

|                 |               |            |                      |
|-----------------|---------------|------------|----------------------|
| <b>To:</b>      | Corbin Mingo  | <b>of:</b> | Vermont Construction |
| <b>Author:</b>  | Liam Harrison | <b>of:</b> | AEC                  |
| <b>Checked:</b> | Paul Knowles  | <b>of:</b> | AEC                  |

## Embassy Village, Manchester

### Results of Pre-Completion Testing

#### 1.0 Introduction

- 1.1 Further to the pre-completion sound insulation testing undertaken between rooms for residential use in a new build property at Embassy village, Manchester, please find the results below.
- 1.2 In terms of the testing, it should be noted that I am a registered tester under the Association of Noise Consultants (ANC's) pre-completion testing scheme.
- 1.3 The testing has been registered with the ANC and has the unique ANC Task number 170432.
- 1.4 The sound insulation testing was undertaken to demonstrate compliance with the required sound insulation performances presented in The Building Regulations 2010 approved publication Approved Document E (ADE) '*Resistance to the passage of sound*' 2003 edition (incorporating 2015 amendments).

#### 2.0 Methodology

- 2.1 The sound insulation measurements were carried out in general accordance with the standards identified below:
  - ISO 140-4: 1998 '*Acoustics - Measurement of sound insulation in buildings and of building elements - Part 4: Field measurements of airborne sound insulation between rooms*'
  - ISO 140-7: 1998 '*Acoustics - Measurement of sound insulation in buildings and of building elements - Part 7: Field measurements of impact sound insulation between rooms*'
  - BS EN ISO 3382-2: 2008 '*Acoustics – Measurement of room acoustic parameters – Part 2: Reverberation time in ordinary rooms*'
  - Test procedure in Annex B of ADE (incorporating 2015 amendments)
  - ANC '*Testers' Manual for sound insulation testing in dwellings*' (2025)
- 2.2 The test data has been analysed in full accordance with:
  - ISO 717-1: 1997 '*Acoustics. Rating of sound insulation in buildings and of building elements. Airborne sound insulation*'
  - ISO 717-2: 1997 '*Acoustics. Rating of sound insulation in buildings and of building elements. Impact sound insulation*'

### 3.0 Criteria

- 3.1 The airborne and impact sound insulation performance standards for walls and floors that have a separating function are presented in Table 0.1 of ADE and are reproduced in Table 3.1, below.

**Table 3.1 – Required Airborne and Impact Sound Insulation Performances between Purpose Built Residential Accommodation**

| Separating Structures | Airborne Sound Insulation<br>$D_{nT,w} + C_{tr}$ dB<br>(Minimum Values) | Impact Sound Insulation<br>$L'_{nT,w}$ dB<br>(Maximum Values) |
|-----------------------|-------------------------------------------------------------------------|---------------------------------------------------------------|
| Walls                 | 45                                                                      | -                                                             |
| Floors and stairs     | 45                                                                      | 62                                                            |

### 4.0 Results and Assessment

- 4.1 The airborne sound insulation performances achieved by the separating walls and floors tested are presented in Table 4.1, below, compared to the performance standards specified in ADE.

**Table 4.1 – Measured Airborne Sound Insulation Compared to the Performance Standards**

| Test ID/ | Source Room                           | Receiving Room                        | Wall/ Floor | Airborne Sound Insulation, $dBD_{nT,w} + C_{tr}$ |          |                           |
|----------|---------------------------------------|---------------------------------------|-------------|--------------------------------------------------|----------|---------------------------|
|          |                                       |                                       |             | Performance Standard                             | Measured | Performance Standard Met* |
| 02       | Pod 4 Living Room (40m <sup>3</sup> ) | Pod 2 Living Room (40m <sup>3</sup> ) | Floor       | ≥ 45                                             | 46       | ✓                         |
| 03       | Pod 2 Living Room (40m <sup>3</sup> ) | Pod 1 Living Room (40m <sup>3</sup> ) | Wall        | ≥ 45                                             | 45       | ✓                         |

\* Responsibility for deciding on compliance with Building Regulations lies with the Building Control Body

- 4.2 The impact sound insulation performance achieved by the floors tested is presented in Table 4.2, below, compared to the performance standards specified in ADE.

**Table 4.2 – Measured Impact Sound Insulation Compared to the Performance Standards**

| Test ID/ | Source Room                           | Receiving Room                        | Impact Sound Insulation, $dBL'_{nT,w}$ |          |                           |
|----------|---------------------------------------|---------------------------------------|----------------------------------------|----------|---------------------------|
|          |                                       |                                       | Performance Standard                   | Measured | Performance Standard Met* |
| 01       | Pod 4 Living Room (40m <sup>3</sup> ) | Pod 2 Living Room (40m <sup>3</sup> ) | ≤ 62                                   | 55       | ✓                         |

- 4.3 As identified in Tables 4.1 and 4.2, all walls and floors tested comply with the requirements of ADE.
- 4.4 The results of the sound insulation testing have been registered with the ANC, using their online verification system ADvANCE, and details of the task number and login password are provided in Appendix A. The test certificates for the airborne and impact sound insulation tests are shown in Appendices B and C, respectively.

## APPENDIX A – Notice to Building Control Officer



### Notice to Building Control Officer

#### Certification of Test Results

ANC operates an online, secure, paperless certification system for sound insulation tests.

The online verification (certification) system means that Building Control Bodies will need to follow the steps below to verify the results quoted in the relevant test report:

1. Go to the ANC secure server at [www.theanc.co.uk](http://www.theanc.co.uk)
2. Navigate to the [ADvANCE](#) page which links to the ANC site available for use by BCOs.
3. Enter the following in the spaces provided:  
  
Task Number: 170432  
Task Password: 4LYJX0
4. Select role "Building Control Officer" and press "Login"
5. You will then see a summary list of results of all the Tests undertaken to date for this project (Task) as held on the secure primary server and you can print this table for your records.

## APPENDIX B – Airborne Test Certificates

Standardized level difference according to ISO 140-4

Field measurements of airborne sound insulation between rooms

Client: Vermont Site: Embassy Village, Manchester

Date of test: 03/10/2025

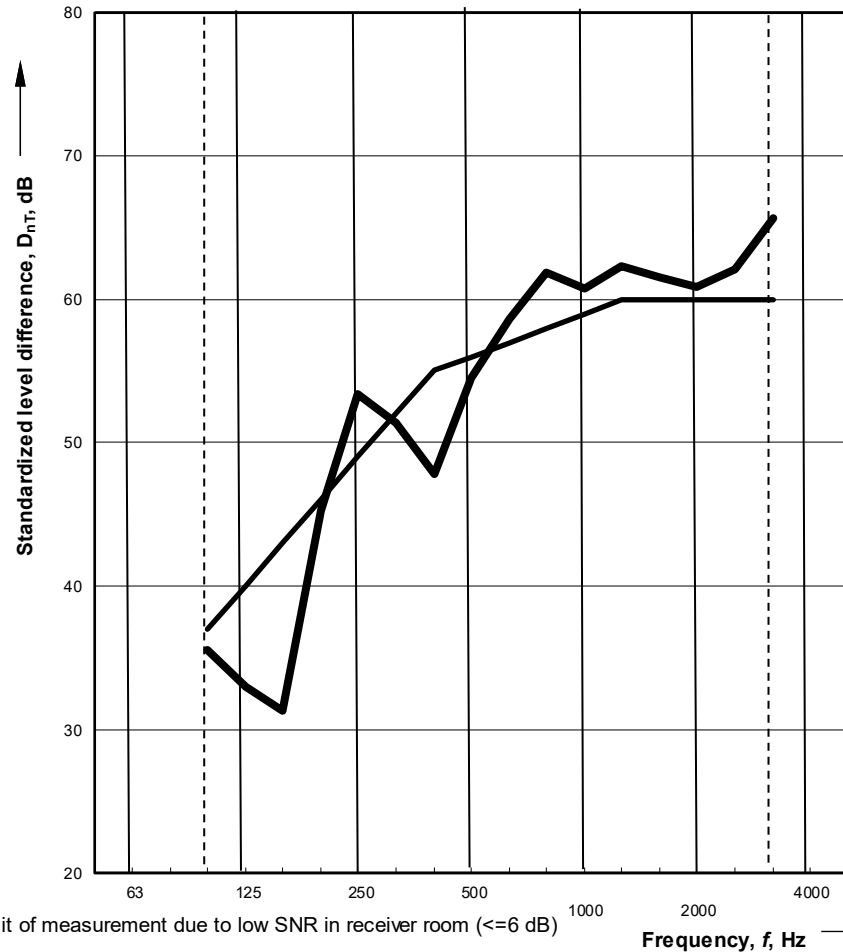
Description and identification of the building construction and test arrangement, direction of measurement:

Floor test, Pod 4 Living Room into Pod 2 Living Room

Source room volume: 40 m<sup>3</sup>  
Receiving room volume: 40 m<sup>3</sup>

--- Frequency range according to the  
— curve of reference values (ISO 717-1)

| Frequency<br><i>f</i><br>Hz | <i>D<sub>nT</sub></i><br>(one-third<br>octave)<br>dB |
|-----------------------------|------------------------------------------------------|
| 50                          |                                                      |
| 63                          |                                                      |
| 80                          |                                                      |
| 100                         | 35.5                                                 |
| 125                         | 33.0                                                 |
| 160                         | 31.3                                                 |
| 200                         | 45.2                                                 |
| 250                         | 53.4                                                 |
| 315                         | 51.4                                                 |
| 400                         | 47.8                                                 |
| 500                         | 54.5                                                 |
| 630                         | 58.6                                                 |
| 800                         | 61.9                                                 |
| 1000                        | 60.7                                                 |
| 1250                        | >= 62.3 *                                            |
| 1600                        | >= 61.5 *                                            |
| 2000                        | >= 60.8 *                                            |
| 2500                        | 62.1                                                 |
| 3150                        | 65.6                                                 |
| 4000                        |                                                      |
| 5000                        |                                                      |



\* Result should be taken as limit of measurement due to low SNR in receiver room (<=6 dB)

Rating according to ISO 717-1

$$D_{nT,w} (C; C_{tr}) = 56 ( \quad ; -10 ) \text{ dB}; \quad D_{nT,w} + C_{tr} = 46 \text{ dB}$$

Evaluation based on field measurement  
results obtained by an engineering method

No. of test report: 170432/02

Name of test institute: AEC Ltd

Date: 08/10/2025

Signature: Liam Harrison

**Standardized level difference according to ISO 140-4**  
**Field measurements of airborne sound insulation between rooms**

Client: Vermont Site: Embassy Village, Manchester

Date of test: 03/10/2025

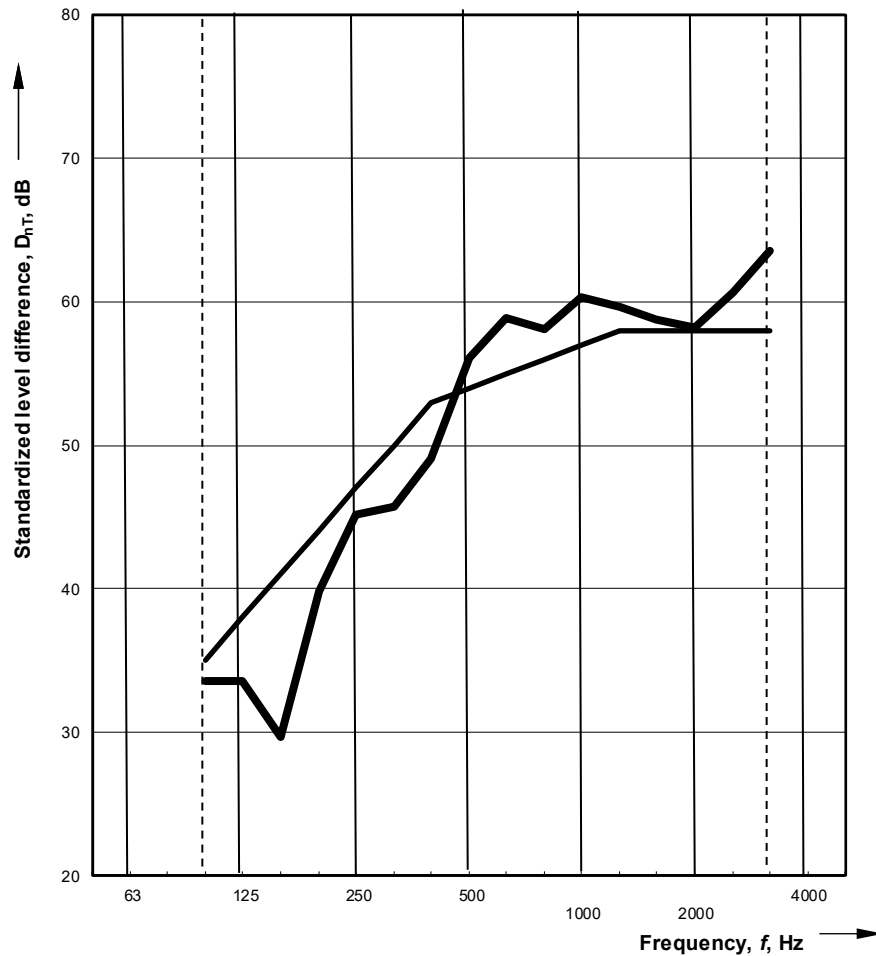
**Description and identification of the building construction and test arrangement, direction of measurement:**

Wall test, Pod 2 Living Room into Pod 1 Living Room

Source room volume: 40 m<sup>3</sup>  
 Receiving room volume: 40 m<sup>3</sup>

---- Frequency range according to the  
 ——— curve of reference values (ISO 717-1)

| Frequency<br><i>f</i><br>Hz | <i>D<sub>nT</sub></i><br>(one-third<br>octave)<br>dB |
|-----------------------------|------------------------------------------------------|
| 50                          |                                                      |
| 63                          |                                                      |
| 80                          |                                                      |
| 100                         | 33.6                                                 |
| 125                         | 33.6                                                 |
| 160                         | 29.7                                                 |
| 200                         | 39.8                                                 |
| 250                         | 45.1                                                 |
| 315                         | 45.7                                                 |
| 400                         | 49.1                                                 |
| 500                         | 56.1                                                 |
| 630                         | 58.9                                                 |
| 800                         | 58.1                                                 |
| 1000                        | 60.3                                                 |
| 1250                        | 59.7                                                 |
| 1600                        | 58.7                                                 |
| 2000                        | 58.2                                                 |
| 2500                        | 60.7                                                 |
| 3150                        | 63.6                                                 |
| 4000                        |                                                      |
| 5000                        |                                                      |



Rating according to ISO 717-1

$$D_{nT,w} (C; C_{tr}) = 54 \text{ ( ; -9 ) dB; } D_{nT,w} + C_{tr} = 45 \text{ dB}$$

Evaluation based on field measurement  
 results obtained by an engineering method

No. of test report: 170432/03  
 Date: 08/10/2025

Name of test institute: AEC Ltd  
 Signature: Liam Harrison

## APPENDIX C – Impact Test Certificates

| Standardized impact sound pressure levels according to ISO 140-7<br>Field measurements of impact sound insulation of floors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|----|--|----|--|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|------|--|--|--|--|
| Client: Vermont Site: Embassy Village, Manchester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            | Date of test: 03/10/2025                                                                                                                                                                                                        |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| <b>Description and identification of the building construction and test arrangement:</b><br>Pod 4 Living Room into Pod 2 Living Room                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| Receiving room volume: 40 m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            | <div style="display: flex; align-items: center;"> <div style="width: 20px; border-bottom: 1px dashed black; margin-right: 5px;"></div> <div>Frequency range according to the curve of reference values (ISO 717-2)</div> </div> |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Frequency<br/><i>f</i><br/>Hz</th> <th style="padding: 5px;"><i>L'_{nT}</i><br/>(one-third octave)<br/>dB</th> </tr> </thead> <tbody> <tr><td>50</td><td></td></tr> <tr><td>63</td><td></td></tr> <tr><td>80</td><td></td></tr> <tr><td>100</td><td>59.9</td></tr> <tr><td>125</td><td>58.8</td></tr> <tr><td>160</td><td>59.8</td></tr> <tr><td>200</td><td>62.6</td></tr> <tr><td>250</td><td>61.2</td></tr> <tr><td>315</td><td>57.7</td></tr> <tr><td>400</td><td>56.8</td></tr> <tr><td>500</td><td>56.3</td></tr> <tr><td>630</td><td>55.3</td></tr> <tr><td>800</td><td>52.4</td></tr> <tr><td>1000</td><td>50.5</td></tr> <tr><td>1250</td><td>47.7</td></tr> <tr><td>1600</td><td>47.2</td></tr> <tr><td>2000</td><td>45.4</td></tr> <tr><td>2500</td><td>42.9</td></tr> <tr><td>3150</td><td>37.9</td></tr> <tr><td>4000</td><td></td></tr> <tr><td>5000</td><td></td></tr> </tbody> </table> | Frequency<br><i>f</i><br>Hz                | <i>L'_{nT}</i><br>(one-third octave)<br>dB                                                                                                                                                                                      | 50 |  | 63 |  | 80 |  | 100 | 59.9 | 125 | 58.8 | 160 | 59.8 | 200 | 62.6 | 250 | 61.2 | 315 | 57.7 | 400 | 56.8 | 500 | 56.3 | 630 | 55.3 | 800 | 52.4 | 1000 | 50.5 | 1250 | 47.7 | 1600 | 47.2 | 2000 | 45.4 | 2500 | 42.9 | 3150 | 37.9 | 4000 |  | 5000 |  |  |  |  |
| Frequency<br><i>f</i><br>Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <i>L'_{nT}</i><br>(one-third octave)<br>dB |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 59.9                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 58.8                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 59.8                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 62.6                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 61.2                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 315                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 57.7                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 56.8                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 56.3                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 630                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 55.3                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 52.4                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.5                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 1250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 47.7                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 47.2                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 45.4                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 2500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42.9                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 3150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 37.9                                       |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 4000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| 5000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| Rating according to ISO 717-2<br>$L'_{nT,w} = 55 \text{ dB};$<br>Evaluation based on field measurement results obtained by an engineering method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                                                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| No. of test report: 170432/01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            | Name of test institute: AEC Ltd                                                                                                                                                                                                 |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |
| Date: 08/10/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            | Signature: Liam Harrison                                                                                                                                                                                                        |    |  |    |  |    |  |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |      |  |  |  |  |