Customer	Able Acoustics Ltd Kent House 81 Station Road Ashford Kent House TN23 1PP			
Order No.	P1000			
Test Procedure	Procedure TP 14 Calibration of Sound Calibrators (60942:2017)			
Description	Acoustic Calibrator			
Identification	*Manufacturer*	*Instrument*	*Model*	*Serial No.*
	Rion	Calibrator	NC-75	35146217
	Public evidence of Type Approval	Yes	Approved by PTB	

The calibrator has been tested as specified in Annex B of IEC 60942:2017. As public evidence was available, from a testing organisation responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2017, the sound calibrator tested is considered to conform to all the class 1 requirements of IEC 60942:2017.

ANV Job No.	UKAS25/01016	
Date Received	08 January 2025	
Date Calibrated	08 January 2025	
Previous Certificate	*Dated* *Certificate No.* *Laboratory*	Initial Calibration

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

APPENDIX B

Results of Unattended Monitoring

Measurement Results (External)

Project Number: P1630
Client: Anara Property Ltd
Site Location: 299 Brighton Road

Instrumentation	Serial No.
Rion NL-53 Sound Level Meter	00741271
Rion NH-25 Pre-amp	34226
Rion UC-59 Microphone	25857
Rion NC-75 Calibrator	35146217

Calibration prior to survey:	94.0 dB (re 94.0)
Calibration after survey:	94.0 dB (re 94.0)

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																									
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
14/01/2025 14:30	67.0	75.4	63.4	64.5	68.0	67.5	59.5	51.6	48.2	56.3	56.1	55.1	53.9	55.1	55.1	55.5	56.3	58.5	60.7	59.1	57.2	55.4	51.8	48.8	46.5	45.4	46.3	45.1	35.1
14/01/2025 14:45	67.5	83.1	60.6	62.1	66.5	66.5	59.3	50.1	50.3	58.9	57.8	56.0	56.6	57.4	57.7	57.7	57.8	59.2	60.8	59.4	57.4	55.5	51.8	48.5	45.9	44.5	45.6	44.3	34.2
14/01/2025 15:00	67.2	73.0	62.1	63.5	67.0	67.6	60.7	50.1	46.7	54.0	52.9	52.6	53.4	54.0	53.7	55.1	56.0	58.5	61.0	59.5	57.6	56.0	52.3	49.0	46.2	44.6	45.1	43.2	32.6
14/01/2025 15:15	67.2	76.0	62.1	65.3	67.6	67.9	60.7	51.0	47.3	51.5	55.6	54.1	54.7	56.0	55.0	55.4	56.1	58.4	60.8	59.5	57.6	55.8	52.3	48.9	46.4	45.0	45.6	44.0	33.7
14/01/2025 15:30	67.5	73.4	61.7	64.6	67.6	66.6	59.5	52.3	47.5	51.7	53.8	53.7	53.8	54.7	54.2	55.7	56.5	58.8	61.2	59.7	57.9	56.2	52.7	49.3	46.5	44.8	45.4	44.5	33.9
14/01/2025 15:45	67.5	73.2	60.4	63.3	66.9	64.5	59.0	54.1	48.0	54.0	58.7	54.4	56.0	55.3	55.4	55.6	56.4	58.7	60.9	59.7	58.0	56.3	52.7	49.4	46.6	44.6	44.7	42.8	31.7
14/01/2025 16:00	68.1	74.7	62.1	64.3	68.4	67.1	61.4	51.6	48.6	58.6	58.1	56.0	54.3	55.3	55.1	55.9	56.9	59.4	61.7	60.4	58.6	56.9	53.3	50.0	47.1	45.3	45.7	43.5	32.8
14/01/2025 16:15	67.0	71.9	61.4	64.5	68.0	67.3	59.6	50.4	45.5	50.1	52.5	52.9	53.1	54.0	53.3	54.5	55.7	58.3	60.6	59.4	57.6	56.0	52.4	49.1	46.5	45.0	45.5	43.7	34.9
14/01/2025 16:30	67.5	75.5	62.1	65.4	70.2	67.0	59.3	51.2	49.0	53.2	54.8	55.0	54.3	55.1	54.6	55.2	56.1	58.5	60.9	59.8	58.0	56.4	53.0	49.9	47.5	46.2	47.2	45.5	34.6
14/01/2025 16:45	67.9	80.6	60.4	63.2	67.6	66.9	61.5	52.1	51.5	55.0	54.6	56.2	57.2	59.4	56.5	55.2	56.6	58.8	61.3	59.9	58.3	56.7	53.1	50.0	47.5	46.0	46.9	45.1	33.8
14/01/2025 17:00	67.9	73.0	61.7	63.5	68.7	68.4	62.1	50.9	47.9	51.0	53.1	53.5	53.6	54.6	54.0	55.1	56.3	58.8	61.5	60.3	58.5	57.0	53.4	50.2	47.6	46.0	46.6	44.5	33.4
14/01/2025 17:15	67.9	73.7	62.2	64.0	67.1	66.2	60.5	49.0	46.2	51.5	53.7	53.2	53.4	54.5	53.7	55.1	56.3	58.7	61.5	60.3	58.6	57.1	53.5	50.2	47.4	45.7	46.4	44.4	33.2
14/01/2025 17:30	67.7	74.6	61.8	63.5	66.8	66.5	58.7	50.4	46.4	51.8	53.7	52.9	53.7	54.7	53.6	54.8	56.0	58.6	61.3	60.0	58.4	56.9	53.3	50.1	47.2	45.5	46.2	44.1	33.0
14/01/2025 17:45	67.4	73.5	59.6	62.3	67.2	66.2	59.6	50.4	45.7	53.0	52.6	53.0	52.8	53.9	53.2	54.7	55.5	58.0	61.0	59.9	58.1	56.8	53.2	49.9	47.2	45.5	46.0	44.1	33.0
14/01/2025 18:00	67.3	72.8	61.6	64.6	67.8	65.9	58.2	47.5	44.7	49.1	51.1	51.7	52.3	53.3	52.7	54.3	55.4	58.0	61.0	59.8	58.0	56.6	52.9	49.5	46.8	45.0	45.6	43.9	32.4
14/01/2025 18:15	74.4	99.4	59.4	62.9	65.8	65.6	59.5	48.4	46.3	50.1	51.9	52.4	53.2	54.8	53.7	55.5	57.7	59.4	63.2	61.4	60.9	61.9	63.1	64.0	64.4	65.3	66.1	62.5	51.2
14/01/2025 18:30	67.6	80.8	58.5	61.7	65.5	64.8	57.7	47.8	46.9	49.9	52.8	52.2	52.7	53.4	53.3	54.6	55.6	58.6	61.3	60.2	58.3	56.6	53.0	49.7	47.3	45.9	45.7	43.6	32.5
14/01/2025 18:45	67.3	84.2	58.3	61.1	65.2	64.1	56.5	48.0	48.1	50.5	51.9	52.8	52.6	53.9	53.6	56.1	55.8	58.2	60.9	59.6	57.9	56.5	52.9	49.7	46.9	45.0	45.6	43.5	32.1
14/01/2025 19:00	66.5	73.6	58.3	60.1	64.2	64.7	58.6	49.3	46.4	50.6	51.8	52.4	52.5	53.1	52.3	53.4	54.7	57.4	60.1	58.7	57.1	55.7	52.3	49.1	46.6	44.9	45.7	43.8	32.5
14/01/2025 19:15	66.2	73.5	58.6	61.6	65.7	64.2	57.1	50.2	43.8	48.5	51.6	51.6	51.5	52.6	51.8	53.2	54.7	57.4	59.9	58.4	56.9	55.3	51.8	48.7	46.2	44.3	44.7	42.6	31.2
14/01/2025 19:30	65.9	73.4	55.6	57.8	61.9	61.8	56.2	44.9	43.3	47.6	49.4	49.9	50.5	51.6	51.5	53.0	54.2	56.9	59.4	58.3	56.6	55.2	51.9	48.9	46.5	44.5	44.8	42.7	31.3
14/01/2025 19:45	66.3	74.1	57.2	59.8	63.2	63.1	55.7	45.5	43.0	47.3	49.5	50.4	50.9	52.0	51.7	53.3	54.6	57.4	59.9	58.6	57.1	55.7	52.2	49.1	46.5	44.7	45.0	42.7	31.3
14/01/2025 20:00	66.4	87.8	57.9	59.8	65.1	62.7	58.2	46.5	46.6	58.8	56.3	60.2	57.0	58.3	56.3	55.3	54.7	57.0	59.2	58.1	56.6	55.0	52.1	49.2	46.7	45.1	45.6	43.3	32.1
14/01/2025 20:15	64.4	71.6	55.3	57.9	62.0	60.2	52.7	44.5	42.5	46.2	50.3	49.5	49.4	50.7	50.5	51.7	52.7	55.2	57.8	56.8	55.2	53.7	50.5	47.6	45.2	43.7	43.9	41.5	30.2
14/01/2025 20:30	63.6	79.6	55.4	58.5	62.6	59.3	55.5	44.0	44.1	48.2	50.6	50.6	52.9	55.5	52.8	50.4	51.7	53.9	56.9	55.7	54.1	52.7	49.4	46.5	44.4	43.0	43.4	41.2	30.0
14/01/2025 20:45	63.2	72.0	56.9	56.7	60.4	60.0	52.5	42.9	41.0	45.4	48.0	48.9	48.6	49.5	49.2	50.3	51.5	54.0	56.6	55.8	53.9	52.3	48.9	45.9	43.5	41.8	42.4	40.4	29.3
14/01/2025 21:00	63.5	75.6	56.7	58.2	61.2	59.4	53.5	43.1	42.2	46.7	48.6	49.2	48.8	49.8	49.2	50.5	51.8	54.6	57.2	55.9	54.2	52.6	49.0	45.9	43.5	41.8	42.5	44.0	30.2
14/01/2025 21:15	68.2	91.0	54.5	56.6	64.5	62.9	61.9	52.7	52.4	59.0	59.3	55.8	54.1	54.7	55.3	55.3	57.0	58.7	61.4	60.7	58.3	54.9	53.6	52.9	49.3	51.5	52.8	51.7	41.1
14/01/2025 21:30	63.4	73.2	56.3	57.0	61.8	61.0	52.8	45.8	42.8	47.5	50.2	50.6	49.6	50.5	49.9	50.7	51.8	54.4	57.0	55.7	54.0	52.6	48.9	45.8	43.4	41.8	42.3	40.2	28.8
14/01/2025 21:45	63.8	75.2	57.4	60.1	63.9	63.7	59.9	51.4	46.2	53.1	54.4	53.1	51.1	51.5	50.7	51.2	52.3	54.8	57.2	55.9	54.4	52.9	49.5	46.8	44.8	43.6	44.3	42.3	30.9
14/01/2025 22:00	63.1	72.8	58.7	60.3	62.3	61.1	57.3	47.9	46.6	51.8	54.0	52.4	51.0	51.2	50.4	51.3	52.0	53.5	56.2	55.3	53.4	52.2	49.0	46.4	44.6	43.6	44.4	42.4	31.2
14/01/2025 22:15	62.1	72.7	57.8	59.6	61.5	60.6	54.3	45.0	44.8	50.5	54.4	52.3	50.5	50.8	50.5	50.3	51.1	53.0	55.0	54.0	52.4	51.1	47.9	45.3	43.5	42.5	43.7	41.8	30.5
14/01/2025 22:30	62.1	73.9	58.6	59.8	62.2	61.5	56.1	45.9	44.9	49.8	52.8	51.7	49.8	50.3	49.5	50.0	51.0	53.0	55.1	54.4	52.4	50.8	47.6	45.0	43.2	42.1	43.2	41.5	30.2
14/01/2025 22:45	63.2	76.1	60.8	61.1	64.0	62.4	55.9	46.8	46.1	51.6	53.9	54.3	52.9	52.7	51.1	51.7	52.6	53.8	56.0	55.1	53.3	52.1	49.0	46.4	44.8	44.1	45.6	43.8	32.6
14/01/2025 23:00	60.2	71.8	58.1	59.2	62.0	61.2	52.7	45.1	44.4	49.7	52.2	51.4	49.2	49.5	48.8	48.8	49.1	50.9	52.8	52.5	50.4	48.9	46.0	43.6	42.0	40.9	41.9	39.9	28.9
14/01/2025 23:15	59.4	70.8	56.6	57.6	60.4	58.1	57.0	46.0	43.7	50.2	51.4	50.7	48.9	49.1	48.3	47.8	48.3	50.0	52.2	51.0	49.5	48.3	45.4	43.0	41.2	40.1	41.2	39.3	28.5
14/01/2025 23:30	60.8	75.0	54.7	56.5	60.1	60.1	52.8	44.2	43.6	48.9	51.5	50.9	49.1	49.2	48.3	48.4	48.9	51.0	54.1	53.1	51.4	50.3	46.8	43.8	41.4	39.6	40.3	38.6	27.5
14/01/2025 23:45	57.2	69.0	56.0	56.8	58.7	56.2	49.9	42.5	42.2	47.6	50.2	49.6	47.3	47.7	47.1	46.7	46.6	47.8	49.3	48.6	47.0	46.0	43.1	40.9	39.7	39.0	40.0	38.1	27.0
15/01/2025 00:00	57.1	71.4	54.8	55.6	57.6	54.6	48.8	41.7	41.6	47.6	50.2	49.6	47.1	47.7	47.1	47.5	48.4	48.4	48.9	48.0	46.2	44.9	42.6	40.8	40.3	39.8	41.5	39.8	28.8
15/01/2025 00:15	60.3	76.5	53.6	54.9	56.8	55.1	54.0	44.7	42.0	47.5	50.1	49.7	47.9	48.3	47.9	47.9	48.9	50.7	53.3	52.2	50.7	49.6	46.5	44.0	42.1	41.1	42.6	41.1	30.5
15/01/2025 00:30	57.5	75.0	49.2	51.3	55.7	53.7	54.3	41.5	40.8	48.0	48.8	48.8	47.0	47.3	46.6	46.1	46.7	48.9	50.6	49.4	47.6	46.4	43.2	40.3	37.9	36.3	37.0	34.9	23.9
15/01/2025 00:45	55.8	70.4	49.4	53.1	62.1	56.6	46.0	40.2	39.2	44.8	47.6	47.4	45.5	46.0	45.9	45.5	46.2	47.4	48.2	46.9	45.2	43.9	41.5	39.3	38.2	38.3	39.7	37.7	26.7
15/01/2025 01:00	57.4	74.5	47.1	49.7	55.0	53.7	44.6	39.0	38.9	44.7	47.3	47.2	45.6	46.3	45.8	45.4	46.1	48.3	50.7	49.6	48.0	46.5	43.1	39.9	37.3	35.8	37.0	34.8	23.6
15/01/2025 01:15	57.1	71.1	50.1	50.9	51.7	53.2	44.3	37.5	37.7	43.0	45.8	45.9	44.5	45.1	45.0	45.0	45.4	47.1	49.7	49.2	47.9	46.7	43.5	40.6	38.4	36.9	38.1	36.6	25.9
15/01/2025 01:30	54.6	71.5	48.1	49.2	51.9	52.7	44.0	37.3	37.4	43.0	45.7	45.7	43.5	44.7	44.3	44.0	44.6	46.3	47.5	46.2	44.6	42.7	39.8	37.4	35.8	34.9	35.7	33.4	22.1
15/01/2025 01:45	55.7	72.4	45.2	47.5	50.3	50.8	42.6	36.2	36.4	41.6	44.4	44.5	43.2	44.1	43.9	44.1	44.7	46.4	48.4	47.7	46.1	45.3	42.2	39.3	37.2	35.8	36.4	34.6	23.5
15/01/2025 02:00	57.9	72.6	49.4	51.9	54.0	52.2	45.3	36.5	37.6	41.3	44.4	45.3	44.2	45.5	45.3	46.0	47.3	48.9	50.5	49.9	48.4	47.1	43.9	41.4	40.2	39.6	41.2	39.7	28.5
15/01/2025 02:15	56.5	72.4	52.9	53.2	55.8	51.6	47.0	37.4	35.6	40.7	44.5	44.5	43.3	43.8	44.0	45.2	47.0	46.8	48.0	47.5	45.7	45.2	43.0	41.9	41.6	41.6	42.9	41.3	30.4
15/01/2025 02:30	56.9	73.7	51.8	51.6	51.2	51.6	52.6	36.5	34.9	39.1	42.0	43.1	43.1	44.0	44.3	44.9	47.0	48.3	49.6	48.8	47.0	45.7	43.0	40.6	39.3	38.5	39.4	37.3	25.9
15/01/2025 02:45	52.4	67.0	42.4	43.9	45.7	42.6	38.2	31.4	30.4	35.3	38.5	38.9	39.3	40.4	40.8	41.0	41.8	43.0	44.6	44.1	42.5	41.3	39.3	37.4	36.2	35.3	35.8	33.5	22.0
15/01/2025 03:00	54.2	71.4	49.0	52.4	53.7	48.3	47.1	36.5	32.9	39.0	40.8	41.9	39.6	41.3	41.2	43.7	45.9	45.6	44.9	44.3	42.7	42.1	40.7	39.9	40.0	39.9	41.5	39.8	28.8
15/01/2025 03:15	54.0	70.8	52.4	52.1	57.7	50.6	47.6	35.1	35.5	38.4	39.5	40.9	40.7	41.3	41.3	43.0	44.9	45.5	46.7	45.5	43.5	41.9	39.2	37.6	37.5	37.6	39.2	37.4	26.2
15/01/2025 03:30	55.9	72.8	44.2	44.1	44.3	46.4	42.9	36.3	30.5	35.4	38.1	38.8	39.6	40.7	40.4	42.1	43.8	46.5	49.4	48.2	46.6	45.4	42.0	39.3	37.3	35.5	35.4	33.6	23.0
15/01/2025 03:45	58.7	77.0	49.0	54.7	51.2	50.7	45.4	34.2	36.0	40.1	41.9	42.1	42.6	44.0	44.4	46.6	48.1	49.7	50.5	50.0	49.1	47.9	45.5	43.3	42.4	42.7	43.9	42.2	31.2
15/01/2025 04:00	56.4	72.1	51.7	50.9	54.3	51.6	44.2	34.1	34.2	38.8	40.0	40.8	41.6	42.1	42.8	45.1	47.0	48.2	48.8	47.6	46.3	45.1	43.0	41.1	40.0	39.1	39.8	37.2	25.6
15/01/2025 04:15	56.6	72.0	46.4	48.0	47.0	50.6	48.2	36.4	30.4	36.8	39.5	40.7	39.8	41.0	41.7	42.8	44.3	47.7	49.5	48.4	47.2	46.0	43.6	41.4	39.9	38.5	38.5	36.3	25.0
15/01/2025 04:30	58.0	72.9	50.0	51.1	56.1	52.9	46.0	43.1	33.2	38.0	40.5	42.1	42.3	44.7	43.3	44.6	45.9	48.4	51.0	50.2	48.3	47.2	44.4	42.2	40.9	40.1	41.4	39.8	28.8
15/01/2025 04:45	59.2	75.1	57.4	57.3	62.6	56.5	50.3	40.2	37.9	42.6	44.4	44.8	43.6	44.7	45.2	48.3	49.4	49.9	50.6	49.8	48.0	47.4	45.7	45.1	45.3	45.3	47.1	45.6	34.7
15/01/2025 05:00	59.8	74.6	55.8	56.1	55.8	59.1	47.9	37.8	37.1	40.2	42.3	44.0	44.3	44.7	44.5	47.5	48.2	50.3	52.5	51.0	49.6	48.7	46.2	44.9	44.7	44.8	46.7	45.0	34.1
15/01/2025 05:15	61.6	75.1	54.6	56.1	61.2	60.8	50.4	42.7	37.6	48.8	47.4	45.7	45.3	47.1	47.0	47.7	49.3	52.3	54.1	53.0	51.7	50.4	48.0	46.8	46.0	46.2	47.8	46.0	34.9
15/01/2025 05:30	62.8	74.9	56.0	55.7	58.6	57.7	50.2	39.6	38.3	44.1	45.2	46.6	48.7	48.5	47.8	49.9	51.2	53.8	55.4	54.4	53.1	51.8	49.2	47.7	47.2	46.8	48.3	46.5	35.7
15/01/2025 05:45	63.0	74.0	54.6	55.0	58.0	58.8	57.2	42.3	38.4	43.0	45.2	45.4	46.3	47.7	47.2	48.8	50.4	53.3	55.6	54.8	53.5	52.2	49.6	48.0	47.5	47.3	48.8	47.1	36.1
15/01/2025 06:00	65.0	74.2	61.8	63.0	63.2	63.0	54.5	50.1	41.8	46.7	49.0	48.7	48.8	50.0	49.9	51.7	53.4	55.8	57.5	56.4	55.2	53.8	51.3	49.9	49.6	49.7	51.4	49.7	38.7
15/01/2025 06:15	66.1	78.4	60.3	61.1	64.7	62.3	59.3	47.7	43.8	53.4	58.0	53.2	51.4	56.5	55.6	53.1	54.0	56.4	58.4	57.6	56.2	54.9	52.3	50.6	50.0	50.0	51.8	49.9	39.0
15/01/2025 06:30	66.6	75.0	59.9	61.5	65.8	64.8	56.6	46.2	43.7	48.3	50.8	51.2	50.9	52.1	51.9	53.5	55.0	57.3	59.6	58.5	56.8	55.5	52.7	50.8	49.9	49.7	51.5	49.6	38.8
15/01/2025 06:45	68.1	74.8	61.3	62.8	67.3	66.2	58.6	47.9	46.1	49.7	51.5	51.8	52.2	53.6	53.2	54.7	56.2	58.9	61.3	60.2	58.6	57.3	54.1	51.7	50.6	50.2	51.5	49.7	38.7
15/01/2025 07:00	68.7	76.8	61.4	63.4	68.2	67.4	59.9	50.7	47.2	52.4	55.5	55.5	56.0	57.7	55.1	55.5	56.9	59.2	61.8	60.6	59.0	57.7	54.6	52.4	50.9	50.3	52.4	51.2	39.4
15/01/2025 07:15	68.4	74.6	64.8	67.7	71.2	69.8	60.4	51.8	50.2	53.6	54.2	55.0	54.2	55.1	54.2	55.5	56.8	59.2	61.5	60.4	59.0	57.6	54.5	52.2	50.6	49.9	51.7	49.9	38.9

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																								
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
15/01/2025 07:30	68.5	76.9	63.5	66.1	69.7	68.7	61.3	53.7	46.9	52.6	52.6	53.1	53.4	54.5	54.0	55.4	56.7	59.4	61.8	60.5	59.0	57.8	54.5	52.0	50.5	49.5	50.8	49.3	38.3
15/01/2025 07:45	68.7	75.3	62.4	64.6	68.0	66.2	59.7	50.6	46.7	51.8	53.1	53.3	53.4	54.7	54.1	55.5	56.8	59.5	62.0	60.8	59.5	58.1	54.8	52.2	50.4	49.3	50.6	48.9	38.4
15/01/2025 08:00	69.4	76.7	62.6	64.0	67.1	67.0	60.1	52.1	46.4	51.0	54.1	54.3	53.8	55.2	55.1	56.2	57.7	60.2	62.6	61.5	60.0	58.8	55.7	53.2	51.6	50.9	52.0	50.2	39.2
15/01/2025 08:15	69.1	76.7	61.3	63.9	67.8	67.6	60.0	51.1	49.6	53.1	56.0	56.2	55.3	55.9	54.9	56.2	57.3	59.6	62.3	61.2	59.7	58.5	55.3	52.6	50.7	49.8	51.1	49.4	38.5
15/01/2025 08:30	69.4	82.1	62.3	64.5	68.7	68.7	61.3	49.9	46.8	51.7	53.6	55.4	55.1	59.0	59.3	56.8	57.6	60.2	62.5	61.3	59.9	58.5	55.2	52.7	51.3	50.6	51.7	50.0	39.2
15/01/2025 08:45	68.9	78.1	67.7	64.7	68.1	65.5	58.8	51.2	45.9	51.7	53.3	55.1	54.1	54.9	54.6	55.9	57.2	59.6	62.1	61.0	59.5	58.2	54.8	52.1	50.2	49.4	51.0	49.4	38.7
15/01/2025 09:00	68.9	73.9	63.4	65.1	68.0	67.5	60.1	51.9	48.1	52.3	54.2	54.0	53.7	55.0	54.5	55.8	57.2	59.8	62.2	61.0	59.5	58.1	54.8	52.1	50.5	49.6	51.1	49.6	38.6
15/01/2025 09:15	68.3	74.7	61.9	63.9	67.7	67.0	58.1	49.0	46.9	50.9	52.7	54.1	53.5	54.6	54.2	55.8	56.8	59.1	61.6	60.4	58.7	57.3	54.0	51.7	51.0	51.5	50.8	49.0	38.4
15/01/2025 09:30	68.1	78.8	62.2	64.7	67.0	66.5	59.9	49.6	46.9	51.7	53.6	54.0	53.3	54.5	54.1	55.2	56.3	58.6	61.1	60.0	58.2	56.9	53.7	52.2	52.8	53.7	52.4	49.5	38.9
15/01/2025 09:45	67.8	76.7	61.2	63.5	67.2	65.4	58.7	48.9	48.6	51.6	54.6	55.1	55.2	56.2	54.6	55.3	56.6	58.7	61.0	59.9	58.2	56.7	53.4	51.0	49.7	48.9	50.2	48.8	38.2
15/01/2025 10:00	67.7	74.5	62.7	64.3	67.7	65.4	58.4	50.2	48.3	52.2	54.4	54.4	53.7	54.8	54.1	55.2	56.2	58.4	60.9	59.7	58.0	56.7	53.4	51.0	49.4	48.8	50.4	48.9	38.6
15/01/2025 10:15	67.5	75.2	63.1	63.6	68.5	65.1	59.0	50.4	46.6	51.5	54.2	54.2	53.2	54.4	53.8	55.0	56.3	58.5	60.6	59.5	57.9	56.5	53.3	50.8	49.2	48.7	50.4	49.0	38.3
15/01/2025 10:30	67.3	72.6	61.9	63.9	67.9	65.2	58.9	50.9	46.4	51.7	54.4	54.3	53.3	54.2	53.6	54.7	55.9	58.2	60.6	59.5	57.9	56.3	52.9	50.1	48.0	47.1	48.4	46.8	35.9
15/01/2025 10:45	67.4	77.5	63.2	64.3	67.3	66.5	59.7	49.9	49.0	52.5	57.6	56.8	55.0	56.4	55.7	55.1	56.1	58.4	60.6	59.4	57.7	56.2	53.0	50.4	48.5	47.7	49.1	47.9	40.3
15/01/2025 11:00	69.6	89.4	63.0	65.1	68.2	65.5	60.1	50.0	47.3	52.2	54.8	55.7	53.9	54.9	54.7	55.7	56.8	59.4	62.1	61.0	61.1	57.9	55.5	56.8	53.3	55.1	54.4	53.2	42.6
15/01/2025 11:15	67.5	72.5	61.5	63.1	65.6	64.9	59.2	49.4	46.4	51.6	54.7	54.7	53.5	54.5	53.8	54.9	56.2	58.7	60.9	59.7	58.0	56.5	53.0	50.2	48.0	46.9	48.1	46.4	35.6
15/01/2025 11:30	67.4	73.2	63.3	65.2	67.8	65.6	58.7	48.3	46.0	51.4	54.4	54.1	53.4	54.3	53.7	54.9	55.9	58.5	60.8	59.6	58.0	56.3	52.9	50.1	47.9	46.8	47.8	46.0	35.2
15/01/2025 11:45	66.9	72.4	60.0	62.7	66.0	64.9	59.7	49.3	47.2	53.1	54.0	53.5	52.8	53.7	53.2	54.3	55.5	57.9	60.4	59.1	57.4	55.8	52.3	49.4	46.9	45.7	46.7	44.9	34.0
15/01/2025 12:00	66.9	75.1	61.6	63.4	67.4	65.8	57.2	49.9	48.9	51.8	54.3	53.8	53.0	54.1	53.7	54.8	56.0	58.0	60.3	59.1	57.3	55.6	52.2	49.6	47.4	46.5	47.5	45.9	35.1
15/01/2025 12:15	67.4	74.8	61.4	64.6	67.9	66.5	59.4	50.0	47.8	51.8	53.8	53.9	53.4	54.3	53.7	55.0	56.2	58.7	60.9	59.6	57.9	56.3	52.6	49.6	47.1	45.9	46.9	45.1	34.6
15/01/2025 12:30	68.2	83.5	63.4	63.8	68.6	66.2	61.6	54.6	53.1	56.8	59.3	59.1	57.3	58.7	57.6	57.5	57.9	59.2	61.3	60.0	58.3	56.7	53.2	50.3	48.2	47.8	49.7	47.8	36.4
15/01/2025 12:45	67.5	75.8	61.2	62.9	66.9	66.0	58.1	48.9	45.8	51.0	55.0	56.3	53.9	54.7	54.2	55.4	56.2	58.4	61.0	59.8	57.9	56.4	52.8	49.9	47.3	46.2	47.2	45.4	35.5
15/01/2025 13:00	67.1	74.3	61.5	63.4	67.5	65.5	57.6	48.4	45.7	50.9	53.8	54.0	53.2	54.4	53.9	54.9	56.1	58.3	60.7	59.5	57.7	56.0	52.3	49.3	46.6	45.0	45.7	43.8	32.9
15/01/2025 13:15	67.2	73.1	61.4	66.8	69.8	66.7	59.1	49.4	45.8	50.8	53.1	53.2	53.2	54.4	53.7	55.2	56.3	58.4	60.8	59.6	57.7	56.2	52.4	49.1	46.5	45.1	45.7	43.7	32.8
15/01/2025 13:30	67.1	76.5	60.6	62.0	66.5	66.2	58.4	49.1	45.9	55.5	58.7	55.0	53.0	53.9	53.7	54.7	55.8	58.3	60.7	59.5	57.7	56.0	52.2	49.0	46.2	44.6	45.3	43.8	32.4
15/01/2025 13:45	66.7	72.8	61.2	63.0	67.7	66.3	59.2	52.1	46.9	53.4	53.3	52.8	52.6	53.5	53.1	54.5	55.6	58.1	60.4	59.2	57.3	55.5	51.8	48.7	46.0	44.6	45.5	43.4	33.0
15/01/2025 14:00	66.9	72.5	62.0	63.9	67.7	66.0	58.8	47.5	44.9	49.7	52.0	52.6	52.8	53.8	53.2	54.5	55.7	58.1	60.6	59.4	57.4	55.7	52.0	48.8	46.2	45.2	46.2	43.3	32.4
15/01/2025 14:15	67.6	82.8	61.0	64.0	67.0	66.0	58.9	49.5	47.0	55.8	60.3	57.3	53.9	55.3	55.4	55.8	56.3	58.6	61.1	59.9	58.0	56.3	52.6	49.5	47.4	46.9	47.8	45.4	35.0
15/01/2025 14:30	67.1	72.6	60.2	63.1	67.8	66.4	57.8	48.6	45.3	52.2	52.8	53.2	52.9	54.0	53.6	54.8	55.8	58.3	60.8	59.5	57.7	56.0	52.3	48.9	46.3	44.8	45.4	43.5	32.0
15/01/2025 14:45	67.3	74.3	59.8	62.8	66.7	64.7	57.8	49.4	46.5	51.1	55.2	53.2	53.2	54.2	53.9	54.8	55.9	58.6	61.1	59.7	57.9	56.2	52.4	49.1	46.4	45.3	45.2	42.9	31.9
15/01/2025 15:00	68.4	85.3	60.7	63.4	67.5	66.4	59.0	49.3	49.2	53.5	54.5	55.7	53.5	54.6	54.0	55.4	56.5	59.2	61.6	60.9	59.3	57.0	54.1	53.4	48.8	48.6	48.7	46.9	36.9
15/01/2025 15:15	72.7	97.3	61.0	62.6	65.8	64.7	59.0	54.1	46.3	55.6	60.9	64.7	62.3	65.2	66.1	61.6	61.5	60.7	62.1	61.5	62.6	62.6	60.5	58.8	58.0	58.2	59.4	58.2	47.2
15/01/2025 15:30	68.3	80.3	60.5	62.6	66.5	65.3	59.2	49.6	46.3	56.3	58.9	55.8	54.0	55.3	55.7	56.6	57.1	59.4	61.8	60.5	58.8	57.3	53.7	50.6	48.3	46.8	48.0	46.5	35.7
15/01/2025 15:45	67.6	74.0	64.0	64.0	67.3	66.2	58.9	49.6	46.1	50.6	53.4	53.8	53.2	54.9	54.0	55.2	56.3	58.6	61.2	60.0	58.3	56.6	53.0	49.8	47.4	45.8	46.4	44.6	33.5
15/01/2025 16:00	69.5	90.9	63.2	65.6	68.8	67.8	59.1	49.7	47.1	51.8	53.1	53.0	53.2	54.3	53.7	55.3	57.1	60.3	62.4	60.9	60.0	58.0	54.7	53.8	54.8	53.9	57.0	53.7	41.6
15/01/2025 16:15	67.8	77.6	62.5	65.5	67.8	66.3	60.7	50.6	46.1	52.2	57.7	54.7	55.6	57.1	54.3	55.2	56.4	58.8	61.1	60.0	58.4	56.7	53.3	50.3	48.0	46.7	47.9	46.2	35.7
15/01/2025 16:30	66.9	77.7	63.7	66.9	69.8	67.9	60.2	51.0	49.9	55.5	54.8	53.4	53.0	54.1	53.2	54.2	55.3	57.8	60.5	59.2	57.4	56.0	52.6	49.6	47.4	46.0	47.1	46.0	35.5
15/01/2025 16:45	67.6	73.3	61.0	64.6	67.5	66.2	59.2	51.5	50.0	53.5	53.0	52.8	52.8	53.9	53.2	54.5	55.7	58.3	61.1	59.9	58.2	56.8	53.4	50.4	48.2	47.0	48.1	46.5	35.6
15/01/2025 17:00	67.6	72.5	62.3	65.8	69.6	67.0	61.0	53.0	45.7	55.1	53.3	53.3	53.0	53.9	53.1	54.5	55.6	58.3	61.1	59.8	58.2	56.9	53.4	50.6	48.5	47.3	48.6	47.0	36.1
15/01/2025 17:15	65.8	72.3	66.4	69.1	71.2	68.1	60.0	51.1	47.1	52.1	53.2	52.0	51.7	52.4	51.6	52.8	53.9	56.5	59.1	57.9	56.3	55.0	51.7	48.9	47.0	46.1	47.5	46.1	35.5
15/01/2025 17:30	68.3	73.7	60.4	63.7	67.6	66.8	59.8	52.6	47.2	52.2	54.9	55.7	54.2	55.1	54.2	55.1	56.1	58.8	61.6	60.4	58.9	57.7	54.4	51.9	50.1	49.2	50.6	49.1	38.2
15/01/2025 17:45	68.2	74.5	61.9	64.3	68.7	67.3	61.4	51.7	53.1	60.1	56.3	54.1	54.6	55.0	54.4	55.1	56.0	58.6	61.6	60.4	58.7	57.5	54.2	51.6	49.9	49.0	50.6	48.9	38.1
15/01/2025 18:00	67.9	77.7	59.3	61.9	66.9	65.0	60.2	55.8	50.3	57.2	59.2	54.2	52.8	53.6	52.9	55.2	55.6	58.5	61.2	60.1	58.6	57.4	53.9	51.2	49.3	48.3	49.7	48.8	37.9
15/01/2025 18:15	70.5	96.0	60.8	63.5	68.1	66.8	62.0	53.0	48.4	51.6	52.5	51.8	52.3	53.4	52.6	54.1	55.3	58.5	61.2	60.2	60.6	58.8	59.9	59.9	55.9	58.4	58.3	58.4	45.1
15/01/2025 18:30	67.6	75.0	57.7	60.1	63.9	64.1	57.7	49.1	45.3	48.6	50.1	50.9	51.8	53.0	52.3	54.0	55.3	58.2	61.1	59.9	58.4	57.1	53.6	50.6	48.4	47.1	48.4	46.9	36.0
15/01/2025 18:45	67.5	75.3	58.3	60.6	64.8	64.9	58.3	46.9	44.7	49.5	49.9	52.5	52.4	53.3	52.6	54.1	55.3	58.2	60.9	59.7	58.2	57.0	53.6	50.8	48.9	47.7	49.0	47.5	36.8
15/01/2025 19:00	66.4	73.4	57.2	59.0	64.0	64.2	57.5	46.2	43.8	47.8	50.3	50.1	50.8	51.9	51.2	52.9	54.2	57.1	59.8	58.7	57.2	55.9	52.5	49.7	47.6	46.5	47.7	46.1	35.3
15/01/2025 19:15	66.7	75.1	60.8	62.7	66.3	63.2	59.8	52.9	45.3	50.1	51.4	55.2	52.5	52.6	53.4	53.7	54.5	57.2	59.9	58.9	57.3	56.0	52.7	50.2	48.4	47.5	48.8	47.3	36.5
15/01/2025 19:30	66.0	77.4	63.0	63.0	63.4	63.2	56.2	45.8	47.7	53.6	51.3	52.2	52.6	54.3	53.6	52.7	53.6	56.3	59.2	58.3	56.7	55.4	52.0	49.3	47.2	45.9	47.0	45.5	35.1
15/01/2025 19:45	65.3	74.0	57.2	58.3	61.9	62.2	53.3	44.5	42.0	47.8	48.9	50.9	50.2	51.7	53.9	52.1	53.0	55.6	58.5	57.5	55.9	54.8	51.6	49.1	47.2	46.1	47.2	45.6	34.8
15/01/2025 20:00	65.8	73.3	57.8	59.5	62.1	62.6	55.3	45.1	43.4	52.6	51.0	51.6	51.2	52.3	51.3	53.1	53.7	56.6	59.1	57.9	56.3	55.0	51.9	49.2	47.3	46.1	47.0	45.3	34.5
15/01/2025 20:15	65.5	74.0	55.0	57.9	61.6	61.7	58.0	48.2	42.2	48.6	50.6	49.5	49.9	51.0	51.5	52.3	53.5	56.2	58.6	57.7	56.3	55.0	51.8	49.1	47.2	45.6	46.4	44.7	35.5
15/01/2025 20:30	65.2	76.9	55.0	57.6	61.2	60.4	54.6	46.7	48.2	45.9	49.6	52.7	49.7	52.8	50.8	51.9	53.1	55.4	58.3	57.5	55.9	54.9	51.7	48.9	46.8	45.2	46.1	44.1	33.2
15/01/2025 20:45	64.7	74.5	56.8	57.9	60.0	60.4	53.9	45.4	44.4	47.3	48.5	49.8	50.0	50.0	49.6	51.5	52.9	55.1	57.6	57.0	55.4	54.3	51.3	48.6	47.0	45.7	46.6	44.8	34.7
15/01/2025 21:00	64.4	74.0	56.7	58.0	59.8	61.7	52.5	42.9	42.1	44.9	47.5	48.7	48.6	49.8	49.5	51.1	52.7	55.3	57.5	56.4	55.0	53.7	50.6	48.1	46.5	45.3	46.2	44.3	33.1
15/01/2025 21:15	64.2	73.7	53.4	55.2	58.6	59.5	52.7	47.7	41.0	47.1	50.2	47.9	48.3	49.5	49.2	50.7	51.9	54.6	57.5	56.6	55.0	53.7	50.3	47.4	45.2	44.0	44.6	42.7	31.5
15/01/2025 21:30	64.5	78.4	56.5	58.3	61.6	61.7	53.8	44.5	44.4	48.5	51.4	54.0	53.9	53.4	50.5	51.5	52.5	54.8	57.6	56.9	55.1	53.6	50.3	47.7	45.7	44.6	45.7	44.4	34.3
15/01/2025 21:45	63.9	72.1	55.8	57.0	63.6	59.0	53.1	46.1	41.7	47.8	49.8	48.8	48.7	49.5	49.5	50.9	52.0	54.6	57.1	56.2	54.6	53.2	49.7	46.9	44.9	43.8	44.7	42.9	32.1
15/01/2025 22:00	63.8	73.8	58.3	59.8	62.8	62.2	53.1	45.8	43.8	47.7	50.0	50.2	49.2	50.4	49.8	51.4	52.4	54.3	57.0	56.1	54.3	53.0	49.9	47.3	45.7	44.7	45.8	44.0	33.1
15/01/2025 22:15	62.7	74.3	57.3	58.7	61.4	62.7	55.0	47.3	43.0	50.1	52.2	50.6	49.0	49.6	49.2	50.3	50.7	52.9	56.0	55.0	53.4	52.1	48.9	46.0	43.9	42.7	43.9	42.6	31.6
15/01/2025 22:30	63.5	85.6	57.5	59.0	62.3	60.2	54.9	47.1	45.9	51.0	51.1	50.6	49.9	51.6	52.1	57.7	54.0	53.7	56.0	55.4	53.2	51.9	48.7	45.9	44.2	43.2	44.2	42.5	31.7
15/01/2025 22:45	63.2	78.9	57.6	58.5	59.9	58.5	54.7	45.7	45.6	50.5	50.7	53.4	50.6	54.1	51.4	51.3	52.2	53.0	56.0	55.2	53.7	52.5	49.2	46.5	44.6	44.1	45.2	42.8	32.1
15/01/2025 23:00	61.8	73.1	57.8	58.5	59.8	59.8	52.7	44.2	42.9	47.9	50.4	50.1	48.7	49.2	48.4	48.9	49.8	51.9	55.0	53.9	52.2	51.1	47.8	45.2	43.6	42.8	44.0	42.3	31.4
15/01/2025 23:15	60.3	73.6	57.3	58.2	62.3	63.0	55.3	46.5	43.9	48.7	51.0	50.5	48.8	49.2	48.5	48.8	49.6	51.0	52.8	52.0	50.5	49.1	46.2	44.2	43.1	42.5	44.0	42.3	31.4
15/01/2025 23:30	60.8	73.5	57.1	58.0	66.0	60.8	52.8	45.6	43.0	48.3	50.8	50.2	48.3	48.7	48.2	48.5	49.1	51.3	53.8	53.0	51.3	49.9	47.0	44.5	42.6	41.6	42.7	40.9	30.0
15/01/2025 23:45	61.0	81.9	59.2	59.8	66.5	60.8	55.0	46.4	43.4	51.8	52.2	53.4	51.9	52.0	50.0	49.6	50.7	51.5	53.1	52.3	51.6	49.1	46.2	44.6	43.7	43.6	45.2	43.9	33.3
16/01/2025 00:00	59.9	74.1	56.0	55.8	59.4	56.2	50.6	42.4	43.5	49.7	50.6	54.6	48.3	49.1	48.3	48.1	48.6	50.3	52.4	52.0	50.3	49.1	45.8	43.0	41.0	39.8	40.9	39.1	28.3
16/01/2025 00:15	59.3	71.9	56.9	55.9	59.0	56.6	54.8	44.5	42.2	47.8	50.4	49.9	47.7	48.1	47.6	47.6	48.4	49.9	52.0	51.2	49.5	48.2	45.2	42.9	41.5	40.7	42.1	40.6	30.1
16/01/2025 00:30	59.0	79.2	50.6	52.3	57.4	58.1	47.9	42.1	46.1	48.6	50.7	53.2	54.9	56.4	52.1	47.3	48.4	48.8	51.2	49.9	48.1	46.5	43.2	40.3	38.5	37.2	38.0	36.2	25.4
16/01/2025 00:45	56.6	72.8	50.2	53.7	56.2	56.8	47.5	40.3	39.9	46.1	48.8	48.5	46.1	46.8	46.0	45.5	45.7	47.6	49.6	48.3	47.0	45.3	42.0	39.5	36.4	34.4	35.3	33.3	22.2
16/01/2025 01:00	57.5	72.0	53.6	54.8	56.1	57.5	48.3	40.0	39.8	46.0	48.4	48.5	46.4	47.0	46.4	47.4	48.5	48.9	50.4	49.0	46.9	45.8	42.7	39.9	38.8	38.3	39.9	38.0	27.1
16/01/2025 01:15	61.5	86.6	50.1	51.2	54.1	58.4	46.8	39.7	41.2	50.3	64.7	58.4	50.9	60.9	58.1	56.2	50.6	48.3	49.0	49.3	47.5	46.0	43.2	41.2	40.1	39.0	41.0	39.9	29.6
16/01/2025 01:30	55.3	72.6	48.6	49.2	60.3	53.3	49.4	40.7	36.8	43.6	45.5	45.2	44.0	45.0	43.9	44.0	43.9	45.2	48.2	47.6	45.7	44.6	41.3	38.3	36.1	34.2	34.8	32.9	22.9
16/01/2025 01:45	52.8	70.0	48.0	48.2	52.1	54.0	44.9	42.4	35.8	42.2	44.7	44.4	42.7	43.7	43.1	42.9	42.6	43.7	45.9	44.4	42.8	41.2	37.7	34.9	32.8	30.7	31.1	29.1	18.7
16/01/2025 02:00	55.5	71.5	51.6	52.0	54.9	52.4	46.0	39.2	37.4	41.6	43.9	44.2	42.5	43.7	43.9	44.9	46.4	47.5	47.9	46.8	45.2	43.4	40.8	39.2	38.3	37.9	39.5	37.7	26.7
16/01/2025 02:15	54.4	72.2	51.2	50.9	54.5	51.5	47.5	38.9	35.9	41.6	43.4	43.8	42.8	43.1	42.8	43.5	44.3	45.3	47.3	46.1	44.5	43.4	40.4	37.7	35.8	34.7	35.7	33.8	22.9
16/01/2025 02:30	55.3	72.5	52.2	51.0	51.9	56.1	52.5	38.2	34.9	42.0	42.0	43.2	42.2	42.5	42.5	43.2	44.4	46.3	48.5	47.6	45.9	44.0	40.6	37.7	35.6	34.5	35.8	33.9	23.0
16/01/2025 02:45	50.7	67.2	42.8	47.1	45.6	45.2	37.4	34.4	35.1	46.5	40.2	40.5	39.4	39.4	39.3	39.3	39.9	41.6	44.5	42.7	40.7	38.8	35.5	33.2	31.2	30.1	31.5	30.4	20.8
16/01/2025 03:00	54.9	70.5	54.8	54.3	63.9	52.3	46.0	37.0	36.3	42.7	43.0	43.7	42.0	43.4	43.5	45.3	47.2	46.9	46.3	45.9	43.6	42.7	40.1	38.3	38.5	38.8	40.8	39.3	28.5
16/01/2025 03:15	56.9	74.0	52.9	52.6	54.5	54.7	45.3	36.2	36.4	40.5	43.1	43.3	42.5	43.1	43.6	45.3	47.6	48.3	49.3	48.1	46.0	44.9	42.8	41.1	41.2	42.2	43.2	41.5	30.6
16/01/2025 03:30	55.9	70.8	46.2	48.1	50.8	51.3	46.2	34.8	32.8	37.9	39.7	40.3	41.3	41.8	41.0	42.5	43.3	46.6	49.1	48.4	47.2	45.4	41.7	38.6	36.0	34.4	35.6	33.9	23.0
16/01/2025 03:45	57.6	72.9	49.5	56.2	58.9	50.8	44.4	43.1	35.6	38.4	46.3	42.4	41.9	42.3	42.7	45.0	45.5	47.9	51.2	50.1	48.1	46.7	43.4	40.5	38.7	37.9	39.7	38.3	27.5
16/01/2025 04:00	54.8	70.8	52.9	56.7	58.6	54.3	48.8	40.7	35.0	40.8	43.9	42.1	39.8	41.6	41.8	44.2	45.8	47.1	47.3	46.2	44.7	42.4	39.8	38.0	37.4	37.6	39.6	38.1	27.2
16/01/2025 04:15	55.1	76.0	54.3	53.6	55.

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																									
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
16/01/2025 04:45	57.9	73.4	53.6	53.6	56.1	58.1	48.3	43.7	39.7	47.0	42.4	42.4	42.2	43.3	42.8	44.5	46.2	48.7	51.4	50.2	48.4	47.0	44.1	41.6	39.8	38.8	39.4	37.4	26.5
16/01/2025 05:00	58.3	71.4	56.0	56.6	58.9	57.3	46.4	39.5	36.2	41.2	45.6	43.7	43.2	44.2	43.6	45.9	47.3	49.1	51.2	50.3	48.7	47.2	44.6	42.3	41.0	40.2	41.0	39.0	27.9
16/01/2025 05:15	61.1	74.6	55.7	54.8	63.5	59.1	50.2	41.6	38.8	44.8	49.8	49.6	45.2	47.5	47.7	48.3	49.6	51.8	53.7	53.3	51.4	50.0	47.4	45.3	43.9	43.1	44.2	42.4	31.7
16/01/2025 05:30	61.1	73.9	52.7	53.4	59.0	58.0	56.2	41.1	37.0	41.1	43.7	43.5	45.6	46.0	45.3	47.0	48.5	51.3	54.6	53.7	52.1	50.7	47.6	44.4	41.9	40.1	40.8	39.0	27.9
16/01/2025 05:45	61.6	73.4	55.1	56.2	66.4	58.9	54.1	44.1	40.1	45.6	46.8	46.2	45.9	47.1	46.7	48.4	49.9	52.5	55.0	53.8	52.3	50.9	47.4	44.7	42.9	42.0	43.6	41.9	30.9
16/01/2025 06:00	62.6	71.8	58.8	59.2	62.9	59.9	56.8	43.4	40.0	44.7	46.0	46.4	47.4	48.3	47.8	49.9	51.0	53.4	56.1	55.0	53.2	51.5	48.2	45.6	43.8	42.8	43.9	42.4	31.5
16/01/2025 06:15	64.9	74.8	60.2	61.1	63.5	62.4	56.3	45.6	42.7	46.8	48.9	49.8	49.1	50.5	50.0	52.1	53.3	55.6	58.3	57.0	55.5	53.8	50.5	47.9	46.3	45.6	47.2	45.4	34.9
16/01/2025 06:30	65.9	74.2	60.9	61.6	64.9	63.9	57.2	48.6	44.3	48.5	50.6	51.3	50.8	51.9	51.6	53.4	54.7	56.9	59.3	58.0	56.4	54.9	51.5	48.9	47.0	46.4	48.1	46.2	35.3
16/01/2025 06:45	67.3	75.8	63.4	63.6	68.2	66.8	60.2	51.9	46.8	53.0	54.3	53.6	53.0	54.8	53.1	54.9	56.0	58.2	60.7	59.7	58.0	56.2	52.8	50.1	48.0	47.1	48.4	46.4	35.5
16/01/2025 07:00	67.1	74.2	63.1	66.4	69.8	68.2	60.0	50.2	48.8	53.0	54.0	52.8	53.1	53.6	52.9	54.5	55.5	57.9	60.5	59.5	57.8	56.2	52.9	50.3	47.7	46.5	47.7	45.8	34.8
16/01/2025 07:15	67.6	72.1	64.0	66.0	69.2	67.6	60.3	49.5	46.8	51.0	53.1	52.7	53.5	54.0	53.2	54.7	55.9	58.4	61.1	59.8	58.3	56.7	53.2	50.4	47.9	46.7	47.8	46.0	35.7
16/01/2025 07:30	68.3	84.9	62.8	66.1	70.8	68.3	61.6	51.5	49.6	57.2	56.3	55.4	54.6	56.0	56.5	56.1	56.9	59.0	61.6	60.5	59.0	57.4	54.0	51.4	48.9	47.7	48.9	47.3	36.1
16/01/2025 07:45	67.8	75.6	62.6	65.4	70.7	67.8	59.0	49.4	46.5	51.6	54.3	53.2	53.3	54.6	53.8	56.0	56.5	58.7	61.3	60.1	58.4	57.0	53.5	50.5	48.3	47.1	48.2	46.2	35.5
16/01/2025 08:00	68.0	74.9	61.9	64.1	70.0	66.4	60.1	50.7	48.4	52.7	53.2	54.1	53.5	54.7	54.1	55.4	56.6	59.0	61.4	60.4	58.7	57.2	53.8	50.7	48.3	47.1	48.1	46.2	35.3
16/01/2025 08:15	68.4	77.5	62.8	65.6	68.8	67.4	59.5	49.4	47.5	52.7	55.0	55.4	54.3	55.0	54.1	55.7	56.9	59.3	61.8	60.6	59.1	57.5	54.0	50.9	48.5	47.1	49.7	46.0	36.6
16/01/2025 08:30	69.3	82.2	63.9	66.1	68.7	66.7	58.9	49.9	48.6	52.5	55.3	55.6	54.4	55.4	54.8	56.0	57.0	59.5	62.1	60.8	59.2	57.8	54.4	53.3	57.0	57.2	51.9	47.3	38.0
16/01/2025 08:45	68.5	74.5	63.0	64.5	68.1	66.3	57.7	48.3	45.3	50.6	52.6	53.6	53.5	54.7	54.2	55.7	56.9	59.6	62.1	60.7	59.3	57.7	54.0	51.0	49.3	47.4	47.5	45.1	33.8
16/01/2025 09:00	68.1	80.1	61.1	63.0	66.3	66.1	59.2	48.2	45.8	51.0	52.6	53.5	53.4	54.5	53.8	55.4	56.4	58.9	61.4	60.2	58.6	57.1	53.5	50.6	51.1	52.6	47.2	44.4	33.6
16/01/2025 09:15	67.1	74.6	62.1	64.0	68.1	66.8	59.4	49.5	45.6	50.7	53.6	54.4	53.1	54.3	53.9	55.6	56.3	58.2	60.5	59.2	57.5	55.9	52.3	49.7	48.7	48.9	47.4	45.6	34.4
16/01/2025 09:30	67.9	76.9	61.9	64.2	67.4	65.8	59.9	52.8	48.0	54.0	54.3	55.2	54.2	55.9	54.6	55.1	56.1	58.5	61.2	60.0	58.2	56.6	52.9	51.3	51.3	52.0	48.3	44.5	33.5
16/01/2025 09:45	66.8	75.8	61.6	63.8	67.3	66.7	60.9	51.0	48.5	52.1	53.7	53.8	52.9	53.4	53.1	54.6	55.8	58.1	60.3	59.2	57.3	55.5	51.7	48.8	47.9	45.8	45.1	43.0	33.5
16/01/2025 10:00	66.9	74.6	62.1	63.7	67.0	65.8	58.7	50.0	46.1	51.2	52.7	53.6	52.8	53.8	53.5	55.0	56.0	58.1	60.5	59.3	57.4	55.6	51.8	48.6	46.4	45.0	45.8	43.7	32.0
16/01/2025 10:15	66.9	78.7	61.5	63.0	67.1	66.2	58.6	49.4	46.5	51.0	53.3	53.3	53.0	53.9	53.9	55.2	56.2	58.1	60.6	59.3	57.4	55.6	51.7	48.5	45.7	44.1	44.8	42.9	31.9
16/01/2025 10:30	68.1	87.8	63.2	64.8	68.7	66.4	59.5	51.4	47.2	53.6	55.5	54.6	54.0	55.0	55.2	55.6	56.8	58.9	62.0	61.0	58.9	55.9	52.1	49.2	46.7	45.4	46.7	45.0	34.2
16/01/2025 10:45	66.8	76.1	64.2	64.5	67.7	66.0	59.5	49.9	46.2	50.9	53.7	54.6	53.6	54.5	54.0	55.6	56.0	58.1	60.4	59.0	57.2	55.4	51.8	48.8	46.5	44.9	45.4	43.2	32.1
16/01/2025 11:00	70.4	94.7	62.3	64.6	68.4	66.3	59.2	53.8	50.9	56.8	57.6	56.3	54.9	55.4	54.7	55.8	56.6	59.0	61.5	60.8	61.8	57.3	58.2	60.3	56.5	56.6	56.4	55.5	44.2
16/01/2025 11:15	67.5	81.1	61.7	63.9	68.3	66.0	58.5	49.8	47.5	54.8	59.2	60.1	55.2	56.3	56.8	55.6	56.5	58.8	61.1	59.7	57.8	56.0	52.2	49.1	46.7	45.4	46.0	43.9	32.6
16/01/2025 11:30	68.3	77.2	63.0	64.1	67.9	66.8	59.5	50.6	47.8	54.4	55.4	55.4	54.7	55.6	55.2	56.4	57.3	59.6	61.8	60.4	58.6	56.8	53.4	50.7	50.0	50.6	49.7	45.4	35.1
16/01/2025 11:45	67.7	73.7	62.2	64.4	68.4	67.7	59.3	50.5	47.3	52.4	54.7	55.8	54.5	55.2	55.2	56.2	57.3	59.0	61.2	59.9	58.2	56.4	52.7	49.8	47.4	46.2	46.7	44.4	35.0
16/01/2025 12:00	67.5	82.9	63.3	64.1	68.4	66.7	60.7	51.4	50.6	55.1	56.5	57.0	55.5	55.7	54.8	55.9	56.7	58.9	61.0	59.7	57.9	56.1	52.4	49.8	47.2	45.9	46.7	44.6	33.6
16/01/2025 12:15	67.5	76.4	62.8	64.2	67.2	66.0	58.5	49.0	46.3	51.9	55.3	54.0	53.9	54.6	54.0	55.3	56.2	58.9	61.2	59.9	58.2	56.2	52.3	49.3	47.3	46.3	46.4	44.4	33.4
16/01/2025 12:30	68.9	86.9	61.9	64.6	67.4	65.9	58.3	48.9	47.9	54.6	54.9	55.1	55.4	56.0	55.7	56.2	57.3	59.5	62.3	61.5	60.1	57.1	54.0	51.7	48.3	48.1	49.7	48.6	38.7
16/01/2025 12:45	68.0	74.4	61.7	62.9	67.3	66.2	59.5	53.5	49.8	51.7	55.4	55.0	54.9	55.7	55.1	55.9	57.0	59.4	61.7	60.3	58.5	56.6	52.8	49.7	47.4	46.0	46.4	44.3	33.1
16/01/2025 13:00	68.2	80.6	62.5	65.1	68.3	67.1	61.0	53.6	50.2	56.0	58.5	58.2	56.7	57.0	55.7	57.1	57.7	59.4	61.7	60.6	58.6	56.5	52.9	49.6	47.5	46.3	47.2	45.3	33.8
16/01/2025 13:15	67.2	74.2	62.5	64.5	68.0	66.3	59.1	48.8	46.2	51.7	54.4	54.8	53.9	54.8	54.4	55.4	56.5	58.9	60.8	59.5	57.7	55.7	51.9	48.6	45.8	44.4	46.5	44.9	34.1
16/01/2025 13:30	67.5	74.3	63.4	64.3	66.9	66.1	59.4	52.2	47.4	54.2	56.4	55.7	54.5	55.2	54.8	56.0	57.0	59.0	61.1	59.9	57.9	55.9	51.9	48.6	46.3	45.6	45.5	43.4	32.5
16/01/2025 13:45	67.1	74.5	60.8	62.4	65.0	65.5	58.4	51.3	51.8	55.3	58.7	55.4	53.9	55.0	55.0	55.5	56.6	58.7	60.7	59.3	57.4	55.6	51.8	48.4	45.8	45.0	46.1	43.6	32.8
16/01/2025 14:00	67.4	75.2	62.2	65.8	69.4	67.9	59.1	48.5	45.8	50.5	52.7	53.2	53.5	54.5	54.0	55.3	56.5	58.9	61.2	59.8	57.9	55.9	52.0	48.6	46.2	44.8	45.5	43.6	32.2
16/01/2025 14:15	67.5	75.9	61.6	64.4	70.5	67.0	57.5	47.4	45.9	49.9	52.6	53.6	53.4	54.1	53.8	55.3	56.6	59.2	61.3	59.9	58.1	56.0	51.9	48.4	45.8	44.2	44.6	42.6	32.6
16/01/2025 14:30	67.2	76.3	62.4	63.9	67.5	66.5	58.8	48.0	46.4	52.1	53.4	53.2	53.3	54.2	53.4	54.9	56.1	58.7	61.0	59.6	57.7	55.6	51.8	48.7	46.2	45.0	46.2	44.8	34.5
16/01/2025 14:45	67.3	73.9	62.2	63.3	68.6	66.9	58.9	49.2	54.7	56.6	55.5	54.5	54.4	54.9	54.8	55.8	56.6	58.8	60.9	59.5	57.7	55.7	51.8	48.6	46.3	44.7	45.0	43.2	32.1
16/01/2025 15:00	66.7	75.6	62.1	64.3	66.8	65.5	59.0	50.2	49.4	52.4	56.4	57.9	54.1	54.6	54.6	55.1	56.1	58.2	60.4	59.0	57.2	55.2	51.3	47.8	44.8	43.2	43.4	41.5	30.6
16/01/2025 15:15	67.4	76.5	62.5	64.0	67.1	66.4	59.3	49.6	48.0	54.2	55.3	53.8	54.3	55.3	54.8	55.4	56.4	58.5	61.0	59.7	57.8	56.1	52.3	49.1	46.4	44.9	45.3	44.2	33.4
16/01/2025 15:30	67.8	72.8	61.1	63.5	67.2	66.3	60.9	52.9	47.1	51.6	53.3	53.7	53.8	54.6	54.0	55.6	56.7	59.2	61.6	60.2	58.4	56.6	52.7	49.2	46.1	44.2	44.4	42.6	31.6
16/01/2025 15:45	68.7	86.6	62.8	63.8	67.4	66.9	59.4	49.6	46.0	50.9	53.4	53.3	53.3	54.2	53.8	55.3	56.6	59.3	61.7	60.6	60.5	57.2	54.3	53.2	49.4	49.4	50.4	48.8	36.2
16/01/2025 16:00	68.0	72.9	61.9	65.0	68.4	67.4	60.3	49.4	47.0	52.1	53.1	54.2	54.7	54.7	54.0	55.5	56.7	59.3	61.8	60.4	58.6	56.7	52.6	49.1	46.4	44.4	44.8	42.6	31.2
16/01/2025 16:15	67.7	75.2	62.1	64.4	68.8	67.2	61.1	50.6	48.3	53.0	54.1	53.8	53.7	54.5	53.9	55.4	56.4	59.0	61.3	60.2	58.4	56.4	52.5	49.2	46.5	44.8	45.3	43.0	31.7
16/01/2025 16:30	70.1	95.5	60.3	63.6	67.7	66.5	57.7	49.2	48.2	51.9	53.2	53.7	53.8	54.9	54.1	55.3	56.7	59.7	62.4	61.2	60.1	57.4	57.5	57.9	59.3	54.9	55.5	52.3	40.8
16/01/2025 16:45	68.3	79.7	62.7	64.5	68.0	68.2	61.8	54.0	49.6	57.6	59.6	56.5	56.3	57.6	56.3	57.2	56.3	59.6	62.0	60.7	58.8	56.8	52.8	49.4	47.0	45.3	45.9	43.8	33.3
16/01/2025 17:00	67.8	75.0	62.8	65.6	68.9	66.1	59.7	55.4	46.2	55.4	54.1	54.1	54.0	54.7	54.2	55.2	56.5	59.2	61.5	60.2	58.5	56.5	52.5	49.0	46.2	44.0	44.7	42.4	31.3
16/01/2025 17:15	68.5	76.8	64.2	64.5	67.6	66.0	60.5	50.8	47.6	53.8	55.0	54.5	54.8	55.6	54.9	56.0	57.2	60.0	62.3	61.0	59.2	57.1	53.7	49.8	47.2	45.7	46.2	44.0	33.0
16/01/2025 17:30	68.6	78.2	61.2	63.7	68.8	66.6	58.4	48.3	49.0	51.5	55.3	56.5	56.6	57.6	56.2	55.8	57.1	60.0	62.4	61.0	59.1	57.0	52.9	49.5	46.8	44.8	45.3	43.3	32.1
16/01/2025 17:45	67.9	73.5	62.0	64.4	67.9	66.6	58.6	50.2	46.4	50.4	53.5	53.6	54.0	54.7	54.1	55.3	56.4	59.2	61.8	60.6	58.4	56.3	52.2	48.9	45.9	44.0	44.5	42.3	31.1
16/01/2025 18:00	67.5	72.7	59.6	62.0	66.0	66.7	58.5	48.9	45.6	50.6	52.1	52.4	53.1	53.7	53.0	54.6	55.8	58.6	61.5	60.3	58.3	56.1	51.9	48.2	45.3	43.1	43.4	41.2	30.0
16/01/2025 18:15	68.3	86.7	60.4	62.6	66.7	64.6	57.2	49.1	48.1	49.9	55.9	62.5	60.6	59.9	56.1	57.6	56.8	59.2	61.8	60.4	58.6	56.5	52.4	49.0	46.5	45.4	46.4	44.7	34.5
16/01/2025 18:30	67.2	74.2	59.3	61.8	66.9	65.7	57.5	49.2	44.7	50.0	51.4	52.5	53.0	53.6	53.2	54.6	56.0	58.7	61.1	59.7	57.8	55.7	51.4	48.0	45.0	43.0	43.6	41.5	30.5
16/01/2025 18:45	66.6	72.8	58.4	61.1	66.0	65.7	62.3	50.1	51.5	56.4	55.1	52.5	53.0	53.5	52.9	54.2	55.0	57.9	60.5	59.3	57.4	55.3	51.1	47.5	44.4	42.3	42.9	40.7	29.7
16/01/2025 19:00	67.6	86.6	59.1	61.1	65.6	64.2	59.0	49.8	46.7	55.4	58.0	57.0	57.6	58.7	57.3	55.1	56.3	58.8	61.1	59.7	58.1	56.2	52.2	49.5	46.8	45.0	45.4	43.3	32.1
16/01/2025 19:15	66.4	79.2	59.9	61.4	63.0	61.9	56.0	46.1	44.2	51.9	50.8	54.6	53.8	54.4	53.9	54.4	55.6	58.2	60.2	58.8	56.9	54.9	50.8	47.3	44.6	43.0	43.6	41.5	30.2
16/01/2025 19:30	66.1	79.0	58.0	60.2	63.7	62.7	57.6	45.5	44.1	53.0	51.7	53.6	54.0	55.9	55.4	53.7	54.5	57.4	60.0	58.5	56.6	54.4	50.1	46.8	44.2	41.8	42.6	40.5	29.6
16/01/2025 19:45	66.6	84.0	57.4	59.6	64.5	63.1	56.7	45.8	45.1	53.4	53.0	54.1	55.2	57.4	54.7	53.6	55.2	57.8	60.2	59.1	57.2	55.0	50.9	47.6	44.8	43.1	43.6	41.4	30.1
16/01/2025 20:00	66.8	89.3	57.9	61.1	63.4	64.1	58.8	51.0	48.2	52.7	50.9	56.9	51.0	53.1	53.6	53.9	55.9	57.9	60.6	59.6	56.6	55.1	51.9	49.1	46.2	45.0	47.4	45.7	33.9
16/01/2025 20:15	64.7	76.0	55.9	57.6	61.9	60.6	54.9	44.6	40.8	46.5	48.2	49.6	50.0	50.9	50.4	52.1	53.4	56.1	58.6	57.2	55.4	53.4	49.2	45.6	42.6	40.2	40.9	39.0	27.3
16/01/2025 20:30	64.2	73.1	53.8	57.3	60.8	60.2	52.9	42.1	41.8	46.4	51.3	50.5	49.8	50.9	50.5	51.9	53.1	55.4	57.9	56.9	54.9	53.1	49.0	45.3	42.1	40.0	40.6	37.7	26.1
16/01/2025 20:45	65.1	74.4	56.6	58.5	61.6	61.9	56.0	43.7	42.0	47.3	49.8	50.5	50.4	51.4	51.3	53.0	54.3	56.8	58.6	57.6	55.9	54.0	49.9	46.3	43.3	41.0	40.9	38.2	26.4
16/01/2025 21:00	64.6	74.7	58.7	57.7	62.2	62.0	54.4	45.4	45.4	46.5	50.7	51.1	50.5	51.4	51.0	52.8	54.1	56.2	58.2	56.9	55.2	53.2	49.3	46.0	43.3	40.9	40.6	37.9	26.6
16/01/2025 21:15	65.2	72.8	54.3	56.7	60.7	60.6	52.4	43.6	41.9	46.7	49.7	50.7	50.8	51.8	51.6	53.1	54.2	56.8	58.7	57.8	56.1	54.1	50.1	46.7	43.9	41.5	41.1	38.6	26.9
16/01/2025 21:30	64.6	77.2	55.6	58.5	62.3	61.0	54.0	48.9	43.0	54.3	50.6	53.0	52.7	54.2	54.2	53.1	53.9	56.0	58.0	56.8	55.0	53.1	49.4	46.4	44.2	42.1	41.7	39.0	27.6
16/01/2025 21:45	64.6	75.9	56.1	58.0	60.4	58.2	55.6	43.4	43.3	51.1	51.8	55.1	53.4	53.0	51.7	52.5	53.5	55.7	57.9	56.8	55.0	53.4	49.9	47.1	45.1	43.3	43.6	41.0	29.0
16/01/2025 22:00	64.5	74.7	57.4	58.0	61.5	59.7	55.8	45.7	44.1	54.8	55.0	53.9	52.8	52.2	52.0	52.9	53.6	55.5	57.6	56.6	54.9	53.4	50.4	47.6	45.6	43.8	43.4	40.3	28.6
16/01/2025 22:15	63.7	78.3	57.4	57.2	61.3	58.0	54.2	46.1	42.8	55.2	51.1	53.9	52.9	54.8	55.0	51.8	52.5	54.5	57.0	55.8	53.9	52.4	48.8	46.1	44.1	41.8	41.5	38.8	27.4
16/01/2025 22:30	62.8	73.2	56.8	57.0	60.1	61.4	52.0	46.2	48.2	47.6	53.2	52.7	50.3	50.0	49.7	50.5	51.4	53.7	56.3	55.1	53.3	51.9	48.3	45.4	43.3	41.3	41.3	38.6	27.0
16/01/2025 22:45	67.9	93.5	54.8	56.1	61.1	58.0	52.2	48.9	44.0	48.4	53.1	54.7	53.7	53.9	55.4	54.8	55.4	56.9	59.2	59.3	57.3	59.0	56.9	53.6	50.4	50.9	53.8	52.4	39.2
16/01/2025 23:00	65.1	88.7	59.3	58.8	61.4	60.3	57.3	50.2	44.1	56.6	55.0	58.4	57.1	60.4	56.6	52.2	53.6	54.3	56.3	55.8	55.7	54.4	51.1	49.9	48.0	45.3	44.8	42.0	30.0
16/01/2025 23:15	60.8	72.5	57.7	58.2	60.3	59.7	55.7	45.0	45.0	49.5	52.2	52.3	49.8	50.0	49.2	49.7	50.4	52.3	53.7	52.3	50.9	49.4	46.3	44.2	42.9	41.3	41.6	38.5	26.4
16/01/2025 23:30	60.2	72.8	54.8	56.5	60.0	57.7	50.2	43.3	42.9	48.3	51.3	51.3	49.1	49.5	48.4	48.8	49.3	51.2	53.5	52.0	50.2	48.7	45.4	43.0	41.9	40.6	40.9	38.1	25.7
16/01/2025 23:45	59.7	72.1	56.8	57.4	59.1	59.3	53.1	46.8	43.5	48.8	51.5	51.2	49.1	49.0	48.1	48.4	49.0	51.1	52.7	51.1	49.7	48.1	45.2	43.2	42.2	41.2	41.6	38.8	26.6
17/01/2025 00:00	61.1	74.8	56.8	57.5	62.1	58.2	50.4	44.5	44.3	50.1	52.7	53.5	49.9	49.9	49.1	49.5	49.6	52.0	54.3	53.2	51.4	49.8	46.5	44.2	43.1	41.7	42.0	39.1	26.9
17/01/2025 00:15	59.8	72.7	55.1	57.0	58.9	61.4	51.9	44.4	43.1	48.9	51.5	51.2	49.1	49.4	48.5	48.8	49.1	51.1	52.6	51.3	49.8	48.3	45.2	43.2	42.4	41.3	41.8	38.9	26.8
17/01/2025 00:30	59.0	70.6	54.0	55.6	58.5	58.9	49.6	43.2	43.0	48.9	51.5	51.1	48.8	49.1	48.0	47.9	48.0	49.3	51.7	50.5	48.9	47.7	44.9	42.9	42.1	40.9	41.2	38.3	26.1
17/01/2025 00:45	58.4	70.9	53.8	55.1	57.9	55.9	50.3	43.3	43.0	49.7	51.8	51.3	49.0	49.1	48.1	47.6	47.5	48.4	50.5	49.5	48.0	47.3	45.1	43.3	42.9	42.0	42.1	39.3	27.8
17/01/2025 01:00	60.6	77.6	53.0	54.7	57.2	55.4	49.0	42.1	42.2	48.3	50.9	50.6	48.6	49.2	48.5	48.9	49.8	51.6	53.6	52.8	50.9	49.4	46.4	43.8	42.5	41.2	41.2	38.5	26.5
17/01/2025 01:15	58.1	71.9	53.6	54.8	56.3	54.0	48.1	41.2	41.4	47.4	49.9	49.6	47.7	48.1	47.3	47.8	48.4	49.0	50.0	49.0	47.8	46.8	44.4	42.8	42.2	41.0	41.1	38.2	26.0

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																									
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
17/01/2025 01:30	57.3	70.3	50.4	52.1	54.6	54.0	47.2	40.5	41.0	47.2	49.9	49.5	47.4	48.1	47.3	47.2	47.0	48.2	49.5	48.0	46.8	46.1	43.6	41.9	41.3	40.2	40.5	37.5	25.4
17/01/2025 01:45	56.4	68.5	49.8	50.9	53.9	51.9	46.7	40.2	39.8	46.4	49.1	48.9	46.7	47.4	46.6	46.3	46.1	47.1	48.3	47.0	46.1	45.1	42.7	40.9	40.3	39.1	39.5	36.5	24.4
17/01/2025 02:00	57.1	74.2	56.3	54.5	54.7	53.0	46.6	42.0	39.9	46.1	48.8	48.7	46.6	47.4	47.5	47.1	47.9	48.9	48.6	47.9	46.6	45.5	43.0	41.2	40.5	39.6	39.9	36.8	24.7
17/01/2025 02:15	55.9	70.3	50.1	50.7	54.9	57.6	45.8	40.5	40.7	45.2	48.9	47.6	45.6	46.6	45.6	45.5	45.7	46.7	48.1	46.7	45.6	44.3	41.9	40.1	39.7	39.0	39.4	36.5	25.2
17/01/2025 02:30	53.9	69.1	48.8	48.6	49.6	48.2	43.0	38.8	37.5	43.0	46.0	46.1	43.9	44.8	44.0	44.0	43.7	44.7	45.6	44.8	43.3	42.4	40.1	38.8	38.4	37.4	37.8	34.9	22.8
17/01/2025 02:45	56.3	71.5	53.2	52.6	54.2	54.3	54.9	39.4	39.2	43.6	46.4	46.6	45.3	45.7	44.9	45.5	45.9	47.3	49.3	47.9	45.9	44.8	42.1	40.1	39.1	38.0	38.2	35.4	23.3
17/01/2025 03:00	56.0	71.8	54.0	55.0	64.3	52.9	46.4	38.9	38.1	44.0	46.9	47.6	45.2	46.0	45.5	46.9	48.5	48.6	47.7	46.1	44.7	43.8	41.5	39.8	39.3	38.4	38.3	35.3	23.5
17/01/2025 03:15	54.5	71.7	51.9	51.0	55.0	47.9	42.8	37.8	36.6	42.1	45.7	45.5	44.0	44.4	43.8	44.8	45.6	45.9	46.4	45.6	43.7	42.8	40.2	38.7	38.0	37.1	37.0	33.9	22.0
17/01/2025 03:30	54.8	69.4	47.7	47.6	51.9	49.9	45.8	35.8	35.3	40.8	43.7	44.2	42.7	43.4	42.5	43.6	44.3	46.2	48.1	46.2	45.1	43.6	40.4	38.3	37.3	35.7	35.6	32.3	20.0
17/01/2025 03:45	55.5	70.6	48.7	51.1	52.7	47.4	41.3	35.4	34.7	40.2	43.1	43.9	42.0	43.4	42.5	43.5	45.1	46.6	48.7	47.9	45.5	44.3	41.3	38.5	37.1	35.3	35.0	31.8	19.6
17/01/2025 04:00	56.3	76.0	52.9	57.4	57.2	53.1	44.0	36.9	36.5	42.3	44.0	45.0	44.2	48.4	44.0	46.6	48.2	49.0	48.3	47.1	45.6	44.1	42.0	39.7	38.8	37.6	38.2	35.5	23.0
17/01/2025 04:15	59.3	79.1	54.2	53.0	56.3	53.5	52.4	43.2	41.2	50.6	47.3	51.4	48.4	51.0	49.3	48.8	50.5	50.7	50.4	49.8	48.2	47.3	45.3	43.0	43.2	44.5	45.3	42.8	31.8
17/01/2025 04:30	58.7	77.7	56.0	59.3	62.3	61.2	48.3	42.3	38.6	46.9	48.9	47.7	49.5	53.7	54.6	50.1	48.9	50.1	50.2	49.0	47.2	45.5	43.5	40.8	39.9	39.3	40.7	38.5	27.6
17/01/2025 04:45	56.9	72.2	55.2	56.2	57.3	56.3	47.4	36.3	35.7	40.8	43.0	43.2	42.2	44.8	44.1	44.8	46.4	48.4	50.3	48.8	47.0	45.9	42.6	39.7	38.0	36.5	35.9	32.6	20.8
17/01/2025 05:00	59.8	77.4	56.8	63.0	60.6	56.7	50.6	38.9	38.0	42.4	44.7	45.2	46.4	50.5	46.2	48.5	50.3	51.5	53.2	52.0	49.8	48.1	44.7	41.8	39.9	37.8	37.3	34.5	22.7
17/01/2025 05:15	61.1	73.3	58.7	58.2	63.9	60.5	48.4	39.3	41.1	47.3	50.2	48.4	47.5	48.3	48.7	50.2	50.9	52.8	54.5	53.2	51.3	49.3	46.2	43.3	41.1	39.3	39.7	36.9	25.5
17/01/2025 05:30	61.3	73.4	53.3	55.2	57.3	60.5	54.3	43.6	39.3	43.9	52.4	46.8	46.6	47.6	47.2	48.3	49.8	52.7	55.0	53.7	52.0	50.3	46.9	43.1	40.2	37.7	37.4	34.7	23.1
17/01/2025 05:45	62.1	74.4	56.9	56.4	63.3	59.6	50.1	41.5	39.8	43.5	45.2	45.8	47.5	49.4	47.8	49.2	50.8	53.7	55.7	54.6	52.8	50.9	47.0	43.5	40.8	38.8	39.1	36.8	26.5
17/01/2025 06:00	63.1	73.7	58.6	59.4	60.1	60.2	54.3	43.1	42.3	45.4	48.0	47.7	48.2	49.3	48.7	50.5	52.1	54.8	56.8	55.4	53.9	51.9	48.0	44.7	42.2	40.3	40.9	38.5	27.9
17/01/2025 06:15	64.6	74.8	61.7	61.3	66.0	65.0	55.6	45.7	42.7	48.8	50.2	50.6	49.7	51.3	51.0	52.8	54.1	56.2	58.2	56.7	55.2	53.2	49.5	46.2	43.7	42.0	43.0	40.4	31.1
17/01/2025 06:30	65.4	72.8	59.9	60.4	64.6	65.0	56.2	47.1	43.6	48.6	49.6	51.5	50.7	52.0	51.4	53.4	54.6	56.8	59.2	57.9	56.0	54.1	50.1	46.6	43.9	42.1	42.9	40.6	29.5
17/01/2025 06:45	66.6	78.7	62.1	63.1	67.0	66.2	58.9	48.3	45.1	50.7	51.9	52.4	52.3	53.4	52.7	54.4	56.0	58.2	60.4	58.9	57.1	55.2	51.4	48.0	45.3	43.6	44.0	41.5	30.5
17/01/2025 07:00	66.9	75.8	61.6	63.6	68.6	65.4	61.2	50.3	47.7	53.8	54.6	52.4	52.9	53.9	52.9	54.5	55.5	58.1	60.5	59.4	57.6	55.8	51.9	48.5	45.6	43.7	44.4	42.0	30.6
17/01/2025 07:15	67.6	74.1	63.0	64.2	67.7	67.2	58.0	49.3	46.9	51.1	53.4	53.3	53.7	54.3	53.5	55.0	56.3	59.0	61.4	60.0	58.4	56.5	52.5	49.2	46.3	44.5	45.1	42.6	32.0
17/01/2025 07:30	67.6	76.9	62.4	63.8	68.4	67.3	61.8	49.3	48.0	54.0	52.9	54.0	54.0	54.9	54.6	55.5	56.3	58.8	61.2	60.0	58.2	56.3	52.5	48.9	46.1	44.2	44.8	42.3	31.2
17/01/2025 07:45	68.0	73.5	62.3	63.7	68.0	66.1	60.0	53.6	46.8	54.3	55.7	53.6	53.6	54.9	54.2	55.4	56.8	59.2	61.7	60.5	58.7	56.8	52.9	49.3	46.5	45.0	45.5	42.9	31.4
17/01/2025 08:00	67.7	73.5	61.2	63.5	67.2	65.2	59.0	50.8	45.2	51.4	53.3	53.6	53.3	54.3	53.7	55.1	56.3	58.8	61.4	60.2	58.5	56.8	52.9	49.2	46.1	44.2	44.0	41.6	29.8
17/01/2025 08:15	67.8	75.5	61.6	64.3	69.5	68.5	61.7	49.7	46.9	52.8	57.1	56.1	54.6	55.1	54.4	55.8	57.0	59.4	61.4	60.1	58.4	56.5	52.6	49.2	46.5	44.8	45.4	43.1	35.9
17/01/2025 08:30	67.7	72.7	61.4	64.2	69.6	65.9	58.7	48.3	45.9	49.9	52.1	53.0	53.3	54.4	53.6	55.1	56.4	59.0	61.3	60.0	58.4	56.6	52.7	49.5	48.6	47.6	45.6	42.0	30.6
17/01/2025 08:45	67.9	74.3	61.3	63.8	66.6	65.9	58.2	48.3	45.4	50.4	53.1	53.8	53.5	54.8	54.3	55.9	57.0	59.4	61.6	60.2	58.5	56.8	52.9	49.9	48.0	46.2	44.8	42.0	30.5
17/01/2025 09:00	68.2	78.5	61.2	63.8	67.4	67.6	58.7	51.1	45.8	51.4	52.7	53.6	53.6	54.9	54.3	56.0	57.2	59.7	61.7	60.4	58.8	57.0	53.1	49.7	47.4	47.2	48.4	48.1	37.5
17/01/2025 09:15	67.7	74.8	61.7	63.4	68.1	65.5	59.4	47.3	45.7	51.1	52.7	53.7	53.2	54.3	53.9	55.3	56.5	58.9	61.1	59.7	58.2	56.5	52.8	51.0	49.9	50.2	47.2	42.8	31.0
17/01/2025 09:30	67.9	76.1	61.2	62.7	69.7	66.3	58.6	48.2	47.6	51.1	56.5	55.3	53.7	54.9	54.4	56.2	57.4	59.7	61.5	60.1	58.4	56.6	52.7	49.6	48.1	46.1	45.1	42.4	30.9
17/01/2025 09:45	67.3	76.5	61.1	62.2	66.4	65.9	58.2	47.4	46.6	50.4	53.0	53.5	52.8	54.3	53.8	55.0	56.3	58.7	60.9	59.7	57.8	55.9	52.1	49.7	49.9	47.6	45.4	42.1	31.1
17/01/2025 10:00	67.1	73.1	61.2	62.5	67.8	65.4	58.1	47.5	44.5	49.7	52.4	52.8	52.9	53.9	53.5	54.9	56.2	58.6	60.7	59.4	57.7	55.9	52.0	48.6	46.1	44.1	44.1	41.3	29.6
17/01/2025 10:15	67.5	77.3	61.0	62.2	65.4	65.3	58.4	47.7	45.4	53.3	52.7	54.1	53.1	54.0	53.5	55.0	56.3	59.0	61.2	59.6	58.0	56.2	52.2	49.3	49.6	51.4	46.6	42.8	31.8
17/01/2025 10:30	72.3	97.9	61.1	63.4	68.9	65.7	58.0	47.8	47.1	53.6	52.9	53.5	53.1	54.2	53.8	55.3	57.2	59.5	61.4	60.5	59.8	61.0	61.2	60.3	60.5	61.2	64.0	62.0	48.9
17/01/2025 10:45	67.2	74.0	64.7	64.9	69.0	66.9	58.5	47.9	46.1	51.1	53.8	53.6	53.7	54.4	53.7	55.2	56.4	58.8	60.9	59.5	57.9	55.9	51.9	48.5	45.7	44.1	44.7	42.3	31.9
17/01/2025 11:00	66.6	75.0	62.2	63.7	66.7	65.8	59.5	48.2	45.6	50.4	53.5	53.7	53.2	54.1	53.4	54.7	55.9	58.1	60.3	58.9	57.2	55.3	51.3	47.8	44.7	42.8	44.8	42.9	30.1
17/01/2025 11:15	67.1	74.2	60.8	63.4	66.5	66.6	58.7	49.5	49.2	51.8	54.5	55.2	54.8	54.7	54.0	55.1	56.1	58.4	60.8	59.4	57.7	55.9	52.0	48.6	46.2	44.9	44.8	42.3	31.1
17/01/2025 11:30	67.5	82.6	62.6	64.2	68.2	66.1	59.2	48.7	47.6	53.2	54.8	54.8	54.5	55.3	54.7	55.7	56.7	59.0	61.2	59.8	58.1	56.2	52.2	48.7	45.9	44.1	44.6	42.3	32.4
17/01/2025 11:45	67.2	74.7	60.5	63.0	67.5	66.0	59.2	49.1	46.2	51.8	54.2	54.4	53.6	54.6	54.0	55.0	56.0	58.6	61.0	59.6	57.8	56.0	52.0	48.4	45.4	43.3	43.6	41.3	29.8
17/01/2025 12:00	67.8	77.0	62.0	64.4	68.2	67.3	59.9	49.9	47.6	53.6	57.7	55.1	54.8	57.3	55.4	55.6	56.8	59.3	61.5	60.1	58.4	56.5	52.5	49.0	46.4	44.8	45.2	43.0	32.1
17/01/2025 12:15	67.6	80.4	62.2	64.3	67.8	66.3	58.4	52.6	56.0	56.9	56.4	55.9	55.1	55.7	54.2	55.1	56.3	59.0	61.3	59.8	58.1	56.2	52.2	48.8	46.2	45.0	45.9	43.8	32.3

Measurement Results

Project Number: P1630
Client: Anara Property Ltd
Site Location: 299 Brighton Road

Instrumentation	Serial No.
Rion NL-52 Sound Level Meter	00710388
Rion NH-25 Pre-amp	10931
Rion UC-59 Microphone	19664
Rion NC-75 Calibrator	35146217

Calibration prior to survey:	94.0 dB (re 94.0)
Calibration after survey:	94.0 dB (re 94.0)

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																										
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
14/01/2025 14:30	37.1	52.0	49.1	50.2	46.0	43.5	31.8	27.5	34.2	28.8	34.5	34.9	34.1	27.4	27.4	26.1	27.1	29.2	30.2	27.4	27.1	23.2	19.7	16.5	12.3	9.1	8.6	9.1	9.5
14/01/2025 14:45	37.9	58.8	45.2	46.8	44.4	42.7	27.8	27.9	35.7	31.4	35.2	34.5	36.3	29.6	29.8	28.6	28.2	29.8	30.5	27.7	27.3	23.4	19.5	16.4	12.1	8.9	8.5	9.1	9.5
14/01/2025 15:00	36.9	43.0	46.2	48.9	44.9	43.7	28.5	25.2	31.2	27.5	30.8	31.2	32.7	26.4	26.1	25.5	26.6	29.2	30.5	27.7	27.4	23.8	19.9	16.9	12.5	8.9	8.5	9.0	9.5
14/01/2025 15:15	37.0	46.8	46.3	51.1	45.8	44.0	27.9	27.1	31.2	25.3	32.7	32.9	33.5	26.8	26.3	25.8	26.7	29.2	30.4	27.7	27.3	23.5	19.9	16.7	12.4	8.9	8.5	9.1	9.5
14/01/2025 15:30	37.6	50.5	45.4	49.5	45.9	43.1	27.7	29.2	32.8	26.0	33.5	33.4	33.9	29.6	27.3	26.4	27.2	29.7	30.8	28.0	27.8	23.9	20.2	17.1	12.5	8.9	8.5	9.1	9.5
14/01/2025 15:45	37.9	57.6	44.7	48.0	45.2	40.5	27.1	30.9	32.0	26.5	36.6	34.1	38.4	27.7	28.1	26.1	27.0	29.5	30.6	28.0	27.9	24.0	20.3	17.1	12.6	8.9	8.4	9.0	9.5
14/01/2025 16:00	38.1	48.7	46.1	49.3	46.5	43.4	29.3	28.5	32.8	29.9	36.2	35.2	33.5	27.7	27.5	26.5	27.6	30.2	31.3	28.6	28.4	24.7	21.0	17.9	13.1	9.2	8.5	9.0	9.5
14/01/2025 16:15	36.8	42.0	45.1	49.5	46.0	44.0	28.2	26.2	30.7	24.0	31.6	32.1	32.6	26.3	25.8	25.2	26.4	29.1	30.3	27.6	27.3	23.5	19.9	16.8	12.3	8.9	8.5	9.1	9.5
14/01/2025 16:30	37.4	49.4	46.2	51.1	48.4	43.6	27.7	27.9	32.9	27.0	33.7	34.4	33.6	27.3	27.0	25.8	26.8	29.3	30.6	28.0	27.7	24.0	20.5	17.6	13.1	9.4	8.6	9.1	9.5
14/01/2025 16:45	38.0	56.7	45.1	48.5	45.8	43.4	28.8	28.3	37.0	28.2	32.8	36.4	36.7	30.8	28.9	25.9	27.2	29.6	31.0	28.1	28.1	24.3	20.6	17.6	13.1	9.2	8.5	9.1	9.5
14/01/2025 17:00	37.6	47.5	47.6	48.6	46.6	44.6	29.8	27.2	34.7	25.7	31.4	32.6	33.2	26.7	26.5	25.8	27.0	29.7	31.3	28.4	28.2	24.7	20.9	17.8	13.2	9.2	8.5	9.1	9.4
14/01/2025 17:15	37.6	44.6	45.7	49.1	45.4	42.2	28.3	25.7	31.5	25.7	32.4	32.6	32.8	26.6	26.4	25.9	27.0	29.7	31.2	28.5	28.4	24.8	20.9	17.8	13.0	9.2	8.5	9.1	9.4
14/01/2025 17:30	37.5	46.0	45.8	48.5	45.0	42.9	27.7	27.1	32.0	25.4	31.9	32.4	33.1	26.8	26.1	25.5	26.7	29.5	31.1	28.3	28.3	24.7	20.7	17.6	12.8	9.1	8.5	9.1	9.4
14/01/2025 17:45	37.2	47.9	44.3	47.4	45.2	42.5	27.7	25.7	30.8	25.9	30.9	32.2	32.2	26.0	25.8	25.4	26.3	29.0	30.8	28.2	28.1	24.5	20.6	17.5	12.7	9.1	8.5	9.0	9.4
14/01/2025 18:00	37.0	42.4	46.0	49.5	45.8	42.1	27.1	23.4	30.3	22.9	29.7	30.7	31.8	25.4	25.3	25.0	26.2	29.0	30.8	28.0	27.9	24.3	20.2	17.1	12.4	8.9	8.4	9.0	9.4
14/01/2025 18:15	41.0	66.1	43.9	47.8	44.4	41.8	27.9	24.3	31.6	24.2	30.5	31.2	32.4	26.6	26.2	26.3	28.4	30.4	32.6	29.7	30.9	29.3	30.8	31.7	28.6	24.1	17.3	13.0	10.7
14/01/2025 18:30	37.3	49.8	44.5	47.2	43.6	41.2	26.3	25.4	34.0	24.3	30.6	31.4	32.8	25.4	25.6	25.2	26.3	29.5	31.0	28.3	28.3	24.3	20.3	17.2	12.4	9.0	8.4	9.0	9.4
14/01/2025 18:45	37.1	54.6	43.6	46.1	43.2	40.4	25.8	24.6	32.1	25.3	29.8	31.7	31.8	25.6	26.4	26.3	26.3	29.1	30.7	27.9	27.8	24.3	20.4	17.3	12.5	8.9	8.4	9.0	9.4
14/01/2025 19:00	36.3	46.0	42.9	45.1	42.3	39.9	27.9	27.7	30.6	25.4	30.0	30.8	32.1	25.0	24.9	24.2	25.5	28.5	30.0	26.9	27.0	23.4	19.7	16.7	12.1	8.8	8.4	9.0	9.4
14/01/2025 19:15	36.0	42.2	43.0	46.5	44.1	40.6	25.2	25.8	29.4	22.2	29.2	29.9	30.6	24.7	24.4	24.1	25.4	28.4	29.8	26.6	26.7	23.1	19.3	16.4	11.8	8.7	8.4	9.0	9.4
14/01/2025 19:30	35.4	42.5	41.6	43.4	40.1	37.7	25.0	21.5	29.0	22.4	27.8	28.7	29.8	23.7	24.0	23.7	25.0	27.7	29.1	26.4	26.2	22.8	19.3	16.5	11.7	8.7	8.4	9.0	9.4
14/01/2025 19:45	36.0	42.9	42.4	44.8	41.5	39.8	24.8	22.0	29.0	21.5	28.3	29.3	30.5	24.1	24.3	24.1	25.4	28.3	29.8	26.9	26.9	23.4	19.7	16.8	12.0	8.8	8.4	9.0	9.4
14/01/2025 20:00	37.4	62.5	43.3	44.9	43.0	39.1	27.5	23.1	30.5	30.3	40.6	39.7	33.6	30.5	28.8	25.5	25.4	28.1	29.0	26.2	26.2	22.6	19.1	16.3	11.7	8.8	8.4	9.0	9.4
14/01/2025 20:15	34.1	41.4	39.9	43.3	40.4	36.5	21.1	20.8	29.4	20.4	27.6	28.2	28.7	22.8	23.2	22.7	23.5	26.1	27.7	24.9	25.0	21.3	17.7	15.1	10.9	8.4	8.4	9.0	9.4
14/01/2025 20:30	33.8	53.1	40.2	43.2	41.1	35.4	23.4	21.7	27.3	24.5	32.1	31.2	30.8	27.7	26.2	21.4	22.4	24.8	26.7	23.9	23.8	20.4	16.8	14.2	10.3	8.3	8.3	9.0	9.4
14/01/2025 20:45	33.0	41.5	41.6	41.6	38.5	36.2	23.5	19.1	26.6	19.3	26.3	27.7	28.0	21.5	21.7	21.2	22.4	25.1	26.6	24.0	23.8	20.2	16.5	13.9	10.1	8.2	8.3	9.0	9.4
14/01/2025 21:00	33.3	44.0	41.8	43.0	39.7	35.8	23.6	20.5	27.7	21.2	27.6	28.2	28.5	21.8	21.7	21.3	22.6	25.6	27.1	24.0	24.1	20.4	16.7	14.0	10.1	8.2	8.3	9.0	9.4
14/01/2025 21:15	37.9	59.5	39.9	41.8	42.1	38.6	28.6	33.8	38.3	34.2	38.1	36.4	33.6	27.2	28.5	26.2	26.8	29.1	31.1	28.5	27.6	22.5	20.6	19.7	13.0	11.8	9.3	9.4	9.5
14/01/2025 21:30	33.4	42.4	41.6	41.9	40.1	37.5	21.1	22.4	28.0	22.0	29.1	29.3	29.3	22.4	22.3	21.7	22.8	25.4	27.0	23.9	23.9	20.4	16.6	13.8	10.0	8.2	8.3	9.0	9.4
14/01/2025 21:45	34.2	52.5	42.4	45.4	41.8	39.3	27.1	29.4	32.0	27.3	35.4	33.1	30.7	23.5	23.0	22.2	23.1	25.7	27.1	24.2	24.3	20.8	17.2	14.6	10.7	8.4	8.4	9.0	9.4
14/01/2025 22:00	33.3	42.4	43.5	45.3	40.6	36.7	25.9	25.2	31.4	28.0	32.5	31.6	30.7	23.2	22.7	22.2	22.9	24.5	26.1	23.5	23.3	20.0	16.7	14.2	10.5	8.4	8.4	9.0	9.4
14/01/2025 22:15	32.6	48.5	42.0	44.2	39.7	36.5	23.9	22.6	30.3	24.9	32.7	31.8	30.7	22.7	23.1	21.1	21.9	24.0	25.0	22.2	22.3	19.0	15.8	13.4	10.0	8.2	8.3	9.0	9.4
14/01/2025 22:30	32.3	42.4	42.2	44.5	40.5	37.8	24.3	23.3	30.3	24.3	30.8	30.7	29.7	22.2	21.9	21.0	21.9	24.0	25.0	22.6	22.3	18.7	15.5	13.2	9.9	8.2	8.3	9.0	9.4
14/01/2025 22:45	33.6	50.3	44.9	45.5	42.5	38.5	23.7	23.8	31.9	25.8	31.9	32.2	32.4	25.0	23.6	22.6	23.5	24.8	25.9	23.4	23.2	19.9	16.7	14.3	10.9	8.7	8.4	9.0	9.4
14/01/2025 23:00	30.8	42.0	42.4	43.9	40.4	37.4	23.2	22.5	30.1	24.1	30.5	30.2	29.1	21.6	21.0	19.7	20.0	22.0	22.8	20.8	20.4	16.9	13.9	12.0	9.2	8.0	8.3	8.9	9.4
14/01/2025 23:15	29.9	39.9	41.2	42.6	38.5	33.8	24.9	21.9	29.1	24.1	29.7	29.5	28.4	21.2	20.5	18.7	19.2	21.0	22.1	19.3	19.5	16.1	13.3	11.4	8.9	7.9	8.3	8.9	9.4
14/01/2025 23:30	31.2	45.1	38.9	41.0	38.3	36.2	24.4	22.0	29.2	23.4	29.8	29.6	29.0	21.3	20.6	19.3	19.8	22.1	24.0	21.5	21.6	18.3	14.7	12.3	9.1	7.9	8.3	8.9	9.4
14/01/2025 23:45	28.0	39.1	40.0	41.8	37.0	32.2	21.6	20.1	27.8	22.2	28.6	28.5	27.2	19.8	19.3	17.6	17.6	18.6	19.2	16.9	16.9	14.0	11.6	10.1	8.2	7.8	8.3	8.9	9.4
15/01/2025 00:00	28.0	42.2	38.7	40.5	36.0	30.7	17.0	19.4	27.2	21.8	28.4	28.3	27.2	19.8	19.4	18.4	19.3	19.4	18.9	16.4	16.2	13.1	11.2	10.0	8.4	7.9	8.3	8.9	9.4
15/01/2025 00:15	30.2	45.5	37.7	39.5	35.4	30.9	20.2	20.2	27.6	21.9	28.3	28.2	27.5	20.4	20.1	18.8	19.6	21.5	23.0	20.2	20.4	17.3	14.3	12.2	9.3	8.0	8.3	9.0	9.4
15/01/2025 00:30	28.5	45.5	34.6	36.7	33.8	30.3	24.3	18.7	26.6	21.6	27.3	27.5	27.1	19.6	19.0	17.2	17.8	20.1	20.9	18.1	18.0	14.9	12.0	10.0	7.9	7.6	8.2	8.9	9.4
15/01/2025 00:45	26.7	41.0	36.2	37.4	39.8	33.4	19.8	18.2	24.8	19.4	26.1	26.2	25.1	18.3	18.2	16.5	17.1	18.3	18.4	15.3	15.1	12.2	10.4	9.2	7.9	7.7	8.2	8.9	9.4
15/01/2025 01:00	27.9	45.5	31.7	34.4	33.1	30.7	13.9	17.0	24.6	19.0	25.7	26.0	25.5	18.4	18.1	16.5	17.0	19.2	20.7	18.0	18.0	14.6	11.5	9.5	7.7	7.6	8.2	8.9	9.4
15/01/2025 01:15	27.3	41.1	34.6	36.7	30.1	29.9	19.7	15.7	23.7	18.0	24.5	24.7	24.4	17.4	17.2	16.0	16.4	18.2	19.7	17.7	18.1	14.7	11.7	9.8	7.9	7.6	8.2	8.9	9.4
15/01/2025 01:30	25.5	40.4	32.4	33.8	30.1	29.6	20.3	15.6	23.2	17.8	24.4	24.3	23.7	16.7	16.5	15.2	15.7	17.4	17.5	14.5	14.6	11.1	8.9	7.9	7.2	7.5	8.2	8.9	9.4
15/01/2025 01:45	26.1	42.2	31.5	32.4	28.8	27.5	19.3	15.1	22.3	16.7	23.6	23.5	22.8	16.3	16.2	15.4	15.6	17.3	18.5	16.1	16.2	13.5	10.8	9.0	7.5	7.5	8.2	8.9	9.4
15/01/2025 02:00	27.9	43.0	33.9	36.8	32.2	28.0	18.0	15.0	23.5	16.3	23.7	23.8	23.5	17.5	17.6	17.0	18.2	19.9	20.4	18.3	18.5	15.0	12.1	10.4	8.3	7.8	8.3	8.9	9.4
15/01/2025 02:15	26.0	43.1	37.2	38.3	34.0	25.7	14.8	16.5	21.1	15.1	22.7	23.3	22.4	15.9	16.3	16.2	18.0	17.6	17.6	15.7	15.3	13.1	11.2	10.5	8.8	8.0	8.3	9.0	9.4
15/01/2025 02:30	26.9	42.2	37.9	35.9	29.7	29.2	22.5	14.3	20.8	14.1	21.0	21.6	22.6	16.4	16.7	16.2	17.5	19.1	19.7	17.3	17.1	13.8	11.5	9.7	8.0	7.7	8.2	8.9	9.4
15/01/2025 02:45	22.7	36.3	30.3	29.3	24.4	21.5	19.5	10.9	16.8	11.7	18.1	18.2	18.3	12.8	13.5	12.7	12.7	13.8	14.8	12.6	12.6	10.0	8.8	7.9	7.2	7.5	8.2	8.9	9.4
15/01/2025 03:00	23.9	41.0	33.7	36.1	31.9	25.7	19.9	13.7	18.4	13.6	20.3	21.2	18.7	13.5	13.7	14.6	16.8	16.4	15.0	12.9	12.8	10.3	9.4	8.9	7.9	7.7	8.3	8.9	9.4
15/01/2025 03:15	24.3	41.9	37.5	37.0	36.0	27.4	15.2	14.2	20.1	14.1	18.6	20.8	19.8	13.7	14.1	14.2	16.2	16.5	16.7	13.7	13.6	10.6	8.8	8.2	7.7	7.7	8.2	8.9	9.4
15/01/2025 03:30	25.8	41.9	29.0	29.4	23.2	21.6	12.8	12.7	16.0	10.8	17.7	18.3	18.5	13.0	13.4	13.5	14.2	17.5	19.6	16.5	16.9	13.7	10.8	9.2	7.6	7.5	8.2	8.9	9.4
15/01/2025 03:45	28.1	46.6	34.0	40.4	30.2	25.9	16.2	13.5	22.8	14.8	21.0	21.2	21.7	16.3	17.0	17.3	18.9	20.6	20.5	18.3	19.1	15.8	13.4	11.6	9.1	8.2	8.3	9.0	9.4
15/01/2025 04:00	26.2	43.7	37.9	36.3	32.6	27.9	20.0	14.0	20.2	13.6	18.9	19.6	21.2	14.8	15.9	16.2	18.0	19.2	18.7	15.8	15.8	12.7	10.9	9.9	8.1	7.7	8.2	8.9	9.4
15/01/2025 04:15	26.2	41.1	31.4	32.8	25.7	26.4	18.6	11.6	16.8	12.0	18.2	18.8	19.5	13.5	14.6	14.0	15.4	18.7	19.5	16.7	16.9	13.6	11.4	10.1	7.8	7.6	8.2	8.9	9.4
15/01/2025 04:30	27.4	42.5	34.9	36.1	34.6	29.6	15.6	16.3	18.0	12.7	19.4	20.4	21.4	16.8	16.1	15.6	16.9	19.4	20.8	18.3	17.9	14.8	12.3	10.8	8.5	7.9	8.3	8.9	9.4
15/01/2025 04:45	28.4	44.3	41.8	42.1	40.7	33.2	19.6	16.9	22.1	17.4	22.7	24.2	23.4	16.8	17.7	18.8	20.3	20.9	20.5	18.0	17.8	15.1	13.6	13.0	10.7	8.8	8.5	9.1	9.4
15/01/2025 05:00	29.1	42.8	39.7	42.1	34.4	35.5	21.6	15.9	22.9	15.9	21.1	22.5	24.1	17.0	17.2	18.1	19.3	21.4	22.3	19.1	19.6	16.4	13.9	12.8	10.5	8.7	8.5	9.0	9.4
15/01/2025 05:15	30.8	43.6	39.5	40.6	39.3	38.2	21.2	19.5	22.4	20.2	25.3	25.1	24.3	19.1	19.7	18.7	20.1	23.4	24.0	21.1	21.4	17.9	15.7	14.5	11.6	9.2	8.6	9.1	9.4
15/01/2025 05:30	32.1	45.6	40.5	40.2	36.8	34.1	17.7	17.3	23.4	17.6	23.5	25.3	27.2	20.4	20.2	20.7	22.0	24.6	25.1	22.4	22.9	19.4	16.8	15.4	12.4	9.5	8.6	9.1	9.4
15/01/2025 05:45	32.0	43.7	40.3	40.3	36.2	34.6	23.6	18.5	23.6	17.1	23.4	24.2	25.7	19.8	19.9	19.7	21.2	24.3	25.3	22.8	23.1	19.6	17.1	15.5	12.6	9.6	8.7	9.2	9.4
15/01/2025 06:00	34.1	43.7	45.7	47.3	41.4	39.4	23.9	27.7	26.3	20.2	26.5	27.4	28.5	22.0	22.4	22.4	24.2	26.7	27.2	24.3	24.8	21.2	18.7	17.4	14.4	10.8	9.0	9.3	9.5
15/01/2025 06:15	35.8	52.1	44.4	45.3	42.9	37.8	27.2	25.4	27.5	25.3	36.4	34.5	29.6	28.9	29.3	23.6	24.5	27.2	28.2	25.5	25.8	22.3	19.7	17.9	14.4	10.7	9.0	9.3	9.5
15/01/2025 06:30	36.0	46.0	45.4	46.6	44.0	41.6	25.1	23.6	28.3	21.9	30.9	31.1	30.4	24.3	24.6	24.5	26.0	28.3	29.4	26.4	26.4	23.0	20.2	18.4	14.7	10.9	9.1	9.4	9.5
15/01/2025 06:45	37.5	44.0	46.4	47.7	45.5	42.7	27.5	24.4	31.7	23.7	29.7	30.4	31.3	25.5	25.7	25.5	27.0	30.0	31.2	28.3	28.5	24.8	21.6	19.2	15.4	11.4	9.0	9.4	9.5
15/01/2025 07:00	38.5	55.9	45.9	48.3	46.3	43.7	28.0	28.0	32.7	25.9	32.7	33.7	36.8	29.8	27.5	26.3	27.8	30.4	31.7	28.7	28.9	25.4	22.3	20.0	15.6	11.2	9.3	9.6	9.5
15/01/2025 07:15	38.1	45.2	48.7	52.4	49.4	46.6	29.0	28.5	35.4	27.4	32.2	33.3	33.4	27.2	26.7	26.2	27.5	30.3	31.4	28.5	28.8	25.2	22.0	19.8	15.2	10.9	9.1	9.4	9.5
15/01/2025 07:30	38.2	46.9	47.2	51.2	48.0	45.2	29.2	30.9	32.1	26.0	31.2	31.9	32.9	26.6	26.5	26.1	27.5	30.6	31.8	28.8	28.9	25.4	22.1	19.6	15.0	10.7	8.9	9.3	9.5
15/01/2025 07:45	38.3	44.2	47.5	49.3	46.1	42.2	27.6	26.7	31.9	25.8	31.6	32.2	32.7	26.6	26.6	26.2	27.6	30.6	31.9	29.1	29.4	25.8	22.3	19.7	14.9	10.5	8.9	9.3	9.5

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																									
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
15/01/2025 08:00	38.9	44.1	47.4	48.8	45.3	43.5	28.4	29.4	32.9	24.9	32.1	33.0	33.1	27.2	27.5	26.9	28.4	31.3	32.4	29.7	29.9	26.4	23.1	20.6	15.9	11.4	9.2	9.4	9.5
15/01/2025 08:15	38.8	51.9	46.1	48.9	45.9	43.6	28.3	27.9	36.3	27.1	34.4	34.8	34.3	28.0	27.4	27.0	28.0	30.7	32.1	29.4	29.7	26.2	22.8	20.2	15.4	10.9	9.0	9.3	9.5
15/01/2025 08:30	39.4	54.1	47.3	50.0	46.9	44.7	28.7	26.9	32.1	26.1	33.1	34.6	35.5	31.3	31.3	27.6	28.5	31.4	32.5	29.7	29.9	26.3	22.7	20.2	15.6	11.2	9.1	9.4	9.5
15/01/2025 08:45	38.6	49.1	52.3	49.8	46.2	41.5	26.8	28.5	31.1	25.2	31.7	33.6	33.8	27.0	27.2	26.8	28.0	30.7	32.1	29.2	29.5	26.0	22.4	19.8	15.1	10.7	9.0	9.3	9.5
15/01/2025 09:00	38.6	44.2	51.0	50.7	46.2	44.0	28.1	28.8	32.9	26.2	31.9	32.5	33.1	27.1	26.9	26.6	28.0	31.0	32.2	29.3	29.6	25.9	22.4	19.8	15.3	10.9	9.1	9.4	9.5
15/01/2025 09:15	38.0	45.1	50.6	49.1	45.8	43.4	27.4	25.2	31.6	25.1	31.6	32.3	32.6	26.7	26.7	26.6	27.6	30.4	31.6	28.6	28.8	25.0	21.6	19.2	15.0	11.0	9.0	9.3	9.5
15/01/2025 09:30	37.6	44.4	51.8	49.8	45.4	42.5	27.8	26.2	32.4	25.3	32.0	32.6	32.8	26.5	26.4	25.9	27.1	29.8	31.1	28.1	28.2	24.5	21.1	19.2	15.4	12.0	9.5	9.3	9.5
15/01/2025 09:45	37.7	49.6	50.6	48.5	45.3	41.6	26.3	26.1	34.6	26.8	33.0	33.6	33.6	28.3	27.1	26.1	27.5	29.9	31.0	28.1	28.2	24.5	20.9	18.6	14.3	10.4	8.9	9.3	9.5
15/01/2025 10:00	37.7	57.3	50.2	49.3	46.0	41.9	28.3	29.7	35.8	31.4	36.5	33.8	33.5	28.3	27.1	26.4	27.2	29.6	30.8	27.9	28.0	24.3	21.0	18.7	14.3	10.4	8.9	9.3	9.5
15/01/2025 10:15	37.6	55.1	50.0	49.0	46.6	42.0	28.3	31.1	36.2	31.7	37.4	34.2	33.2	28.5	27.3	26.3	27.3	29.7	30.6	27.7	27.8	24.1	20.8	18.4	14.0	10.2	8.9	9.3	9.5
15/01/2025 10:30	37.5	56.6	51.1	49.6	46.0	41.9	29.2	33.7	37.1	31.2	36.6	34.0	33.4	28.4	26.9	25.8	26.8	29.4	30.6	27.7	27.9	24.1	20.5	17.9	13.4	9.7	8.7	9.2	9.4
15/01/2025 10:45	37.5	55.1	49.3	50.1	45.6	43.2	29.1	28.3	35.0	29.0	36.9	34.0	34.0	28.4	27.3	25.9	26.9	29.5	30.5	27.6	27.7	23.9	20.4	18.1	13.6	9.9	8.7	9.2	9.5
15/01/2025 11:00	39.7	60.6	50.5	50.4	46.5	41.7	30.2	32.9	37.8	34.3	39.4	38.1	34.8	29.7	29.1	27.2	27.9	30.5	31.8	29.3	31.8	25.6	22.9	24.0	18.9	14.5	10.1	9.9	9.6
15/01/2025 11:15	37.5	42.9	46.5	48.0	43.9	41.4	27.6	25.7	32.9	25.9	33.4	33.2	32.9	26.5	26.3	25.8	27.1	29.8	30.9	28.0	28.1	24.2	20.7	18.1	13.4	9.6	8.6	9.1	9.4
15/01/2025 11:30	37.3	43.9	49.3	50.4	46.2	42.2	27.3	25.2	32.5	26.0	33.1	32.8	32.9	26.3	26.2	25.7	26.8	29.6	30.7	27.8	28.1	24.0	20.4	17.9	13.2	9.5	8.6	9.1	9.4
15/01/2025 11:45	36.9	42.5	45.0	47.4	44.2	41.2	27.0	27.2	32.7	28.1	32.4	33.2	32.3	25.8	25.7	25.1	26.4	29.0	30.4	27.4	27.4	23.6	19.9	17.2	12.6	9.1	8.5	9.1	9.4
15/01/2025 12:00	36.8	44.5	45.8	48.5	45.7	42.3	25.8	26.9	33.4	26.4	32.2	32.5	32.6	26.1	26.2	25.5	26.7	29.1	30.2	27.3	27.3	23.4	19.8	17.4	12.8	9.4	8.6	9.1	9.4
15/01/2025 12:15	37.4	45.0	45.8	49.5	46.1	42.7	27.2	25.7	32.9	26.3	32.3	32.4	33.0	26.3	26.1	25.7	27.0	29.9	30.9	27.8	28.0	24.0	20.1	17.4	12.7	9.2	8.5	9.1	9.4
15/01/2025 12:30	38.8	57.7	49.0	48.7	46.8	42.6	27.4	31.7	37.2	31.9	38.3	38.7	36.5	30.8	30.4	28.2	28.7	30.4	31.3	28.3	28.3	24.5	20.7	18.1	13.4	9.9	8.8	9.3	9.5
15/01/2025 12:45	37.6	51.5	46.0	48.3	44.9	42.7	26.5	26.2	31.8	24.9	35.0	35.7	33.6	26.8	26.7	26.2	27.0	29.6	30.9	28.0	27.9	24.1	20.4	17.8	12.8	9.3	8.6	9.1	9.4
15/01/2025 13:00	37.2	44.8	46.2	48.7	45.6	41.6	25.8	26.0	31.3	24.8	32.4	33.2	32.6	26.4	26.3	25.7	27.0	29.5	30.6	27.7	27.7	23.8	20.0	17.2	12.4	9.0	8.4	9.0	9.4
15/01/2025 13:15	37.2	44.4	46.1	52.3	47.8	43.2	27.0	25.5	31.3	25.0	31.2	31.9	32.7	26.4	26.2	26.0	27.1	29.5	30.8	27.8	27.8	23.9	20.0	17.0	12.3	9.0	8.5	9.0	9.4
15/01/2025 13:30	37.2	50.8	45.6	46.8	44.7	42.1	26.8	26.0	31.0	28.0	34.7	34.2	32.5	26.0	26.2	25.5	26.6	29.4	30.7	27.7	27.7	23.7	19.8	16.9	12.1	8.8	8.4	9.0	9.4
15/01/2025 13:45	36.8	44.6	45.9	47.8	45.9	42.5	27.8	30.2	31.4	26.2	31.9	32.0	32.0	25.6	25.6	25.3	26.4	29.3	30.3	27.4	27.3	23.3	19.5	16.6	11.9	8.8	8.4	9.0	9.4
15/01/2025 14:00	36.8	43.1	48.2	49.0	45.9	42.3	26.3	24.3	30.4	23.5	30.5	31.4	32.2	25.9	25.7	25.3	26.6	29.2	30.6	27.6	27.4	23.6	19.8	16.8	12.1	9.0	8.5	9.0	9.4
15/01/2025 14:15	37.8	57.1	45.7	48.7	45.3	42.2	26.8	25.7	31.8	29.0	38.9	35.9	32.9	27.8	27.9	26.3	27.1	29.7	31.1	28.0	28.0	24.1	20.3	17.3	12.8	9.5	8.6	9.1	9.4
15/01/2025 14:30	37.0	46.3	45.0	48.2	45.9	43.4	25.9	26.5	30.7	25.6	31.8	32.3	32.1	26.0	26.1	25.6	26.5	29.3	30.8	27.7	27.7	23.8	19.9	16.8	12.1	8.8	8.4	9.0	9.4
15/01/2025 14:45	37.3	47.0	44.6	47.8	44.9	41.2	26.3	25.6	31.4	24.8	32.0	32.0	32.7	26.2	26.3	25.5	26.6	29.7	31.1	28.0	27.9	24.1	20.2	17.0	12.4	9.0	8.4	9.0	9.4
15/01/2025 15:00	38.4	56.8	45.7	48.5	45.9	42.8	26.8	26.1	32.7	27.8	32.9	34.4	32.9	26.7	26.6	26.2	27.3	30.3	31.6	29.3	29.7	24.8	22.7	21.4	15.1	10.7	8.7	9.1	9.5
15/01/2025 15:15	41.8	65.8	45.5	47.7	44.1	41.0	26.7	29.2	31.3	28.1	36.4	38.6	39.2	37.4	37.7	33.1	31.1	31.4	32.0	29.8	32.0	29.3	26.7	25.5	20.0	15.7	11.6	10.9	9.7
15/01/2025 15:30	38.4	54.2	46.2	47.6	44.7	41.7	26.7	26.5	31.6	28.9	35.0	35.0	34.0	27.7	28.4	27.5	27.9	30.5	31.7	28.7	28.8	25.2	21.4	18.5	13.8	9.6	8.6	9.1	9.5
15/01/2025 15:45	37.4	45.6	48.8	48.9	45.5	42.7	26.7	26.0	32.0	24.3	31.7	32.3	32.6	26.9	26.5	26.0	26.9	29.6	31.1	28.1	28.2	24.4	20.6	17.6	12.9	9.1	8.5	9.0	9.4
15/01/2025 16:00	38.8	58.2	47.2	50.5	47.1	43.8	27.8	26.3	32.5	25.3	31.3	32.0	32.6	26.3	26.2	26.1	27.9	31.6	32.4	29.1	29.9	25.8	22.4	21.8	21.0	14.3	10.4	10.1	9.6
15/01/2025 16:15	37.9	53.8	46.5	50.8	46.2	42.5	27.9	27.2	31.3	26.2	34.0	34.0	36.0	29.2	26.8	25.9	27.1	29.9	31.0	28.1	28.3	24.5	21.0	18.1	13.3	9.4	8.6	9.1	9.4
15/01/2025 16:30	36.9	51.8	47.4	52.1	48.1	44.6	28.3	28.0	35.3	29.4	32.7	32.7	32.4	26.4	26.0	25.1	26.0	28.9	30.5	27.4	27.4	23.9	20.4	17.5	12.9	9.2	8.5	9.1	9.4
15/01/2025 16:45	37.4	45.8	45.2	50.0	45.7	42.5	27.1	29.2	37.0	27.2	31.2	32.0	32.2	26.0	25.7	25.3	26.5	29.5	31.1	28.1	28.2	24.7	21.1	18.3	13.6	9.6	8.6	9.1	9.4
15/01/2025 17:00	37.4	46.1	46.7	50.5	47.9	43.5	28.8	26.4	30.8	27.1	32.6	33.0	32.4	26.0	25.6	25.2	26.4	29.3	31.1	28.1	28.2	24.7	21.1	18.3	13.8	9.7	8.7	9.1	9.4
15/01/2025 17:15	35.7	42.2	49.1	53.5	49.5	44.7	28.3	28.0	32.5	25.6	30.8	30.7	31.2	24.5	24.2	23.5	24.6	27.6	29.1	26.1	26.3	22.9	19.4	16.7	12.5	9.2	8.6	9.1	9.4
15/01/2025 17:30	38.0	47.8	45.4	48.6	45.8	43.2	27.8	30.5	32.0	25.0	32.5	33.9	33.8	27.2	26.8	25.9	26.9	29.9	31.4	28.6	28.9	25.4	22.0	19.5	15.0	10.6	8.9	9.3	9.5
15/01/2025 17:45	38.0	48.4	46.5	49.1	46.9	43.2	29.7	31.7	36.8	33.0	33.5	33.0	33.6	27.2	26.9	25.9	26.7	29.7	31.4	28.6	28.8	25.3	21.8	19.3	14.9	10.5	8.9	9.3	9.5
15/01/2025 18:00	37.7	53.9	44.9	46.8	45.3	41.5	28.0	31.1	33.7	29.8	35.3	33.4	32.7	25.5	25.6	25.6	26.2	29.4	31.1	28.3	28.6	25.1	21.5	18.8	14.3	10.1	8.8	9.3	9.5
15/01/2025 18:15	38.2	58.4	46.5	48.6	46.2	43.1	28.8	30.5	33.3	27.2	32.2	31.9	31.2	25.3	25.4	24.9	26.0	30.3	31.0	28.3	29.6	26.0	24.7	23.9	18.6	15.5	11.7	11.3	9.7
15/01/2025 18:30	37.2	43.4	43.9	45.4	42.2	40.4	26.3	25.2	30.7	23.0	29.0	29.9	31.0	25.0	25.1	24.8	26.0	29.3	31.1	28.2	28.4	24.9	21.2	18.4	13.7	9.6	8.6	9.1	9.4
15/01/2025 18:45	37.1	47.5	43.6	45.7	42.9	41.2	26.5	25.4	29.9	23.2	29.0	31.0	31.2	25.1	25.3	24.9	25.9	29.2	30.8	27.9	28.2	24.7	21.1	18.4	14.0	9.9	8.7	9.2	9.4
15/01/2025 19:00	36.0	42.5	43.3	44.1	42.0	39.7	26.0	22.6	28.4	21.8	28.9	29.4	30.0	23.8	24.0	23.8	24.9	28.1	29.8	26.9	27.2	23.7	20.2	17.5	13.1	9.4	8.6	9.1	9.4
15/01/2025 19:15	36.3	50.2	45.0	47.8	44.4	39.6	26.3	29.6	31.1	22.9	29.2	30.8	31.5	24.5	25.5	24.4	25.1	28.1	29.8	27.0	27.2	23.7	20.3	17.8	13.6	9.8	8.7	9.2	9.4
15/01/2025 19:30	36.2	53.5	43.7	45.1	41.8	39.7	23.9	23.1	34.5	26.8	33.5	33.8	33.8	26.0	26.7	23.6	24.4	27.5	29.2	26.6	26.6	23.2	19.7	17.0	12.7	9.2	8.5	9.1	9.4
15/01/2025 19:45	35.0	47.9	41.7	43.3	40.1	38.8	22.1	22.1	27.1	21.2	28.9	30.1	29.4	24.8	27.1	23.0	23.6	26.6	28.4	25.7	25.8	22.4	19.1	16.7	12.6	9.2	8.5	9.1	9.4
15/01/2025 20:00	35.5	50.1	42.3	44.4	40.4	38.3	23.6	21.6	28.5	25.2	30.4	31.4	31.5	24.3	23.9	23.8	24.4	27.7	29.0	26.0	26.1	22.6	19.4	16.9	12.7	9.2	8.5	9.1	9.4
15/01/2025 20:15	35.0	45.1	40.1	43.2	39.9	38.0	23.9	23.6	27.1	22.2	27.8	28.1	29.2	22.9	24.2	23.0	24.2	27.0	28.4	25.9	26.1	22.5	19.2	16.7	12.2	9.0	8.5	9.0	9.4
15/01/2025 20:30	34.7	48.9	40.3	42.4	39.4	37.0	22.5	25.8	33.3	21.9	27.6	29.5	28.8	24.8	23.2	22.7	23.9	26.3	28.1	25.6	25.7	22.4	19.2	16.6	12.1	8.9	8.5	9.0	9.4
15/01/2025 20:45	34.0	46.8	41.3	41.6	37.9	36.5	21.6	22.0	28.5	22.4	26.6	27.7	29.2	21.7	22.1	22.1	23.1	25.8	27.3	25.0	25.1	21.7	18.7	16.3	11.9	8.9	8.4	9.0	9.4
15/01/2025 21:00	33.9	43.5	42.2	43.0	38.4	37.7	21.3	20.7	28.3	19.6	26.4	27.6	28.1	21.8	22.3	22.3	23.7	26.2	27.3	24.6	24.8	21.3	18.1	15.8	11.9	9.0	8.5	9.0	9.4
15/01/2025 21:15	33.8	43.4	38.3	40.1	36.8	36.2	21.1	24.6	26.8	20.1	27.1	26.8	27.8	21.5	21.9	21.6	22.6	25.6	27.4	24.9	25.0	21.6	18.1	15.4	11.2	8.5	8.4	9.0	9.4
15/01/2025 21:30	34.4	51.9	41.6	42.9	40.0	38.1	22.0	21.9	31.1	22.2	30.0	31.7	32.5	25.3	23.2	22.6	23.2	25.6	27.4	25.1	25.0	21.3	18.0	15.6	11.6	8.8	8.4	9.0	9.4
15/01/2025 21:45	33.5	41.5	41.1	41.9	41.6	35.4	21.3	23.7	27.5	21.7	27.3	27.4	28.0	21.4	22.0	21.6	22.6	25.6	26.9	24.4	24.6	20.9	17.4	14.8	11.0	8.5	8.4	9.0	9.4
15/01/2025 22:00	33.6	42.9	42.9	44.3	41.6	38.9	21.8	22.6	30.1	22.1	28.7	29.7	28.7	22.3	22.4	22.2	23.1	25.3	26.9	24.3	24.2	20.8	17.6	15.1	11.5	8.8	8.4	9.0	9.4
15/01/2025 22:15	32.7	44.4	41.0	42.9	40.8	39.4	23.7	22.2	28.4	23.0	29.0	29.0	28.6	21.6	21.7	21.3	21.6	24.0	25.9	23.4	23.4	20.0	16.7	14.1	10.5	8.3	8.4	9.0	9.4
15/01/2025 22:30	33.2	53.7	42.0	43.5	41.1	37.6	22.7	26.4	30.7	28.0	29.6	29.5	29.5	24.6	24.9	25.1	23.5	24.6	25.7	23.4	23.1	19.6	16.5	14.0	10.5	8.4	8.4	9.0	9.4
15/01/2025 22:45	33.2	50.2	41.3	42.5	38.4	35.1	22.4	21.8	30.8	24.9	29.7	31.6	29.9	25.8	23.4	21.8	22.8	23.9	25.8	23.4	23.7	20.3	16.9	14.6	10.8	8.6	8.4	9.0	9.4
15/01/2025 23:00	31.7	42.8	41.8	43.9	38.2	36.0	21.0	21.3	28.3	22.3	29.1	28.9	28.5	21.2	20.7	19.7	20.6	22.8	24.8	22.2	22.2	19.0	15.6	13.4	10.2	8.3	8.3	9.0	9.4
15/01/2025 23:15	30.6	44.5	41.8	43.5	40.6	39.7	22.7	22.5	29.8	22.8	29.6	29.4	28.8	21.2	20.9	19.6	20.3	21.9	22.6	20.2	20.5	17.0	14.2	12.5	9.7	8.2	8.4	9.0	9.4
15/01/2025 23:30	31.0	43.2	41.4	42.6	44.2	37.8	21.1	23.2	28.4	22.5	29.1	28.9	28.2	20.8	20.5	19.3	19.9	22.4	23.7	21.2	21.3	17.8	14.9	12.7	9.5	8.1	8.3	9.0	9.4
15/01/2025 23:45	31.5	51.4	42.6	44.3	44.4	37.5	23.5	23.4	28.7	24.6	30.1	30.7	31.0	24.2	22.7	20.5	21.5	22.6	23.0	20.8	21.2	16.9	14.0	12.7	10.0	8.4	8.4	9.0	9.4
16/01/2025 00:00	30.4	45.9	39.3	40.5	37.8	32.2	18.5	20.3	30.6	23.3	29.6	31.7	28.1	21.3	20.7	19.0	19.6	21.2	22.3	20.2	20.3	16.9	13.8	11.6	8.8	7.9	8.3	8.9	9.4
16/01/2025 00:15	29.7	42.8	39.5	40.8	37.4	32.7	21.0	21.2	28.0	22.1	28.9	28.6	27.6	20.1	19.9	18.6	19.1	20.8	21.9	19.5	19.5	16.2	13.3	11.5	8.9	7.9	8.3	8.9	9.4
16/01/2025 00:30	31.3	55.0	35.0	36.9	35.6	34.0	18.6	21.9	31.4	21.7	28.9	32.5	34.7	28.4	25.5	18.2	19.1	19.6	21.0	18.1	18.1	14.4	11.5	9.7	7.8	7.6	8.2	8.9	9.4
16/01/2025 00:45	27.5	42.6	34.3	38.3	35.1	32.3	16.1	18.3	25.8	20.3	27.1	27.0	26.2	18.7	18.2	16.4	16.8	18.6	19.6	16.8	17.2	13.7	11.0	9.7	7.5	7.5	8.2	8.9	9.4
16/01/2025 01:00	28.1	43.2	37.6	39.4	35.0	32.5	16.6	18.1	25.6	20.0	26.9	27.0	26.5	19.0	18.7	18.2	19.5	19.9	20.1	17.3	17.0	13.9	11.2	9.4	8.0	7.7	8.2	8.9	9.4
16/01/2025 01:15	35.3	61.8	33.3	35.9	32.7	34.0	17.7	17.6	26.6	23.2	41.5	38.8	29.2	34.5	32.5	26.1	20.8	19.2	18.9	17.4	17.4	13.9	11.2	10.0	8.2	7.7	8.3	8.9	9.4
16/01/2025 01:30	25.7	41.4	31.6	33.4	38.2	29.1	15.8	18.5	22.2	17.6	23.6	23.7	23.7	16.7	16.2	14.7	14.9	16.1	17.9	15.8	15.7	12.6	10.0	8.5	7.3	7.5	8.2	8.9	9.4
16/01/2025 01:45	24.4	40.1	30.3	32.6	30.7	30.0	15.1	20.0	21.6	16.7	23.4	23.3	23.1	15.9	15.7	14.2	14.2	15.3	16.4	13.7	13.6	10.3	8.0	7.3	6.9	7.4	8.2	8.9	9.4
16/01/2025 02:00	25.9	42.5	35.2	37.2	33.2	28.7	17.1	15.6	23.6	16.1	23.0	23.4	22.3	15.8	16.5	15.8	17.2	18.6	17.9	15.4	15.5	11.7	9.7	8.9	7.7	7.7	8.2	8.9	9.4
16/01/2025 02:15	24.9	40.3	34.9	35.3	33.1	28.1	15.4	15.9	20.8	16.6	22.3	22.6	22.2	15.2	15.2	14.5	15.4	16.4	17.2	14.3	14.5	11.7	9.4	8.2	7.3	7.5	8.2	8.9	9.4
16/01/2025 02:30	25.5	41.6	37.3	35.9	30.4	32.8	19.2	15.8	20.3	16.6	21.0	22.3	21.7	14.7	15.0	14.4	15.4	17.3	18.4	15.9	15.9	12.1	9.7	8.4	7.3	7.5	8.2	8.9	9.4
16/01/2025 02:45	21.9	38.3	27.4	35.3	24.8	21.8	10.2	13.6	18.5	17.5	19.1	19.1	18.8	11.8	11.6	10.6	11.1	12.8	14.6	11.7	11.7	8.4	6.7	6.5	6.7	7.4	8.2	8.9	9.4
16/01/2025 03:00	25.2	41.8	38.0	39.6	41.7	29.3	16.0	15.4	19.9	17.3	21.8	22.7	21.4	15.3	16.0	16.1	18.0	17.8	15.9	14.2	13.5	11.0	9.3	8.5	7.8	7.7	8.3	8.9	9.4
16/01/2025 03:15	26.6	43.0	37.4	38.1	32.9	30.9	14.9	15.0	22.3	16.4	21.3	21.9	22.2	15.4	16.4	16.4	18.4	19.1	19.1	16.2	15.9	13.0	11.3	10.3	8.7	8.1	8.3	9.0	9.4
16/01/2025 03:30	26.0	42.0	30.8	33.3	29.3	25.7	14.9	12.1	18.3	12.7	18.6	19.1	20.5	14.0	13.7	13.5	14.1	17.7	18.9	16.9	17.8	13.7	10.6	8.9	7.4	7.5	8.2	8.9	9.4
16/01/2025 03:45	27.4	40.9	33.4	39.3	38.0	27.7	18.0	18.8	20.7	13.2	26.0	21.0	21.6	14.4	15.4	15.5	16.0	19.0	20.9	18.3	18.0	14.6	11.6	9.8	7.9	7.7	8.2	8.9	9.4
16/01/2025 04:00	25.0	41.8	38.9	40.8	37.0	31.3	16.5	17.0	20.4	14.8	21.9	21.0	19.0	13.7	14.6	14.9	16.6	18.2	17.3	14.4	14.7	10.8	9.0	8.3	7.6	7.7	8.2	8.9	9.4
16/01/2025 04:15	25.2	45.4	40.5	38.5	33.9	27.4	14.7	14.6	20.8	13.2	20.4	23.9	20.8	15.6	14.2	13.6	15.6	16.8	18.0	15.8	14.9	11.7	9.4	8.3	7.5	7.6	8.2	8.9	9.4
16/01/2025 04:30	24.1	40.4	35.8	34.7	31.3	27.8	16.4	12.9	21.0	12.2	17.2	17.4	17.6	12.7	13.3	13.0	13.6	15.8	17.0	14.4	14.9	11.7	9.7	8.6	7.4	7.5	8.2	8.9	9.4
16/01/2025 04:45	27.7	45.0	39.0	37.9

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																									
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
16/01/2025 05:45	31.3	43.5	39.8	40.9	44.1	34.9	22.0	19.4	24.3	20.8	26.6	26.1	25.3	19.0	19.6	19.3	20.7	23.5	24.8	21.8	22.1	18.6	15.1	12.9	9.8	8.2	8.3	9.0	9.4
16/01/2025 06:00	32.1	43.7	43.6	44.1	41.2	36.2	24.5	19.6	25.5	18.8	25.4	25.9	26.6	20.4	20.8	20.7	21.8	24.4	25.8	22.9	22.7	19.0	15.8	13.5	10.3	8.4	8.4	9.0	9.4
16/01/2025 06:15	34.4	44.8	46.1	46.1	41.8	38.6	23.7	21.6	28.6	20.7	27.6	28.5	28.2	22.5	22.8	22.8	24.0	26.6	28.1	25.2	25.4	21.5	18.0	15.7	11.9	9.0	8.5	9.1	9.4
16/01/2025 06:30	35.5	45.6	45.9	46.9	43.1	40.3	25.0	24.4	30.0	22.5	29.6	30.7	29.6	23.9	24.3	24.1	25.5	27.9	29.1	26.1	26.1	22.5	19.1	16.6	12.6	9.3	8.6	9.1	9.4
16/01/2025 06:45	37.1	51.1	47.9	48.3	46.4	43.3	27.9	27.4	31.6	25.9	33.4	33.4	31.5	27.3	25.9	25.6	26.7	29.2	30.5	27.7	27.6	23.8	20.3	17.7	13.4	9.6	8.6	9.1	9.4
16/01/2025 07:00	36.9	43.9	47.3	51.1	48.2	44.6	27.9	27.3	35.3	26.5	31.6	31.9	31.9	25.5	25.5	25.2	26.1	28.9	30.3	27.6	27.6	23.9	20.4	18.0	13.2	9.4	8.6	9.1	9.4
16/01/2025 07:15	37.3	42.2	47.6	50.8	47.5	44.4	27.8	26.3	31.5	25.2	31.7	31.7	32.5	25.9	25.9	25.4	26.5	29.5	30.9	28.0	28.2	24.4	20.8	18.1	13.4	9.5	8.6	9.1	9.4
16/01/2025 07:30	38.4	56.2	47.1	50.9	49.1	44.6	29.0	27.2	34.8	29.6	35.3	36.6	34.4	28.0	29.3	27.0	27.5	30.1	31.5	28.8	28.9	25.1	21.6	18.9	14.0	9.9	8.7	9.2	9.5
16/01/2025 07:45	37.6	45.2	47.1	50.1	48.7	44.2	27.6	26.2	32.0	25.6	32.6	32.6	32.6	26.5	26.5	26.5	27.1	29.8	31.1	28.3	28.4	24.8	21.1	18.3	13.6	9.6	8.6	9.1	9.4
16/01/2025 08:00	37.8	45.5	46.9	49.1	48.1	43.1	27.8	27.1	34.0	26.1	31.5	32.8	32.6	26.6	26.9	26.1	27.2	30.0	31.3	28.6	28.8	25.1	21.3	18.4	13.7	9.6	8.6	9.1	9.4
16/01/2025 08:15	38.3	50.1	47.3	50.3	47.0	43.7	27.5	26.2	33.1	25.9	33.5	34.5	33.8	26.8	26.7	26.4	27.7	30.4	31.6	28.9	29.2	25.4	21.6	18.7	13.8	9.6	8.8	9.1	9.4
16/01/2025 08:30	38.5	52.1	52.1	51.3	47.2	43.2	27.6	27.4	33.9	26.8	33.4	34.3	33.7	27.2	27.3	26.7	27.7	30.5	31.9	29.1	29.2	25.6	21.9	19.4	16.7	13.3	8.8	9.1	9.5
16/01/2025 08:45	38.3	43.5	50.0	49.6	46.5	42.9	26.2	25.3	31.3	24.2	31.0	31.9	32.8	26.5	26.9	26.4	27.6	30.7	32.0	29.1	29.4	25.6	21.6	18.6	13.8	9.6	8.5	9.1	9.4
16/01/2025 09:00	37.8	43.7	48.2	49.2	44.8	42.6	28.1	26.5	32.7	26.0	31.7	32.1	32.9	26.7	26.6	26.1	27.2	30.0	31.3	28.6	28.7	24.9	21.0	18.1	14.0	10.6	8.5	9.0	9.4
16/01/2025 09:15	37.0	45.2	46.6	48.7	46.4	43.7	27.2	27.4	32.7	25.3	32.0	33.0	32.3	26.4	26.5	26.3	27.0	29.3	30.4	27.5	27.5	23.7	20.0	17.2	12.9	9.6	8.6	9.1	9.4
16/01/2025 09:30	37.6	47.7	48.2	49.8	46.2	42.4	28.0	27.0	34.0	27.5	33.1	33.1	33.1	27.7	27.2	25.9	26.9	29.5	31.0	28.3	28.3	24.5	20.5	17.6	13.9	10.3	8.6	9.1	9.4
16/01/2025 09:45	37.2	49.6	47.0	49.1	46.0	42.5	30.0	28.8	36.0	31.2	36.2	34.1	33.1	28.3	27.1	26.0	26.9	29.3	30.1	27.5	27.4	23.3	19.4	16.6	12.2	9.1	8.4	9.0	9.4
16/01/2025 10:00	36.9	47.3	47.7	48.9	45.5	42.3	27.1	28.0	33.8	26.1	31.9	32.3	32.2	26.5	26.5	25.9	26.8	29.2	30.3	27.6	27.4	23.4	19.4	16.5	12.0	8.9	8.5	9.0	9.4
16/01/2025 10:15	36.9	47.0	46.9	48.4	45.7	42.5	27.0	27.4	32.3	25.9	32.2	32.2	32.1	25.9	26.6	25.9	26.9	29.1	30.4	27.6	27.5	23.4	19.5	16.6	11.9	8.8	8.4	9.0	9.4
16/01/2025 10:30	38.0	55.5	48.3	49.6	47.4	43.1	27.4	28.1	34.2	27.5	33.8	33.5	33.4	26.7	27.3	26.2	27.4	29.8	31.6	29.1	28.9	23.7	19.9	17.4	12.7	9.2	8.5	9.1	9.4
16/01/2025 10:45	37.0	51.0	50.1	50.2	46.2	42.5	28.6	28.2	34.3	27.4	34.7	34.2	32.9	27.0	27.0	26.7	26.7	29.1	30.2	27.3	27.2	23.2	19.7	17.0	12.4	9.0	8.4	9.0	9.4
16/01/2025 11:00	39.4	59.2	49.6	50.5	46.9	43.0	30.8	33.2	37.8	33.5	38.8	36.8	34.9	31.5	29.9	27.6	27.9	30.1	31.3	29.0	30.6	25.0	24.6	26.5	19.5	15.1	11.0	10.5	9.7
16/01/2025 11:15	38.5	59.4	50.6	50.5	47.6	42.9	31.3	31.2	36.1	33.4	40.9	39.9	34.3	29.5	30.0	27.0	27.4	29.8	30.9	28.0	27.8	23.8	20.0	17.1	12.4	9.1	8.5	9.0	9.4
16/01/2025 11:30	38.1	47.5	48.6	48.9	46.4	43.0	28.0	27.2	33.8	27.8	34.1	34.3	33.8	27.3	27.4	27.0	27.9	30.4	31.6	28.6	28.4	24.4	21.0	18.6	14.9	10.6	8.7	9.1	9.4
16/01/2025 11:45	37.6	44.1	46.6	49.2	47.1	44.0	28.1	27.3	32.6	26.5	33.5	34.2	33.5	27.0	27.4	26.7	27.8	29.8	30.9	28.1	28.0	24.1	20.5	18.1	13.2	9.4	8.5	9.1	9.5
16/01/2025 12:00	37.6	53.1	47.8	49.1	47.2	43.5	28.5	28.6	36.5	28.9	34.2	34.8	34.6	27.6	27.2	26.5	27.3	29.7	30.7	27.8	27.8	23.8	20.3	18.0	13.1	9.4	8.5	9.1	9.4
16/01/2025 12:15	37.5	47.7	49.6	50.8	45.8	42.5	30.7	31.4	35.1	30.0	35.2	33.2	33.5	27.8	27.2	26.3	26.8	29.6	30.9	28.0	27.9	23.8	20.1	17.4	12.6	9.3	8.5	9.0	9.4
16/01/2025 12:30	38.7	56.5	49.0	50.5	46.1	42.6	29.5	29.3	34.7	29.8	34.6	34.1	35.9	28.4	28.8	26.9	27.9	30.4	32.1	29.5	29.6	24.9	21.5	19.5	13.5	9.6	8.7	9.2	9.5
16/01/2025 12:45	38.0	45.0	46.4	47.9	45.4	42.5	26.8	32.8	33.3	25.9	35.0	33.9	34.5	27.6	27.3	26.6	27.5	30.3	31.4	28.6	28.4	24.4	20.3	17.6	12.5	9.1	8.5	9.0	9.4
16/01/2025 13:00	38.5	53.2	46.4	50.1	46.5	43.2	28.7	30.8	34.4	29.6	35.8	36.0	36.4	29.6	28.1	28.1	28.5	30.3	31.5	28.9	28.5	24.4	20.4	17.5	12.8	9.3	8.6	9.1	9.5
16/01/2025 13:15	37.3	47.4	46.3	49.4	46.2	43.1	27.2	25.9	31.5	25.5	34.4	34.4	33.2	26.8	26.9	26.1	27.2	29.8	30.7	27.8	27.7	23.6	19.4	16.5	11.8	8.7	8.5	9.1	9.5
16/01/2025 13:30	37.6	46.5	48.2	49.3	45.2	42.7	27.3	29.9	32.2	26.9	35.3	34.3	33.7	27.3	27.1	26.7	27.6	29.9	30.9	28.1	27.9	23.7	19.5	16.7	12.1	9.2	8.4	9.0	9.4
16/01/2025 13:45	37.3	49.5	45.3	47.7	43.2	41.5	26.6	27.9	36.2	28.4	35.5	34.1	33.3	27.3	27.6	26.3	27.2	29.6	30.5	27.5	27.5	23.4	19.3	16.4	11.7	8.8	8.5	9.0	9.4
16/01/2025 14:00	37.2	44.5	46.1	50.4	47.7	44.2	27.5	25.8	31.2	24.3	31.5	31.9	32.6	26.4	26.3	25.8	27.0	29.7	30.8	27.9	27.8	23.5	19.4	16.5	11.8	8.8	8.4	9.0	9.4
16/01/2025 14:15	37.3	45.1	45.8	49.0	48.4	43.9	26.8	24.5	32.1	23.9	31.6	32.3	32.5	26.0	26.2	25.8	27.0	29.9	31.0	28.0	28.1	23.8	19.4	16.3	11.6	8.6	8.4	9.0	9.4
16/01/2025 14:30	37.0	49.1	46.5	48.9	45.6	42.7	27.1	24.9	32.1	26.1	32.0	31.7	32.4	26.0	25.8	25.6	26.6	29.5	30.7	27.8	27.7	23.4	19.2	16.6	11.9	8.9	8.5	9.1	9.5
16/01/2025 14:45	37.5	47.7	46.7	48.1	46.5	43.7	27.0	26.5	36.7	31.3	32.8	32.8	33.8	27.0	27.2	26.4	27.3	29.9	30.8	28.0	28.0	23.8	19.3	16.3	11.8	8.8	8.5	9.0	9.4
16/01/2025 15:00	37.3	56.0	46.6	49.2	45.2	41.6	27.2	27.5	33.3	27.2	36.1	37.3	33.5	26.6	27.4	25.9	26.7	29.1	30.3	27.6	27.7	23.2	18.8	15.6	11.2	8.5	8.4	9.0	9.4
16/01/2025 15:15	37.4	47.4	46.5	48.6	45.1	42.4	27.1	25.8	33.0	27.8	34.1	32.8	33.2	26.8	27.2	26.1	26.9	29.3	30.7	28.1	28.1	23.9	19.7	16.8	12.2	8.9	8.5	9.1	9.5
16/01/2025 15:30	37.7	43.2	45.4	48.9	45.3	42.5	28.0	27.2	32.1	25.5	32.2	32.4	33.1	26.6	26.7	26.3	27.2	29.9	31.3	28.6	28.7	24.5	20.2	17.1	12.2	8.8	8.4	9.0	9.4
16/01/2025 15:45	38.4	57.8	46.7	48.9	45.6	43.3	27.7	26.6	31.5	25.5	32.8	32.6	32.6	26.4	26.4	26.1	27.1	30.0	31.3	29.0	30.8	24.8	22.4	22.3	15.8	12.5	9.1	9.2	9.5
16/01/2025 16:00	37.8	45.7	45.7	50.0	46.7	44.1	27.9	26.1	32.1	25.1	31.4	32.5	34.1	26.7	26.3	26.0	27.2	30.1	31.4	28.6	28.6	24.3	20.2	17.2	12.4	8.8	8.4	9.0	9.4
16/01/2025 16:15	37.4	43.7	45.9	49.5	47.0	43.7	28.4	27.2	32.8	26.9	32.1	32.2	33.0	26.5	26.2	25.9	26.9	29.7	30.9	28.4	28.2	24.0	20.0	17.1	12.4	8.9	8.4	9.0	9.4
16/01/2025 16:30	38.7	58.8	46.0	48.8	45.9	42.9	26.0	26.3	32.7	26.6	32.3	32.4	32.9	26.6	26.4	25.9	27.2	30.3	31.9	29.4	30.3	24.9	24.0	24.4	20.1	13.4	10.2	9.8	9.6
16/01/2025 16:45	38.4	54.3	46.6	49.4	46.1	44.5	29.4	28.9	37.9	30.0	36.1	35.4	36.8	29.3	29.2	26.4	27.5	30.2	31.4	28.6	28.4	24.3	20.3	17.3	12.5	8.9	8.4	9.0	9.4
16/01/2025 17:00	37.5	45.6	46.6	50.6	47.0	42.3	27.5	29.8	31.9	28.2	32.1	32.8	33.2	26.4	26.6	25.7	26.9	29.9	31.2	28.2	28.1	24.1	19.9	16.8	11.8	8.6	8.4	9.0	9.4
16/01/2025 17:15	38.1	47.8	47.5	49.2	45.8	42.2	27.8	27.3	32.7	27.8	33.8	33.6	33.9	27.3	27.3	26.3	27.5	30.5	31.8	28.8	28.7	24.6	20.9	17.7	12.6	9.0	8.5	9.0	9.4
16/01/2025 17:30	38.3	51.9	45.4	48.7	46.9	43.2	26.3	26.1	36.3	26.3	33.5	34.2	34.6	29.2	29.5	26.2	27.4	30.5	31.9	28.9	28.7	24.6	20.6	17.5	12.4	8.8	8.4	9.0	9.4
16/01/2025 17:45	37.4	44.3	46.4	49.2	46.2	42.8	27.0	27.3	32.5	24.1	31.6	32.3	33.2	26.4	26.5	25.7	26.6	29.6	31.2	28.4	28.0	23.9	19.9	16.9	11.8	8.7	8.4	9.0	9.4
16/01/2025 18:00	37.1	41.9	44.3	46.6	44.3	42.3	28.4	27.6	30.7	24.2	30.6	31.3	32.2	25.4	25.5	25.0	26.1	29.3	31.0	28.2	27.9	23.7	19.5	16.3	11.3	8.5	8.3	9.0	9.4
16/01/2025 18:15	38.8	62.3	44.8	47.3	44.9	40.7	25.9	27.5	32.9	24.9	35.9	39.5	39.1	31.8	29.1	28.1	27.2	29.8	31.3	28.3	28.1	24.0	19.9	16.7	12.0	8.9	8.5	9.1	9.4
16/01/2025 18:30	36.7	43.2	43.7	46.7	45.1	42.5	26.0	26.3	29.5	23.3	30.0	31.2	31.8	25.2	25.4	25.0	26.3	29.2	30.7	27.6	27.4	23.2	19.0	15.8	11.1	8.4	8.4	9.0	9.4
16/01/2025 18:45	36.4	46.5	42.5	46.1	44.0	40.5	28.1	31.7	34.0	30.2	34.2	32.0	32.0	25.2	25.3	24.7	25.3	28.4	30.1	27.2	27.0	22.9	18.7	15.8	10.8	8.3	8.3	9.0	9.4
16/01/2025 19:00	37.8	56.9	43.7	45.7	43.9	40.5	26.6	27.3	29.9	28.1	34.9	35.9	37.2	30.0	29.2	25.5	26.7	29.3	30.6	27.7	27.8	23.8	20.0	17.2	12.5	9.1	8.4	9.0	9.4
16/01/2025 19:15	36.0	50.6	43.5	45.5	41.1	37.9	23.5	23.0	28.9	25.6	29.7	32.1	32.0	26.2	26.0	24.5	25.7	28.5	29.7	26.6	26.4	22.4	18.3	15.3	10.8	8.4	8.3	9.0	9.4
16/01/2025 19:30	36.8	58.8	42.4	45.2	42.1	38.9	26.2	23.0	28.3	26.5	35.9	36.4	37.7	28.0	28.0	24.2	24.8	27.9	29.4	26.4	26.1	21.9	17.8	14.9	10.4	8.2	8.3	9.0	9.4
16/01/2025 19:45	36.8	59.8	42.1	44.3	42.8	39.6	25.3	23.0	28.8	26.4	33.9	34.3	35.9	29.2	27.4	24.1	25.7	28.4	29.7	27.1	26.8	22.6	18.5	15.6	11.0	8.4	8.3	9.0	9.4
16/01/2025 20:00	36.3	57.9	43.9	46.6	41.9	40.6	26.5	27.0	31.5	28.8	31.6	34.8	29.5	24.7	26.3	24.4	26.3	28.3	30.1	27.4	26.1	22.7	19.2	16.7	11.4	8.7	8.5	9.0	9.4
16/01/2025 20:15	34.1	44.8	40.2	42.6	40.0	37.0	22.2	22.0	25.7	19.9	27.5	28.3	28.9	22.5	22.8	22.4	23.8	26.5	28.1	24.9	24.7	20.8	16.8	13.8	9.6	7.9	8.3	8.9	9.4
16/01/2025 20:30	33.8	47.0	39.1	42.6	39.0	36.6	22.0	20.1	27.4	20.4	29.3	29.6	29.0	22.3	23.0	22.4	23.6	26.0	27.4	24.7	24.4	20.5	16.7	13.6	9.4	7.9	8.3	8.9	9.4
16/01/2025 20:45	34.8	43.5	41.0	43.3	40.2	38.5	24.0	21.6	27.6	21.1	29.8	30.1	29.4	23.1	23.8	23.6	24.9	27.4	28.1	25.7	25.6	21.6	17.6	14.5	10.0	8.0	8.3	8.9	9.4
16/01/2025 21:00	34.3	47.8	43.6	43.0	40.2	37.7	24.3	23.2	28.6	20.4	31.4	31.3	29.4	23.0	23.4	23.3	24.7	26.8	27.6	24.8	24.8	20.7	17.0	14.2	9.9	8.0	8.3	8.9	9.4
16/01/2025 21:15	34.9	43.4	39.1	41.7	39.3	37.0	21.7	21.1	27.8	20.6	28.6	29.4	30.3	23.4	23.9	23.6	25.0	27.4	28.1	25.8	25.7	21.6	17.8	14.8	10.3	8.1	8.3	8.9	9.4
16/01/2025 21:30	34.6	51.8	40.9	42.9	40.7	37.6	24.1	25.0	26.9	26.3	30.8	32.9	32.4	25.5	26.9	23.8	24.6	26.5	27.5	24.8	24.4	20.5	16.9	14.4	10.1	8.1	8.3	8.9	9.4
16/01/2025 21:45	34.5	54.3	41.0	42.8	39.0	34.4	23.9	21.1	28.1	24.0	30.8	34.3	31.6	24.3	23.9	23.4	24.3	26.3	27.4	24.9	24.6	20.9	17.5	14.9	10.5	8.3	8.3	9.0	9.4
16/01/2025 22:00	34.5	52.0	41.8	42.7	39.9	36.1	24.1	23.8	28.3	26.4	33.0	33.2	32.2	24.5	24.6	23.7	24.3	26.1	27.1	24.6	24.4	20.9	18.0	15.6	10.9	8.4	8.3	9.0	9.4
16/01/2025 22:15	34.6	55.9	41.0	41.7	39.4	34.4	21.4	20.4	26.4	27.3	32.7	34.8	35.6	27.1	28.1	22.5	22.9	24.9	26.5	23.8	23.6	20.0	16.7	14.3	10.1	8.1	8.3	8.9	9.4
16/01/2025 22:30	32.6	46.3	40.6	41.7	38.5	37.9	20.4	26.8	34.8	22.3	30.1	29.7	28.6	21.8	22.0	21.2	22.0	24.3	25.8	23.0	22.9	19.4	16.1	13.8	9.8	8.0	8.3	8.9	9.4
16/01/2025 22:45	36.7	61.3	38.8	40.8	39.2	34.8	22.0	25.5	30.9	22.8	30.4	32.6	35.2	25.7	28.1	25.1	26.0	27.3	28.5	26.9	26.2	26.6	23.2	20.7	13.6	10.5	9.5	9.7	9.5
16/01/2025 23:00	34.2	58.1	43.3	43.8	39.6	37.1	23.8	24.4	29.6	26.4	31.1	31.9	32.5	29.7	27.7	22.0	23.1	24.4	25.6	23.7	24.4	20.8	17.6	15.6	11.1	8.5	8.3	9.0	9.4
16/01/2025 23:15	32.5	57.2	41.2	42.9	38.6	35.9	24.8	23.8	30.0	25.3	31.1	31.7	31.8	27.5	24.5	21.0	22.6	22.9	23.8	20.9	21.7	18.8	16.5	15.3	11.1	8.4	8.3	8.9	9.4
16/01/2025 23:30	30.6	42.6	38.7	41.1	38.4	34.4	20.1	21.7	28.8	23.0	30.1	30.0	29.0	21.2	20.8	19.6	20.2	21.9	23.0	20.2	19.9	16.5	14.0	12.3	9.1	7.9	8.3	8.9	9.4
16/01/2025 23:45	30.1	42.7	41.1	42.0	37.6	36.0	23.3	23.3	29.2	23.3	30.2	29.9	28.6	20.9	20.4	19.1	19.6	21.6	22.1	19.3	19.5	16.0	13.8	12.4	9.2	8.0	8.3	8.9	9.4
17/01/2025 00:00	31.4	44.5	40.1	42.0	40.1	34.5	21.7	23.2	30.0	24.4	31.0	31.4	29.6	21.6	21.2	20.2	20.3	22.4	23.6	21.4	21.3	17.8	15.3	13.6	9.9	8.1	8.3	8.9	9.4
17/01/2025 00:15	30.2	41.9	39.6	41.9	37.3	35.7	23.5	22.9	28.9	23.3	29.9	29.9	29.0	21.2	20.8	19.6	20.0	21.7	22.1	19.6	19.6	16.1	13.6	12.2	9.1	8.0	8.3	8.9	9.4
17/01/2025 00:30	29.6	40.9	38.8	40.5	36.9	35.3	20.5	21.5	29.0	23.3	30.0	29.8	28.7	20.9	20.3	18.8	19.0	20.0	21.3	19.0	18.6	15.4	13.4	11.9	9.0	7.9	8.3	8.9	9.4
17/01/2025 00:45	29.2	46.0	37.8	39.9	36.2	32.3	19.4	21.7	28.9	23.8	30.2	30.0	29.5	20.9	20.3	18.4	18.7	18.9	19.9	18.1	17.6	14.9	13.3	12.1	9.1	8.0	8.3	8.9	9.4
17/01/2025 01:00	30.7	44.9	37.2	39.5	35.7	32.5	21.5	20.7	28.3	22.4	29.1	29.2	28.6	21.0	20.8	19.7	20.5	22.2	23.1	21.0	20.6	17.1	14.4	12.4	9.2	8.0	8.3	8.9	9.4
17/01/2025 01:15	28.6	42.9	38.8	39.7	34.9	30.6	20.7	20.1	27.2	21.7	28.5	28.5	27.4	19.9	19.7	18.6	19.4	19.5	19.5	17.6	17.6	14.6	13.0	11.8	9.0	7.9	8.3	8.9	9.4
17/01/2025 01:30	28.1	40.6	35.5	36.9	32.9	30.6	19.6	19.5	26.7	21.6	28.3	28.4	27.6	19.8	19.6	17.9	18.1	18.9	19.0	16.6	16.7	14.1	12.6	11.5	8.8	7.9	8.2	8.9	9.4
17/01/2025 01:45	27.3	38.6	34.1	35.6	32.2	28.6	19.5	18.8	25.8	20.7	27.4	27.4	26.8	19.0	18.7	17.1	17.2	17.7	17.9	15.9	16.4	13.5	12.2	11.2	8.7	7.8	8.2	8.9	9.4
17/01/2025 02:00	27.9	45.3	40.0	38.8	33.4	29.5	19.8	20.1	26.3	20.4	27.2	27.4	26.5	19.3	19.7	17.7	18.7	19.8	18.3	16.8	16.8	13.8	12.2	11.1	8.5	7.8	8.2	8.9	9.4
17/01/2025 02:15	26.6	40.5	36.3	36.0	33.1	33.6	18.6	20.5	27.7	19.7	26.7	26.4	25.7	18.5	18.0	16.5	16.9	17.5	17.7	15.2	15.2	12.1	10.4	9.4	7.8	7.7	8.2	8.9	9.4
17/01/2025 02:30	24.9	41.6	36.4	34.5

Start Time	L_{Aeq}	L_{AMax}	1/3 Octave Centre Frequency Band (Hz)																										
			25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k
17/01/2025 03:00	26.8	41.7	40.1	40.2	42.3	30.4	19.3	18.8	24.3	19.0	25.8	26.4	24.9	18.0	18.0	17.7	19.2	19.2	17.3	14.8	14.5	11.8	10.2	9.3	7.7	7.7	8.2	8.9	9.4
17/01/2025 03:15	25.3	44.5	36.8	36.1	33.4	24.8	18.7	17.5	22.7	16.9	23.9	24.4	24.7	16.5	16.2	15.7	16.7	16.7	16.2	14.2	13.6	11.1	9.7	9.1	7.6	7.6	8.2	8.9	9.4
17/01/2025 03:30	25.5	46.6	35.5	33.9	30.2	26.8	19.3	16.1	22.3	16.1	22.7	22.8	22.5	15.7	15.7	15.2	15.6	17.3	17.9	15.1	15.2	11.8	9.8	8.7	7.4	7.6	8.2	8.9	9.4
17/01/2025 03:45	25.0	39.0	34.6	32.9	27.7	23.6	18.7	15.3	20.7	15.1	21.4	21.5	21.2	14.6	14.3	13.3	14.4	16.3	17.6	15.7	15.0	12.0	10.1	8.8	7.3	7.5	8.2	8.9	9.4
17/01/2025 04:00	27.0	46.4	39.3	42.4	36.7	30.9	19.6	17.3	22.5	17.2	23.7	24.7	23.2	20.2	17.2	17.6	19.6	20.1	18.2	15.9	15.7	12.4	10.9	9.6	7.8	7.6	8.2	8.9	9.4
17/01/2025 04:15	28.8	48.5	39.5	38.3	34.4	30.3	21.0	18.1	25.9	23.8	25.0	29.1	25.5	22.2	20.8	18.8	21.2	21.2	19.8	17.5	17.4	14.2	12.3	10.5	8.6	8.0	8.3	8.9	9.4
17/01/2025 04:30	30.6	52.8	40.4	42.0	40.2	38.2	22.4	20.7	23.4	20.2	25.4	26.9	29.2	27.0	29.5	21.3	19.5	20.9	20.2	17.7	17.5	14.6	13.2	11.6	9.0	8.3	8.4	9.0	9.4
17/01/2025 04:45	26.9	43.6	40.0	41.8	36.2	34.1	20.7	16.3	22.0	15.7	22.2	22.5	21.5	16.3	16.7	15.6	17.2	19.5	20.0	17.0	16.8	13.6	10.9	9.1	7.5	7.5	8.2	8.9	9.4
17/01/2025 05:00	29.6	48.5	41.4	47.5	40.0	33.2	21.0	17.5	23.5	16.4	23.5	24.7	24.3	22.1	18.9	19.1	21.0	22.3	22.7	20.0	19.3	15.5	12.6	10.6	8.1	7.6	8.2	8.9	9.4
17/01/2025 05:15	31.3	48.1	42.5	43.2	41.8	38.1	21.5	18.8	27.6	20.1	30.3	29.5	26.9	20.3	21.3	20.7	21.6	23.7	24.3	21.4	20.9	16.9	14.1	11.8	8.7	7.8	8.2	8.9	9.4
17/01/2025 05:30	31.0	42.8	39.8	40.2	35.8	35.2	24.0	20.5	25.4	18.1	26.6	24.5	25.3	19.7	19.9	19.0	20.4	23.6	24.6	21.8	21.5	17.8	14.8	11.7	8.4	7.7	8.2	8.9	9.4
17/01/2025 05:45	31.7	43.5	41.8	40.8	41.5	36.1	22.1	20.5	25.3	17.4	23.7	24.9	25.6	20.9	20.5	20.0	21.3	24.6	25.3	22.6	22.4	18.5	15.0	12.0	8.7	7.8	8.2	8.9	9.4
17/01/2025 06:00	33.0	48.7	43.3	44.1	38.6	35.9	24.6	21.3	27.3	19.5	26.3	27.0	27.7	21.5	21.4	21.2	22.8	25.8	26.6	23.7	23.6	19.5	15.9	13.0	9.4	7.9	8.2	8.9	9.4
17/01/2025 06:15	34.4	45.0	45.8	46.2	44.3	41.0	24.8	24.5	29.2	21.9	29.0	30.0	28.9	23.3	23.7	23.2	24.6	27.3	27.9	24.9	24.8	20.9	17.2	14.2	10.2	8.1	8.3	8.9	9.4
17/01/2025 06:30	35.4	43.9	44.1	45.3	42.9	41.5	25.7	23.2	28.9	21.6	28.5	30.6	29.9	24.0	24.3	24.1	25.3	27.9	29.2	26.1	25.9	22.0	18.0	14.8	10.6	8.2	8.3	8.9	9.4
17/01/2025 06:45	36.5	47.2	47.2	47.9	45.6	43.2	27.5	25.4	31.1	25.0	30.7	31.8	31.4	25.5	25.6	25.1	26.4	29.3	30.3	27.1	26.9	23.0	19.1	15.9	11.5	8.5	8.3	9.0	9.4
17/01/2025 07:00	36.9	45.9	45.9	48.3	47.0	41.9	28.3	28.2	32.3	28.8	32.1	32.0	32.2	26.1	25.9	25.2	26.2	29.4	30.5	27.6	27.6	23.7	19.8	16.5	11.9	8.6	8.4	9.0	9.4
17/01/2025 07:15	37.7	49.6	48.4	49.2	46.3	44.4	28.0	28.0	32.9	27.6	33.1	33.2	33.3	26.5	26.4	25.7	27.0	30.2	31.3	28.2	28.3	24.3	20.3	17.1	12.2	8.8	8.4	9.0	9.4
17/01/2025 07:30	37.7	54.9	47.2	48.4	46.7	43.8	29.2	26.3	33.4	27.7	32.1	34.4	34.8	27.1	27.6	26.1	27.0	30.0	31.2	28.3	28.2	24.2	20.3	16.9	12.2	8.7	8.4	9.0	9.4
17/01/2025 07:45	37.9	45.4	46.4	48.6	46.3	42.7	28.5	31.3	31.6	27.1	32.4	32.9	32.9	26.9	27.0	26.1	27.4	30.4	31.6	28.8	28.6	24.6	20.6	17.2	12.4	8.8	8.4	9.0	9.4
17/01/2025 08:00	37.7	45.7	46.7	48.6	45.7	42.2	27.1	27.6	32.0	24.7	31.2	32.4	32.7	26.5	26.7	25.9	27.1	30.1	31.4	28.6	28.6	24.7	20.6	17.1	12.2	8.7	8.4	9.0	9.4
17/01/2025 08:15	38.1	53.4	47.6	49.9	47.8	45.0	30.1	27.3	33.8	25.8	35.4	36.9	33.7	27.3	27.2	26.4	27.7	30.5	31.4	28.3	28.3	24.3	20.4	17.1	12.4	8.9	8.4	9.0	9.4
17/01/2025 08:30	37.6	43.4	46.1	48.8	47.8	42.8	26.8	26.0	31.4	23.1	30.4	31.7	32.7	26.6	26.3	25.7	27.1	30.2	31.2	28.4	28.4	24.4	20.4	17.3	12.9	9.6	8.4	9.0	9.4
17/01/2025 08:45	37.9	45.9	46.3	48.5	45.0	42.2	26.7	25.4	31.2	23.6	31.2	32.6	33.3	27.0	26.9	26.5	27.8	30.6	31.5	28.6	28.6	24.6	20.6	17.4	12.6	8.9	8.4	9.0	9.4
17/01/2025 09:00	38.0	45.4	45.5	48.4	45.8	44.1	27.3	26.1	32.2	24.0	30.6	32.2	33.0	27.0	26.8	26.6	27.9	30.8	31.5	28.7	28.7	24.6	20.8	17.5	12.6	9.2	8.6	9.2	9.4
17/01/2025 09:15	37.5	46.1	46.3	47.8	46.5	41.6	27.5	24.3	31.2	24.3	32.3	33.2	32.7	26.6	26.6	26.1	27.4	30.1	31.0	28.2	28.2	24.2	20.4	17.4	13.0	9.5	8.5	9.0	9.4
17/01/2025 09:30	38.0	51.0	46.2	47.4	47.6	42.8	26.8	27.0	38.6	25.5	33.7	34.1	33.1	26.9	27.0	26.7	28.1	30.8	31.4	28.5	28.4	24.3	20.3	17.4	12.7	9.1	8.4	9.0	9.4
17/01/2025 09:45	37.3	47.9	46.0	47.1	44.8	42.4	25.9	25.0	31.8	25.0	33.4	33.8	32.2	26.4	26.4	25.7	27.1	29.9	30.8	27.9	27.8	23.7	19.7	17.0	12.9	9.2	8.4	9.0	9.4
17/01/2025 10:00	37.0	43.3	45.7	47.2	46.0	42.1	25.8	24.0	30.1	23.0	30.6	31.4	32.3	26.0	26.0	25.5	26.9	29.8	30.6	27.7	27.8	23.7	19.7	16.5	11.8	8.6	8.4	9.0	9.4
17/01/2025 10:15	37.4	49.5	45.6	47.1	43.9	41.8	26.4	25.2	31.0	26.6	31.5	33.1	32.8	26.3	26.3	25.7	27.1	30.2	31.1	27.9	28.0	24.1	19.9	16.8	12.9	10.0	8.4	9.0	9.4
17/01/2025 10:30	39.1	60.1	46.9	48.3	47.1	42.6	26.4	25.3	33.7	27.2	31.4	32.0	32.6	26.3	26.6	26.2	27.9	30.5	31.5	28.8	29.7	27.9	27.1	25.9	22.5	18.4	15.4	12.7	9.9
17/01/2025 10:45	37.3	46.9	48.4	49.4	47.3	43.8	27.4	25.2	32.5	24.8	32.4	32.8	33.6	26.4	26.4	25.9	27.0	29.9	30.8	27.8	27.9	23.7	19.6	16.4	11.6	8.6	8.4	9.0	9.4
17/01/2025 11:00	36.7	47.5	46.9	48.4	45.4	42.3	28.1	25.8	31.0	24.5	32.4	32.8	32.6	26.2	26.1	25.4	26.5	29.3	30.2	27.1	27.3	23.1	18.9	15.7	11.2	8.4	8.4	9.0	9.4
17/01/2025 11:15	37.5	51.8	45.1	48.1	45.0	43.1	27.2	27.0	34.0	25.7	35.1	35.0	34.0	26.8	26.7	25.8	26.8	29.7	30.9	27.8	28.0	23.8	19.7	16.4	12.0	8.9	8.4	9.0	9.4
17/01/2025 11:30	37.7	51.8	47.5	49.1	46.7	42.6	27.4	25.9	33.2	26.8	33.0	33.4	34.0	27.6	27.4	26.3	27.4	30.2	31.1	28.1	28.2	24.0	19.8	16.6	12.0	8.6	8.4	9.0	9.4
17/01/2025 11:45	37.3	43.8	45.1	48.0	45.9	43.0	27.0	25.9	32.4	25.7	32.4	32.9	33.2	26.7	26.5	25.8	26.8	29.8	30.9	27.9	27.9	23.8	19.7	16.4	11.7	8.5	8.3	9.0	9.4
17/01/2025 12:00	37.9	46.5	46.2	49.3	46.7	43.9	27.9	27.3	33.4	26.5	34.2	33.6	34.0	29.4	28.0	26.1	27.5	30.4	31.3	28.3	28.4	24.3	20.2	17.0	12.3	8.8	8.4	9.0	9.4
17/01/2025 12:15	38.0	56.5	46.1	48.6	46.3	42.8	27.0	31.1	43.3	31.9	34.2	35.0	35.5	27.9	26.7	25.8	27.0	30.2	31.2	28.0	28.1	23.9	19.8	16.7	12.0	8.8	8.4	9.0	9.4

APPENDIX C

Product Brochures for Acoustically Screened Ventilation Systems



MA3051

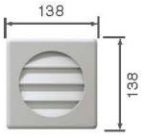
Acoustic wall ventilator

Physical specification

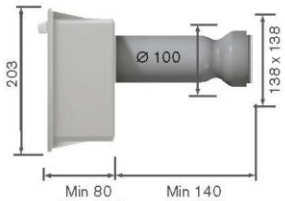
All measurements in millimetres unless otherwise indicated

Weight: 2.65kg

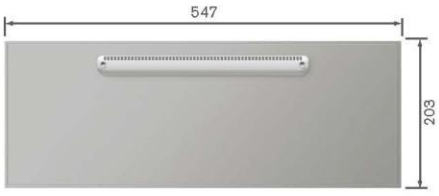
Materials:
PVC: Casing for wall vent, duct, external grille and internal ventilator. Acoustic lining and material inside wall vent.



External grille



Side



Internal

Features and benefits

- Highest performing acoustic background ventilator
- Provides acoustic attenuation to Dn,e,w 55dB(A)
- 2500mm² equivalent area performance
- Suitable for external wall thicknesses of 140mm and above
- Can be installed in internal wall constructions of between 100mm and 150mm
- Supplied with internal controllable vent and white/sand external grilles
- Conforms to acoustic requirements of Noise Insulation Regulations (NIR) 1975, one of only a small n umber of products available in th e UK

Key

MA3051

NIR 1975

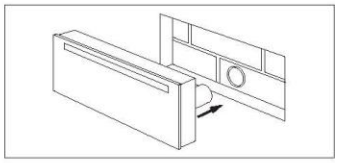
Acoustic performance
Dn,e,w: Average weighted performance across frequency range
C: Pink noise
Ctr: Road noise

Installation

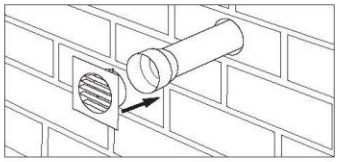
Instructions are provided with product including wall template for cut out.

Bonding compound is required to complete installation.

Protective strip to protect internal unit until decoration is complete within dwelling.

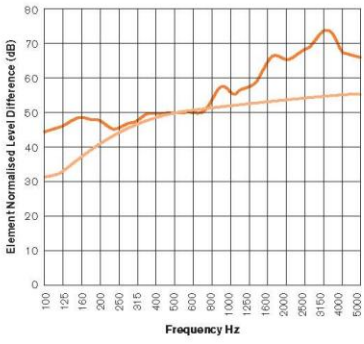


Push into cut out in wall.



Push fit external grille.

Performance



Models, control options and key data

		Acoustic performance			
Product code	**Operation**	**Dn,e,w**	**Dn,e,w (C)**	**Dn,e,w (Ctr)**	**Equivalent area mm²**
MA3051 *	Internal controllable trickle ventilator	55dB	54dB	52dB	2500

* Pricing is variable depending on quantity ordered - please call for details

Sonair 3

Acoustic (sound attenuating) filtered air supply units

For use fitted through walls

Sonair 3 provides mechanical input ventilation when switched on, when switched off provides background trickle ventilation which includes a controllable shutter.

It is designed with sound attenuating features to reduce noise transferring from outside to inside the home

Sonair 3 is a wall mounted input fan featuring a detachable remote control with an LED speed indicator.

- Sonair 3 ventilates and filters the air
- Independently tested for acoustic performance
- Exceptional sound attenuation (up to 58dB)
- Air cleaning
- Low energy





Features & Benefits

- **Meets guidelines for occupant accessibility**
- **Increase occupant awareness of system operation**
- **Discreet design**
- **power lead is 1.8m long and fitted with a 3 pin plug**
- **Supplied with a flexible 1.8m long cable with a 13 amp 3 pin plug fitted with a 3 amp fuse**

Performance

Approximate input airflow rate (m^3/h) – 20-150m^3/h

Acoustic $D_{n,e,w}$ (*/_) – $D_{n,e,w}$ (C;Ctr) 58(-1;-2)dB*

Tested to the 'Noise Insulation Regulations'.

Background ventilation rate of 2400EA when the unit is switched off, recirculation flap closed and with the shutter open

*Sound insulating tube D100 required

Product	Product Code
Sonair 3 including G4/150 Coarse 60%	352004
Sonair 3 Filter G4/150 Coarse 60%	535083
Sonair 3 Sound Insulating Tube D100	110361
100mm dia (non-sound insulating) duct 350mm long	8960097
White external grille	8960105
Brown external grille	8960102
Beige external grille	8960103

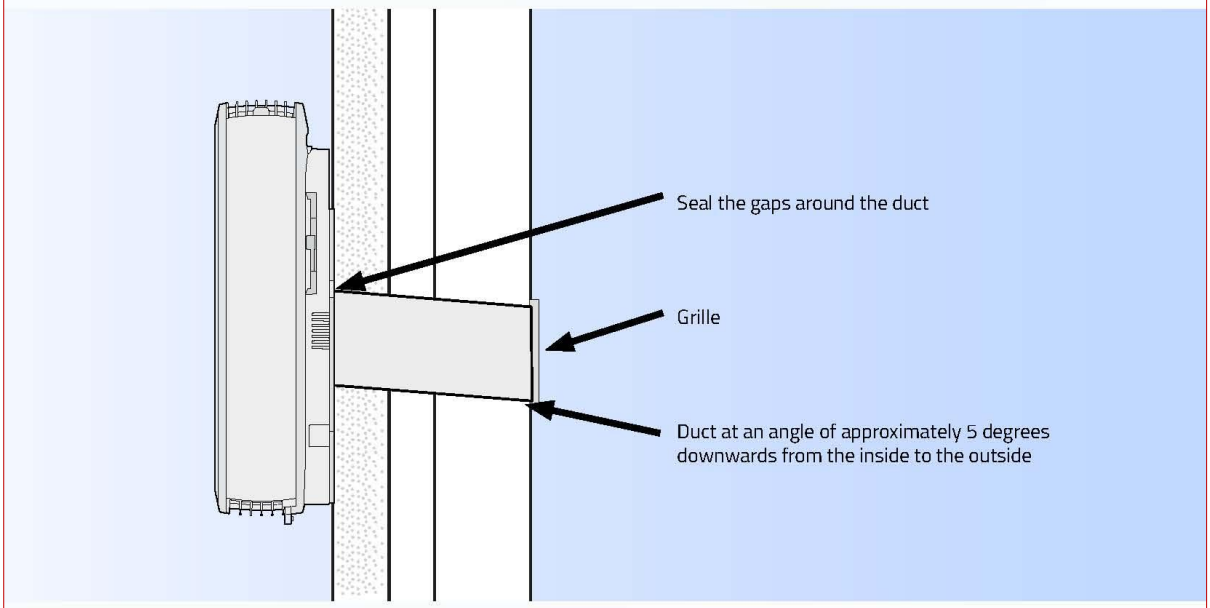
All items supplied separately

Control

The Sonair 3's portable remote control lets you control the amount of freshly supplied outdoor air. The Sonair 3 has 10 ventilation settings.

Sales and Technical Support +44 (0) 1206 713801 enquries@titon.com www.titon.com

Installation



Acoustics

As population density increases, acoustics are becoming an increasingly important factor. Consequently, there is a greater need for sound-attenuating ventilators. Standard or acoustic trickle ventilators cannot provide the necessary attenuation levels, so more sophisticated solutions are required. The Sonair 3 meets these requirements by achieving acceptable noise-reducing levels.

Sound Production

Sound pressure level, LpA; 10 m² according to ISO 3741.

Speed Setting	Approximate Capacity	Sonair 3
		G4/ISO Coarse 60%
1	20m³/h	<11.3
2	30m³/h	<11.8
3	40m³/h	<15.3
4	50m³/h	20.8
5	60m³/h	24.8
6	70m³/h	29.3
7	85m³/h	33.8
8	105m³/h	39.3
9	125m³/h	43.8
10	150m³/h	49
Sound Attenuation according to ISO 10140-2 and BS EN ISO 717-1**		
	Dn,e,w (C;Ctr)	58(-1;-2)dB*

*Sound insulating tube D100 required

**Independently tested by the BRE to requirements of noise insulation regulation

Dimensions
445 (H) x 340 (W) x 134 (D)

Housing
Plastic ABS white RAL 9003

Voltage
220-240V/50 Hz

Energy Consumption
0.5W at standby to 22.7W at max speed (150m³/h)

Ventilation Capacity
Max is 41.7l/s (150m³/h) with ISO Coarse 60% filter

Duct
Ø100 mm (standard)

Warranty
2 years

More information
www.titon.com or 01206 814879

Sales and Technical Support +44 (0) 1206 713801 enquries@titon.com www.titon.com

■ Decorative radiators ■ Comfortable indoor ventilation ■ Heating and cooling ceilings ■ Clean air solutions

zehnder

Zehnder ComfoAir Q 450

Wall or floor mounted mechanical supply and extract ventilation with heat recovery (MVHR) with humidity sensor

Product data sheet

always the best climate



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Report No. P1630/01

ComfoAir Q 450

The Zehnder ComfoAir Q, with state of the art design and intelligent technology, regardless of whether you are working on a new build or an old building, with Zehnder comfortable ventilation you have an innovative, tried and tested complete system. It contains features such as its automatic modulating 'true summer by-pass, world class heat recovery efficiency and integrated humidity sensor to provide a comfortable, healthy and energy-efficient indoor climate.



Example controls - sold separately



ComfoControl RFZ



ComfoSense C67



ComfoSwitch C67



ComfoControl App

Key Benefits

- World class 96% efficiency.
- 100% full and filtered modulating summer bypass.
- Left or right hand configuration through software alone, no mechanical alteration required.
- Commissioning wizard for a quick and simple set-up process.
- Flow control to maintain commissioned flow rates.
- Adaptive comfort technology.
- Automatic passive temperature boost in summer.
- Humidity boost continuously monitors the humidity level within the home and looks for a man-made spike before boosting the unit. irrespective of distance or dilution.
- Tool free filter access.
- ISO ePM1 >65% (F7) filter option.
- App for installer and end user option.
- Wireless commissioning option.
- Remote access option.
- KNX compatibility option.
- 0-10V input option.
- Internal pre-heater option.
- Post heater control option.
- Enthalpy cube option.
- Passive House certified.

Article Numbers

Description	Product Code
Unit	
Zehnder ComfoAir Q450	471 502 019
Zehnder ComfoAir Q450 with pre-heater, right handed	471 502 020
Zehnder ComfoAir Q450 with pre-heater, left handed	471 502 021
Zehnder ComfoAir Q450 with enthalpy exchanger	471 502 022
Controls	
Controls, Zehnder ComfoSense C 67 remote display for Zehnder ComfoAir Q350/450/600, incl. mounting box	655 010 235
Controls, Zehnder ComfoSwitch C 67 speed controller for Zehnder ComfoAir Q350/450/600, incl. mounting Box	655 010 255
Controls, ComfoControl RFZ wireless controller for use with ComfoSense 67/C67 (CCRFZ)	655 000 755
Controls, ComfoControl RFZ Timer wireless controller for use with ComfoSense 67/C67	655 000 780
Controls, Zehnder ComfoConnect KNX C for ComfoAir Q350/450/600	655 011 120
Controls, Zehnder ComfoConnect LAN C for ComfoAir Q350/450/600	655 011 100
Controls, Zehnder Option Box with additional connectivity for Zehnder ComfoAir Q350/450/600	471 502 105
Controls, Zehnder ComfoSplitter for ComfoAir Q350/450/600	655 010 275
Zehnder RF-PCB to offer wireless connectivity to the CCRFZ without the use of a ComfoSense C67	400 502 016
Controls, 12V 0-10V CO2 sensor and combined three position switch	655 000 855

ComfoAir Q 450

Article Numbers

Description	Product Code
Support Frame	
Support frame for Zehnder ComfoAir Q350/450/600, height 252 mm	471 502 008
Filters	
Filter for Zehnder ComfoAir Q350/450/600, ISO Coarse >65% (G4), 2 Pieces	400 502 012
Filter for Zehnder ComfoAir Q350/450/600, ISO Coarse >65% (G4), 10 Pieces	400 502 014
Filter for Zehnder ComfoAir Q350/450/600, ISO Coarse >50%/ISO ePM10 >50% activated carbon (G4/M5), 2 Pieces	400 100 097
Filter for Zehnder ComfoAir Q350/450/600, ISO Coarse >65%/ISO ePM1 >65% (G4/F7), 2 Pieces	400 502 013
Filter for Zehnder ComfoAir Q350/450/600, ISO ePM1 >65% (F7), 10 Pieces	400 502 015
Accessories	
Heat exchanger for Zehnder ComfoAir Q350/450/600	400 502 008
Enthalpy exchanger for Zehnder ComfoAir Q350/450/600	400 502 010

SAP PCDB

	SFP (W/l/s)		Efficiency (%)	
	2009	2012	2009	2012
K+1	-	0.54	-	96%
K+2	0.56	0.53	96%	95%
K+3	0.48	0.55	95%	94%
K+4	0.49	0.62	95%	94%
K+5	0.53	0.73	94%	93%
K+6	0.60	0.86	94%	93%
K+7	0.68	1.04	94%	93%

SEC Class

A+

Based on average climate with local demand control

Passive House Certification

	Standard heat exchanger	Enthalpy heat exchanger
Air flow range	70-345 m^3/h	70-345 m^3/h
Heat recovery rate	HR = 88%	HR = 83%
Specific electric power	Pel,spec = 0.21 Wh/m^3	Pel,spec = 0.21 Wh/m^3
Humidity recovery		x = 71%

CERTIFIED COMPONENT

Sound Data

Speed	Test area	Octave Band (Hz) Sound Power Level, dB								dB(A) @ 3 m
		63	125	250	500	1000	2000	4000	8000	
20%	Casing	42.0	37.0	40.8	28.0	24.7	22.2	12.0	10.2	16.6
	Supply/Exhaust	54.9	49.9	50.9	41.1	36.9	33.4	22.6	2.6	
	Extract/Intake	46.8	41.8	43.5	27.2	20.2	15.1	9.5	15.5	
40%	Casing	49.0	44.0	46.3	36.8	32.1	30.7	22.8	17.8	23.4
	Supply/Exhaust	61.1	56.1	57.9	50.1	44.4	42.2	33.9	19.7	
	Extract/Intake	53.6	48.6	49.1	35.8	27.5	23.2	17.5	18.1	
60%	Casing	55.7	50.7	51.5	45.2	39.1	38.7	33.0	25.1	30.2
	Supply/Exhaust	67.0	62.0	64.6	58.6	51.6	50.6	44.5	35.9	
	Extract/Intake	60.1	55.1	54.4	44.0	34.5	30.7	25.0	20.6	
80%	Casing	61.6	56.6	56.2	52.6	45.3	45.8	42.1	31.5	36.7
	Supply/Exhaust	72.3	67.3	70.5	66.1	57.9	58.0	54.0	50.3	
	Extract/Intake	65.8	60.8	59.1	51.2	40.7	37.5	31.7	22.8	
100%	Casing	64.2	59.2	58.2	55.9	48.0	48.9	46.1	34.3	39.6
	Supply/Exhaust	74.5	69.5	73.0	69.4	60.7	61.3	58.1	56.5	
	Extract/Intake	68.3	63.3	61.1	54.4	43.4	40.4	34.6	23.7	

Casing tested according to ISO 3741:2010. Supply and Extract tested according to ISO 5135:1997 showing induct sound power level corrected for end duct reflection according EN 13053:2019. Casing dB(A) @ 3 m given as hemispherical.