# Appendix 3.1 Impact Noise Monitoring Data & Graphical Presentations & Calibration Certificates

Impact Noise Monitoring Data & Graphical Presentations & Calibration Certificates (sourced from the First Phase ET)

**Noise Monitoring Results (January 2026)**

**For Contract No. ND/2024/01**

| Location CP-KTN-NMS2 - Residential Buildings at Ma Tso Lung (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min)[1] | | | Average dB(A)[1] | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 6-Jan-26 | Sunny | 9:10 | 57.2 | 58.6 | 55.4 | 56.5 | 58.6 |
| | | 9:15 | 56.8 | 58.2 | 55.6 | | |
| | | 9:20 | 56.6 | 57.5 | 55.6 | | |
| | | 9:25 | 56.5 | 57.1 | 55.4 | | |
| | | 9:30 | 55.8 | 56.3 | 55.4 | | |
| | | 9:35 | 55.7 | 56.4 | 55.1 | | |
| 12-Jan-26 | Sunny | 13:20 | 56.4 | 58.6 | 54.2 | 55.8 | |
| | | 13:25 | 54.8 | 55.1 | 52.4 | | |
| | | 13:30 | 53.8 | 54.1 | 53.1 | | |
| | | 13:35 | 53.6 | 4.5 | 53.2 | | |
| | | 13:40 | 59.2 | 63.8 | 53.4 | | |
| | | 13:45 | 54.1 | 54.6 | 53.5 | | |
| 22-Jan-26 | Cloudy | 10:21 | 57.5 | 60.8 | 46.7 | 55.3 | |
| | | 10:26 | 51.9 | 54.3 | 45.5 | | |
| | | 10:31 | 54.7 | 55.4 | 45.9 | | |
| | | 10:36 | 51.7 | 55.0 | 46.6 | | |
| | | 10:41 | 56.9 | 59.6 | 47.2 | | |
| | | 10:46 | 55.7 | 59.2 | 47.1 | | |
| 28-Jan-26 | Cloudy | 13:20 | 55.1 | 56.6 | 53.6 | 57.3 | |
| | | 13:25 | 57.4 | 59.4 | 53.5 | | |
| | | 13:30 | 60.5 | 63.0 | 53.2 | | |
| | | 13:35 | 56.5 | 59.3 | 53.1 | | |
| | | 13:40 | 56.0 | 57.4 | 52.8 | | |
| | | 13:45 | 55.5 | 57.8 | 52.9 | | |

Remark(s):
(1) Correction of +3dB (A) for free-field measurement.

| Location CP-KTN-NMS3 - Fung Kong Garden (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min)[1] | | | Average dB(A)[1] | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 6-Jan-26 | Sunny | 9:55 | 54.0 | 55.3 | 52.7 | 53.2 | 51.6 |
| | | 10:00 | 53.5 | 54.6 | 52.1 | | |
| | | 10:05 | 53.4 | 54.6 | 51.9 | | |
| | | 10:10 | 53.3 | 54.8 | 51.9 | | |
| | | 10:15 | 52.8 | 54.0 | 51.5 | | |
| | | 10:20 | 52.2 | 53.1 | 51.4 | | |
| 12-Jan-26 | Sunny | 14:05 | 52.4 | 53.4 | 51.1 | 53.1 | |
| | | 14:10 | 54.4 | 56.3 | 51.5 | | |
| | | 14:15 | 52.5 | 53.6 | 51.0 | | |
| | | 14:20 | 53.2 | 55.3 | 51.4 | | |
| | | 14:25 | 53.1 | 54.7 | 51.0 | | |
| | | 14:30 | 52.8 | 53.9 | 51.7 | | |
| 22-Jan-26 | Cloudy | 11:02 | 53.5 | 55.6 | 50.4 | 54.1 | |
| | | 11:07 | 53.2 | 54.9 | 50.9 | | |
| | | 11:12 | 53.5 | 55.3 | 50.1 | | |
| | | 11:17 | 53.0 | 57.7 | 50.8 | | |
| | | 11:22 | 55.5 | 57.7 | 51.5 | | |
| | | 11:27 | 55.0 | 55.4 | 49.8 | | |
| 28-Jan-26 | Cloudy | 14:05 | 57.2 | 58.3 | 49.6 | 53.9 | |
| | | 14:10 | 57.2 | 59.7 | 49.9 | | |
| | | 14:15 | 51.6 | 53.0 | 50.0 | | |
| | | 14:20 | 50.0 | 51.2 | 48.1 | | |
| | | 14:25 | 48.8 | 50.4 | 47.1 | | |
| | | 14:30 | 49.4 | 51.3 | 47.0 | | |

Remark(s):
(1) Correction of +3dB (A) for free-field measurement.

**Noise Monitoring Results (January 2026)**

| Location CP-KTN-NMS6 - Ho Sheung Heung, Hau Ku Shek Ancestral Hall, Hung Shing Temple & Pai Fung Temple and Sin Wai Nunnery (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min) | | | Average dB(A) | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 6-Jan-26 | Sunny | 10:35 | 54.1 | 54.6 | 53.4 | 56.5 | 55.1 |
| | | 10:40 | 55.8 | 56.6 | 53.4 | | |
| | | 10:45 | 57.4 | 60.1 | 53.8 | | |
| | | 10:50 | 54.8 | 55.7 | 53.6 | | |
| | | 10:55 | 55.2 | 56.1 | 54.2 | | |
| | | 11:00 | 59.3 | 61.6 | 53.8 | | |
| 12-Jan-26 | Sunny | 14:45 | 56.2 | 57.0 | 55.2 | 56.8 | |
| | | 14:50 | 59.0 | 61.3 | 53.7 | | |
| | | 14:55 | 52.9 | 54.5 | 52.0 | | |
| | | 15:00 | 59.4 | 64.0 | 52.1 | | |
| | | 15:05 | 54.4 | 56.4 | 51.9 | | |
| | | 15:10 | 55.4 | 57.7 | 52.4 | | |
| 22-Jan-26 | Cloudy | 13:35 | 63.8 | 66.3 | 55.7 | 62.1 | |
| | | 13:40 | 61.4 | 63.9 | 55.1 | | |
| | | 13:45 | 52.8 | 64.5 | 55.3 | | |
| | | 13:50 | 61.3 | 52.9 | 54.8 | | |
| | | 13:55 | 61.9 | 53.5 | 55.1 | | |
| | | 14:00 | 60.7 | 52.8 | 57.7 | | |
| 28-Jan-26 | Cloudy | 14:45 | 58.8 | 60.9 | 56.4 | 59.9 | |
| | | 14:50 | 63.9 | 66.2 | 56.7 | | |
| | | 14:55 | 58.0 | 59.3 | 54.2 | | |
| | | 15:00 | 58.9 | 61.4 | 54.4 | | |
| | | 15:05 | 57.9 | 60.7 | 54.1 | | |
| | | 15:10 | 58.3 | 61.2 | 54.3 | | |

**For Contract No. ND/2024/06**

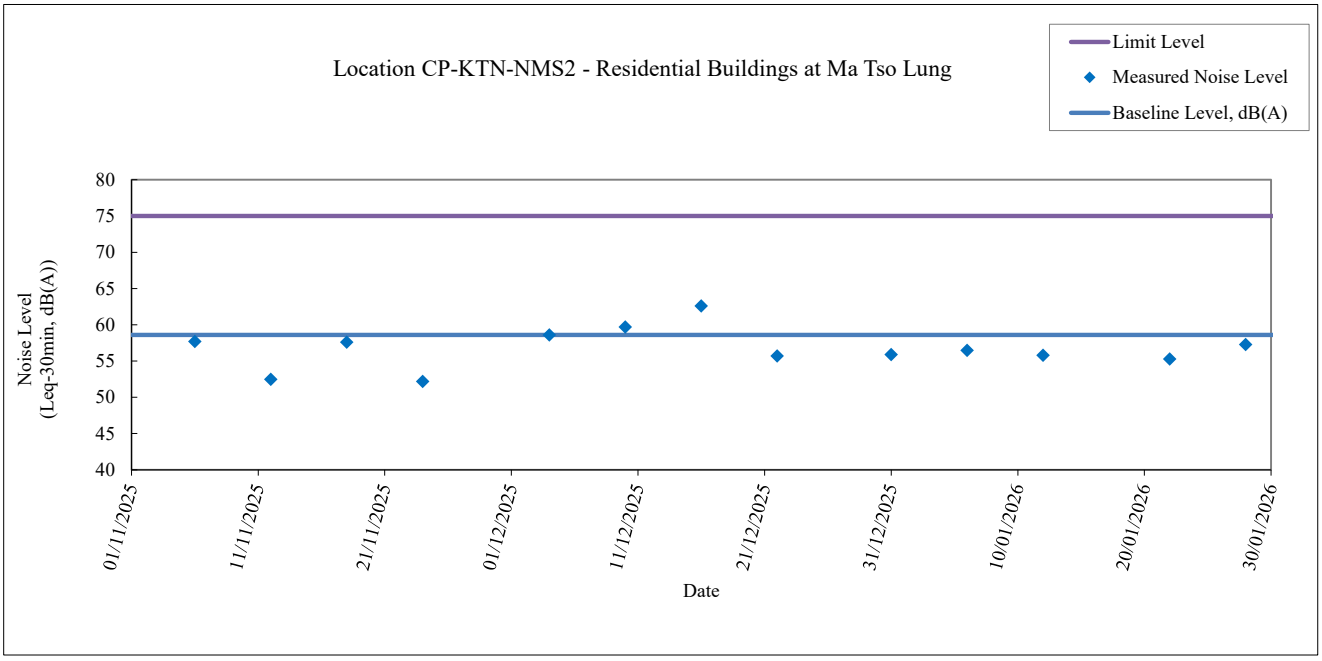
| Location CP-KTN-NMS5 - N/A | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min)[1] | | | Average dB(A)[1] | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 6-Jan-26 | Sunny | 11:25 | 52.5 | 53.8 | 49.3 | 54.7 | 57.2 |
| | | 11:30 | 53.7 | 55.1 | 50.2 | | |
| | | 11:35 | 54.1 | 54.7 | 49.5 | | |
| | | 11:40 | 50.4 | 52.9 | 48.3 | | |
| | | 11:45 | 58.1 | 59.3 | 51.7 | | |
| | | 11:50 | 55.3 | 57.2 | 50.8 | | |
| 12-Jan-26 | Sunny | 15:50 | 50.3 | 51.7 | 44.8 | 49.0 | |
| | | 15:55 | 48.6 | 49.7 | 44.3 | | |
| | | 16:00 | 47.3 | 48.5 | 44.1 | | |
| | | 16:05 | 49.3 | 50.8 | 44.6 | | |
| | | 16:10 | 49.5 | 50.3 | 44.4 | | |
| | | 16:15 | 48.1 | 49.6 | 44.1 | | |
| 22-Jan-26 | Cloudy | 11:30 | 55.6 | 56.9 | 49.2 | 55.6 | |
| | | 11:35 | 56.9 | 58.1 | 49.6 | | |
| | | 11:40 | 56.3 | 57.4 | 49.3 | | |
| | | 11:45 | 54.7 | 55.8 | 48.9 | | |
| | | 11:50 | 54.2 | 55.6 | 49.1 | | |
| | | 11:55 | 55.6 | 56.3 | 50.1 | | |
| 28-Jan-26 | Cloudy | 15:40 | 46.8 | 48.7 | 44.3 | 49.3 | |
| | | 15:45 | 50.5 | 52.1 | 46.3 | | |
| | | 15:50 | 49.7 | 51.4 | 45.5 | | |
| | | 15:55 | 48.6 | 49.8 | 44.7 | | |
| | | 16:00 | 49.6 | 50.3 | 45.1 | | |
| | | 16:05 | 49.8 | 50.7 | 45.4 | | |

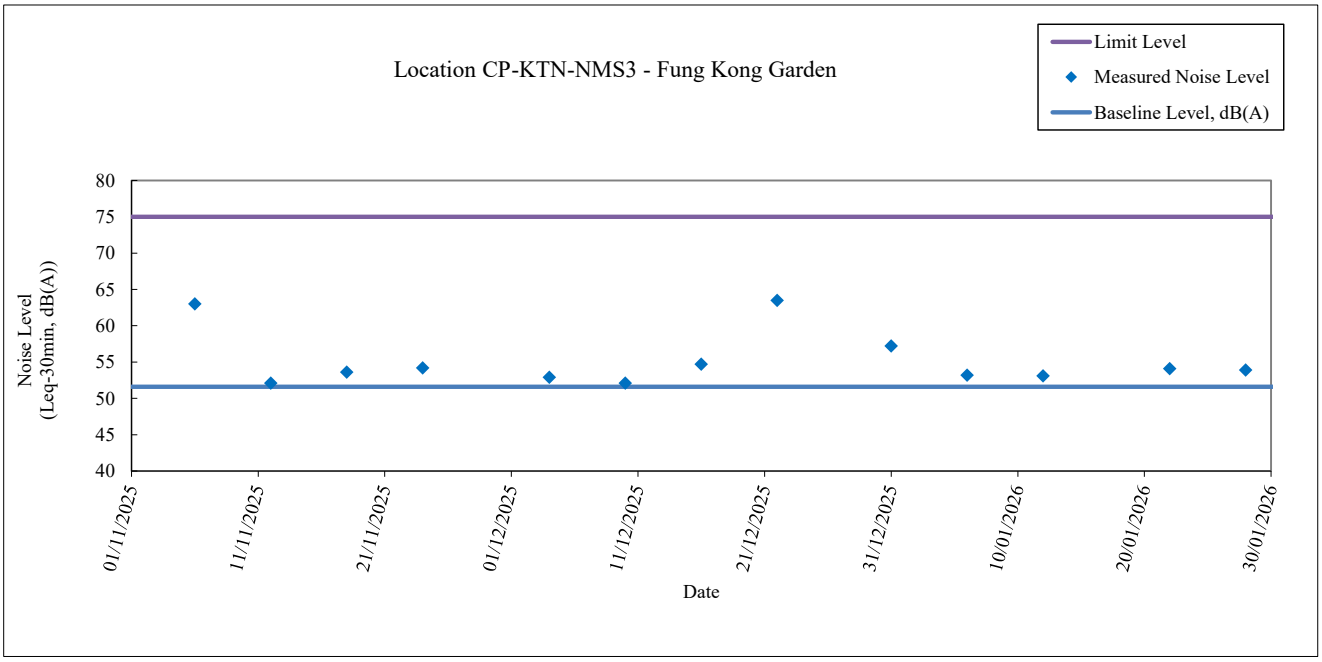
Remark(s):
(1) Correction of +3dB (A) for free-field measurement.

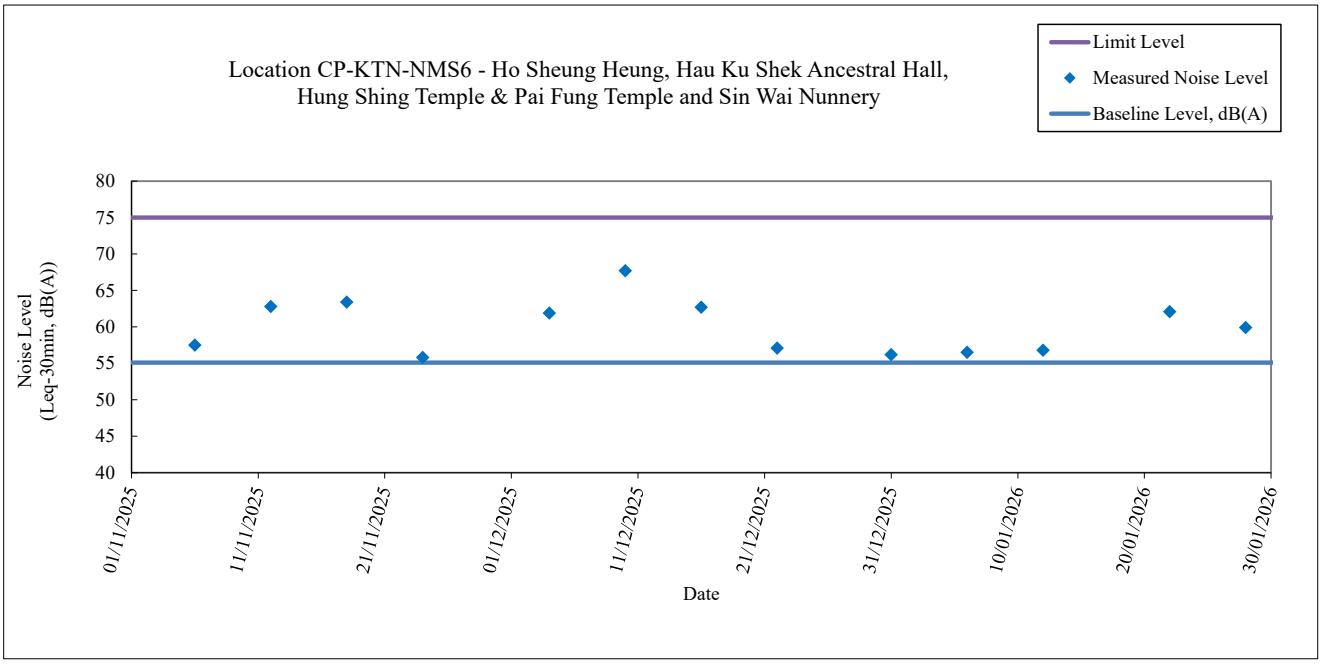
**Noise Monitoring Results (January 2026)**

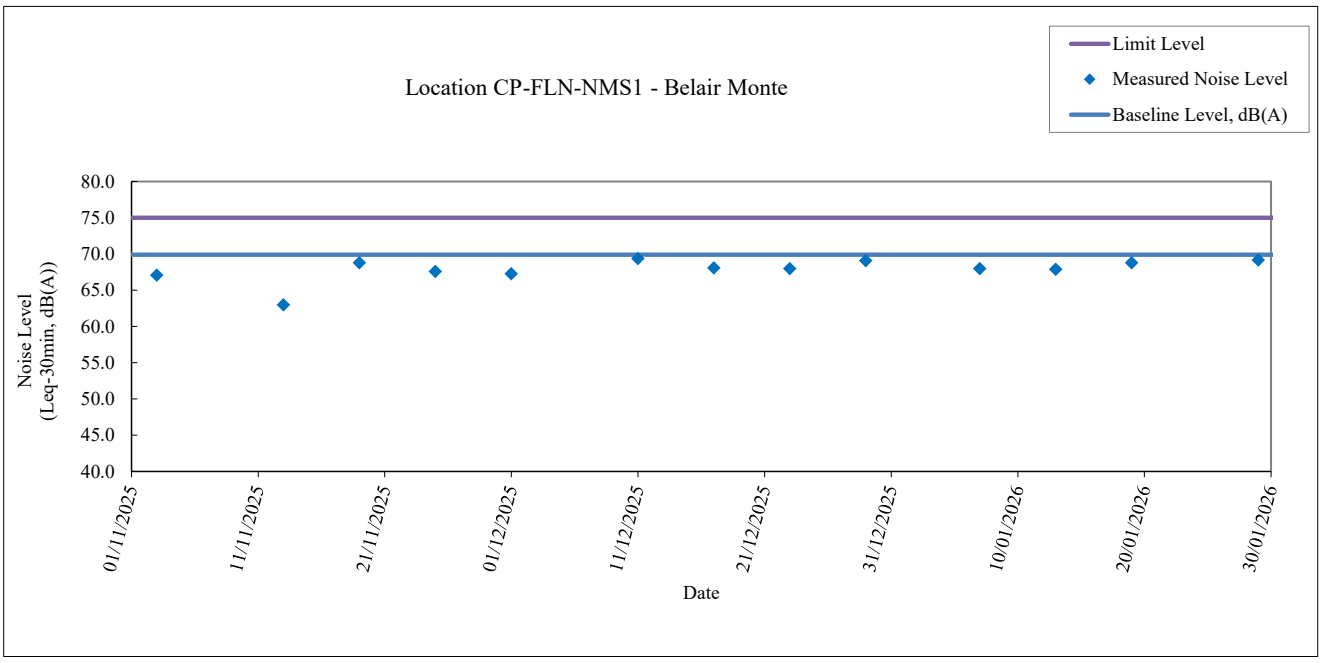
**For Contract No. ND/2024/06 and ND/2024/07**

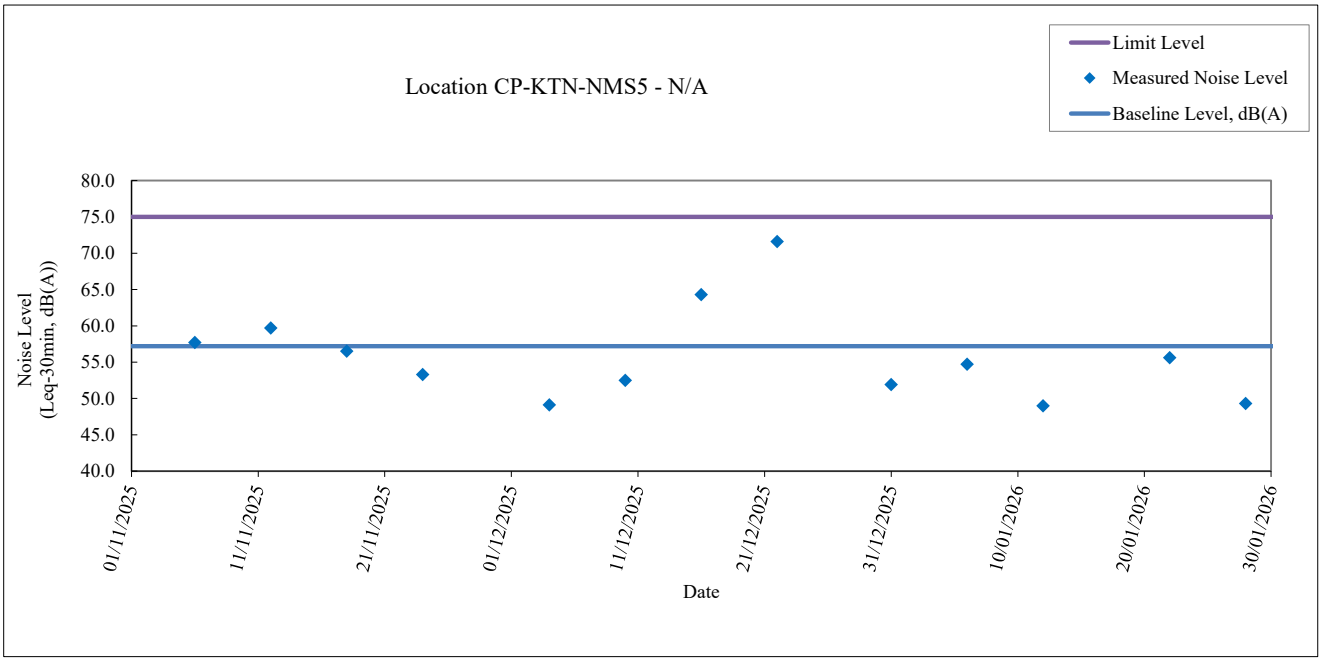
| Location CP-FLN-NMS1 - Belair Monte (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min) | | | Average dB(A) | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 7-Jan-26 | Sunny | 13:00 | 66.8 | 68.5 | 62.4 | 68.0 | 69.9 |
| | | 13:05 | 67.4 | 69.3 | 63.1 | | |
| | | 13:10 | 67.9 | 69.7 | 63.8 | | |
| | | 13:15 | 69.7 | 71.3 | 63.9 | | |
| | | 13:20 | 68.5 | 69.6 | 62.9 | | |
| | | 13:25 | 67.1 | 69.3 | 63.1 | | |
| 13-Jan-26 | Sunny | 15:15 | 67.5 | 68.8 | 61.5 | 67.9 | |
| | | 15:20 | 69.3 | 71.6 | 62.7 | | |
| | | 15:25 | 67.8 | 70.4 | 62.3 | | |
| | | 15:30 | 67.3 | 69.7 | 61.9 | | |
| | | 15:35 | 66.9 | 69.5 | 61.4 | | |
| | | 15:40 | 68.2 | 70.1 | 62.1 | | |
| 19-Jan-26 | Sunny | 13:15 | 69.7 | 71.4 | 63.5 | 68.8 | |
| | | 13:20 | 68.5 | 69.3 | 62.9 | | |
| | | 13:25 | 66.9 | 68.8 | 63.1 | | |
| | | 13:30 | 67.3 | 70.6 | 63.8 | | |
| | | 13:35 | 70.3 | 72.1 | 64.1 | | |
| | | 13:40 | 69.1 | 71.6 | 63.6 | | |
| 29-Jan-26 | Cloudy | 13:25 | 68.1 | 69.4 | 63.2 | 69.2 | |
| | | 13:30 | 70.4 | 71.6 | 63.8 | | |
| | | 13:35 | 69.5 | 71.3 | 63.7 | | |
| | | 13:40 | 68.5 | 70.6 | 63.3 | | |
| | | 13:45 | 67.9 | 69.8 | 63.1 | | |
| | | 13:50 | 70.3 | 71.7 | 63.6 | | |


Location CP-KTN-NMS2 - Residential Buildings at Ma Tso Lung
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level
(Leq-30min, dB(A))
80
75
70
65
60
55
50
45
40
01/11/2025
11/11/2025
21/11/2025
01/12/2025
11/12/2025
21/12/2025
31/12/2025
10/01/2026
20/01/2026
30/01/2026
Date


Location CP-KTN-NMS3 - Fung Kong Garden
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level
(Leq-30min, dB(A))
80
75
70
65
60
55
50
45
40
01/11/2025
11/11/2025
21/11/2025
01/12/2025
11/12/2025
21/12/2025
31/12/2025
10/01/2026
20/01/2026
30/01/2026
Date


Location CP-KTN-NMS6 - Ho Sheung Heung, Hau Ku Shek Ancestral Hall, Hung Shing Temple & Pai Fung Temple and Sin Wai Nunnery
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level (Leq-30min, dB(A))
80
75
70
65
60
55
50
45
40
01/11/2025
11/11/2025
21/11/2025
01/12/2025
11/12/2025
21/12/2025
31/12/2025
10/01/2026
20/01/2026
30/01/2026
Date


Location CP-FLN-NMS1 - Belair Monte
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level (Leq-30min, dB(A))
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
01/11/2025
11/11/2025
21/11/2025
01/12/2025
11/12/2025
21/12/2025
31/12/2025
10/01/2026
20/01/2026
30/01/2026
Date


Location CP-KTN-NMS5 - N/A
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level
(Leq-30min, dB(A))
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
01/11/2025
11/11/2025
21/11/2025
01/12/2025
11/12/2025
21/12/2025
31/12/2025
10/01/2026
20/01/2026
30/01/2026
Date

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New Territories, Hong Kong
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Website : www.wellab.com.hk

# TEST REPORT

**APPLICANT:** **Wellab Limited**
**(EM&A Department)**
**Room 1808, Technology Park,**
**18 On Lai Street,**
**Shatin, NT, Hong Kong**

| | |
|---|---|
| Test Report No.: | 41977C_V1 |
| Date of Issue: | 2025-08-15 |
| Date Received: | 2025-02-26 |
| Date Tested: | 2025-02-26 |
| Date Completed: | 2025-03-03 |
| Next Due Date: | 2026-03-02 |
| Page: | 1 of 1 |

**ATTN:** **Ms. Meiling Tang**

## Certificate of Calibration

**Item for calibration:**

| | |
|---|---|
| Description | : Sound Level Meter |
| Manufacturer | : BSWA |
| Model No. | : BSWA 308 |
| Serial No. | : 580006 |
| Equipment No. | : WN-01-05 |

**Test conditions:**

| | |
|---|---|
| Room Temperature | : 17-22 degree Celsius |
| Relative Humidity | : 40-70% |

**Test Specifications:**

Performance checking at 94 and 114 dB

**Methodology:**

In-house method, according to manufacturer instruction manual

**Results:**

| Reference Set Point, dB | Instrument Readings, dB |
|---|---|
| 94 | 94.0 |
| 114 | 114.0 |

Remarks: This report supersedes the one dated 2025/03/03 with certificate number 41977C.

*PREPARED AND CHECKED BY:*
For and On Behalf of **WELLAB Ltd.**

**PATRICK TSE**
*General Manager*

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Room 1714, Technology Park
18 On Lai Street, Shatin
New Territories, Hong Kong
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Website : www.wellab.com.hk

# TEST REPORT

**APPLICANT:** **Wellab Limited**
**(EM&A Department)**
**Room 1808, Technology Park,**
**18 On Lai Street,**
**Shatin, NT, Hong Kong**

| | |
|---|---|
| Test Report No.: | 41978 |
| Date of Issue: | 2025-03-10 |
| Date Received: | 2025-03-07 |
| Date Tested: | 2025-03-07 |
| Date Completed: | 2025-03-10 |
| Next Due Date: | 2026-03-09 |
| Page: | 1 of 1 |

**ATTN:** **Ms. Meiling Tang**

## Certificate of Calibration

**Item for calibration:**

| | |
|---|---|
| Description | : Sound Level Meter |
| Manufacturer | : BSWA |
| Model No. | : BSWA 308 |
| Serial No. | : 580011 |
| Equipment No. | : WN-01-08 |

**Test conditions:**

| | |
|---|---|
| Room Temperature | : 17-22 degree Celsius |
| Relative Humidity | : 40-70% |

**Test Specifications:**

Performance checking at 94 and 114 dB

**Methodology:**

In-house method, according to manufacturer instruction manual

**Results:**

| Reference Set Point, dB | Instrument Readings, dB |
|---|---|
| 94 | 94.0 |
| 114 | 114.0 |

*PREPARED AND CHECKED BY:*
For and On Behalf of **WELLAB Ltd.**

**PATRICK TSE**
*General Manager*

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# TEST REPORT

**APPLICANT:** **Wellab Limited**
**(EM&A Department)**
**Room 2013, Technology Park,**
**18 On Lai Street,**
**Shatin, NT, Hong Kong**

| | |
|---|---|
| Test Report No.: | 43082 |
| Date of Issue: | 2025-10-02 |
| Date Received: | 2025-09-30 |
| Date Tested: | 2025-09-30 |
| Date Completed: | 2025-10-02 |
| Next Due Date: | 2026-10-01 |
| Page: | 1 of 1 |

**ATTN:** **Ms. Meiling Tang**

## Certificate of Calibration

**Item for calibration:**

| | |
|---|---|
| Description | : Acoustical Calibrator |
| Manufacturer | : SVANTEK |
| Model No. | : SV30A |
| Serial No. | : 24803 |
| Equipment No. | : N-09-03 |

**Test conditions:**

| | |
|---|---|
| Room Temperature | : 17-22 degree Celsius |
| Relative Humidity | : 40-70% |

**Methodology:**

The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

**Results:**

| Sound Pressure Level (1kHz) | Measured SPL | Tolerance |
|---|---|---|
| At 94 dB SPL | 94.0 | 94.0 ± 0.1 dB |
| At 114 dB SPL | 114.0 | 114.0 ± 0.1 dB |

*PREPARED AND CHECKED BY:*
For and On Behalf of **WELLAB Ltd.**

**PATRICK TSE**
*General Manager*

Impact Noise Monitoring Data & Graphical Presentations & Calibration Certificates (conducted by Remaining Phase ET)

**Noise Monitoring Result (January 2026)**

**For Contract No. ND/2024/01**

| Location CP-KTN-NMS1 - Residential Buildings at Ma Tso Lung (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min) | | | Average dB(A)[1] | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 3-Jan-26 | Fine | 13:10 | 71.3 | 74.2 | 69.5 | 65.9 | 65.7 |
| | | 13:15 | 69.4 | 73.9 | 67.9 | | |
| | | 13:20 | 53.6 | 57.2 | 47.3 | | |
| | | 13:25 | 52.9 | 56.7 | 46.8 | | |
| | | 13:30 | 53.6 | 57.2 | 48.4 | | |
| | | 13:35 | 54.4 | 57.2 | 51.1 | | |
| 9-Jan-26 | Fine | 13:39 | 51.6 | 53.4 | 47.1 | 51.9 | |
| | | 13:44 | 52.5 | 54.6 | 47.8 | | |
| | | 13:49 | 51.1 | 53.5 | 46.8 | | |
| | | 13:54 | 51.9 | 53.8 | 47.8 | | |
| | | 13:59 | 52.7 | 55.1 | 48.4 | | |
| | | 14:04 | 51.5 | 53.8 | 47.4 | | |
| 15-Jan-26 | Fine | 14:16 | 50.6 | 52.4 | 46.2 | 51.0 | |
| | | 14:21 | 51.1 | 53.0 | 47.4 | | |
| | | 14:26 | 50.5 | 52.7 | 48.5 | | |
| | | 14:31 | 51.8 | 53.7 | 48.5 | | |
| | | 14:36 | 50.3 | 52.1 | 46.1 | | |
| | | 14:41 | 51.4 | 53.2 | 46.7 | | |
| 21-Jan-26 | Fine | 13:28 | 52.3 | 54.6 | 46.9 | 52.1 | |
| | | 13:33 | 51.1 | 53.2 | 45.5 | | |
| | | 13:38 | 51.9 | 54.2 | 47.3 | | |
| | | 13:43 | 52.2 | 54.8 | 48.0 | | |
| | | 13:48 | 51.4 | 53.3 | 44.8 | | |
| | | 13:53 | 53.4 | 56.2 | 47.6 | | |
| 27-Jan-26 | Sunny | 14:14 | 52.8 | 55.1 | 45.0 | 49.9 | |
| | | 14:19 | 47.8 | 53.2 | 44.6 | | |
| | | 14:24 | 50.6 | 53.1 | 43.2 | | |
| | | 14:29 | 48.6 | 52.8 | 44.6 | | |
| | | 14:34 | 48.2 | 52.8 | 43.8 | | |
| | | 14:39 | 49.2 | 53.5 | 44.5 | | |

Remark(s):
(1) Correction of +3dB (A) for free-field measurement.

| Location CP-KTN-NMS7 - Oi Lok Home (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min) | | | Average dB(A)[1] | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 3-Jan-26 | Fine | 13:56 | 61.4 | 64.0 | 53.6 | 61.8 | 64.6 |
| | | 14:01 | 61.9 | 64.5 | 54.6 | | |
| | | 14:06 | 60.1 | 63.2 | 53.7 | | |
| | | 14:11 | 63.2 | 65.8 | 57.5 | | |
| | | 14:16 | 62.5 | 64.9 | 56.2 | | |
| | | 14:21 | 61.0 | 63.5 | 52.4 | | |
| 9-Jan-26 | Fine | 14:57 | 62.1 | 64.6 | 52.6 | 62.4 | |
| | | 15:02 | 61.5 | 64.1 | 53.2 | | |
| | | 15:07 | 62.7 | 64.5 | 52.6 | | |
| | | 15:12 | 61.2 | 63.4 | 53.3 | | |
| | | 15:17 | 64.1 | 66.7 | 58.2 | | |
| | | 15:22 | 61.9 | 64.3 | 56.7 | | |
| 15-Jan-26 | Fine | 15:35 | 62.8 | 65.9 | 57.1 | 61.6 | |
| | | 15:40 | 61.4 | 64.7 | 56.2 | | |
| | | 15:45 | 60.6 | 63.6 | 55.9 | | |
| | | 15:50 | 60.2 | 63.1 | 55.5 | | |
| | | 15:55 | 62.7 | 64.9 | 58.0 | | |
| | | 16:00 | 61.1 | 64.2 | 56.7 | | |
| 21-Jan-26 | Fine | 14:50 | 60.2 | 63.5 | 54.2 | 61.4 | |
| | | 14:55 | 62.5 | 65.1 | 57.4 | | |
| | | 15:00 | 60.5 | 63.9 | 55.3 | | |
| | | 15:05 | 61.6 | 64.0 | 56.8 | | |
| | | 15:10 | 62.1 | 64.6 | 57.6 | | |
| | | 15:15 | 60.9 | 63.3 | 56.4 | | |
| 27-Jan-26 | Fine | 15:27 | 61.3 | 63.9 | 56.9 | 63.3 | |
| | | 15:32 | 63.4 | 65.6 | 57.2 | | |
| | | 15:37 | 63.3 | 66.9 | 57.6 | | |
| | | 15:42 | 64.2 | 67.2 | 58.3 | | |
| | | 15:47 | 62.2 | 65.4 | 57.0 | | |
| | | 15:52 | 64.5 | 66.9 | 58.1 | | |

Remark(s):
(1) Correction of +3dB (A) for free-field measurement.

**Noise Monitoring Result (January 2026)**
**For Contract No. ND/2024/04**

| Location CP-FLN-NMS4(A) - Choi Ying House, Choi Po Court (Choi Yuen Estate) (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min) | | | Average dB(A)[1] | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 6-Jan-26 | Fine | 13:09 | 70.0 | 73.9 | 60.8 | 70.2 | 72.4 |
| | | 13:14 | 70.5 | 73.9 | 61.4 | | |
| | | 13:19 | 69.8 | 73.5 | 61.5 | | |
| | | 13:24 | 70.7 | 74.0 | 62.0 | | |
| | | 13:29 | 70.1 | 73.8 | 61.2 | | |
| | | 13:34 | 69.9 | 73.6 | 61.4 | | |
| 12-Jan-26 | Fine | 13:03 | 70.0 | 74.0 | 59.7 | 69.5 | |
| | | 13:08 | 69.2 | 73.3 | 60.2 | | |
| | | 13:13 | 70.5 | 74.5 | 59.1 | | |
| | | 13:18 | 69.9 | 74.1 | 59.6 | | |
| | | 13:23 | 68.6 | 72.9 | 59.4 | | |
| | | 13:28 | 68.4 | 72.4 | 59.2 | | |
| 23-Jan-26 | Fine | 13:12 | 70.2 | 73.9 | 64.4 | 69.5 | |
| | | 13:17 | 69.2 | 72.3 | 63.9 | | |
| | | 13:22 | 69.9 | 73.7 | 63.6 | | |
| | | 13:27 | 68.6 | 71.7 | 62.2 | | |
| | | 13:32 | 70.0 | 73.8 | 63.5 | | |
| | | 13:37 | 69.1 | 71.8 | 62.8 | | |
| 29-Jan-26 | Fine | 13:17 | 71.6 | 73.8 | 63.1 | 71.0 | |
| | | 13:22 | 72.0 | 74.2 | 63.4 | | |
| | | 13:27 | 70.9 | 74.5 | 64.2 | | |
| | | 13:32 | 71.1 | 74.2 | 65.3 | | |
| | | 13:37 | 70.3 | 73.4 | 64.1 | | |
| | | 13:42 | 69.7 | 73.3 | 63.4 | | |

Remark(s):
(1) Correction of +3dB (A) for free-field measurement.

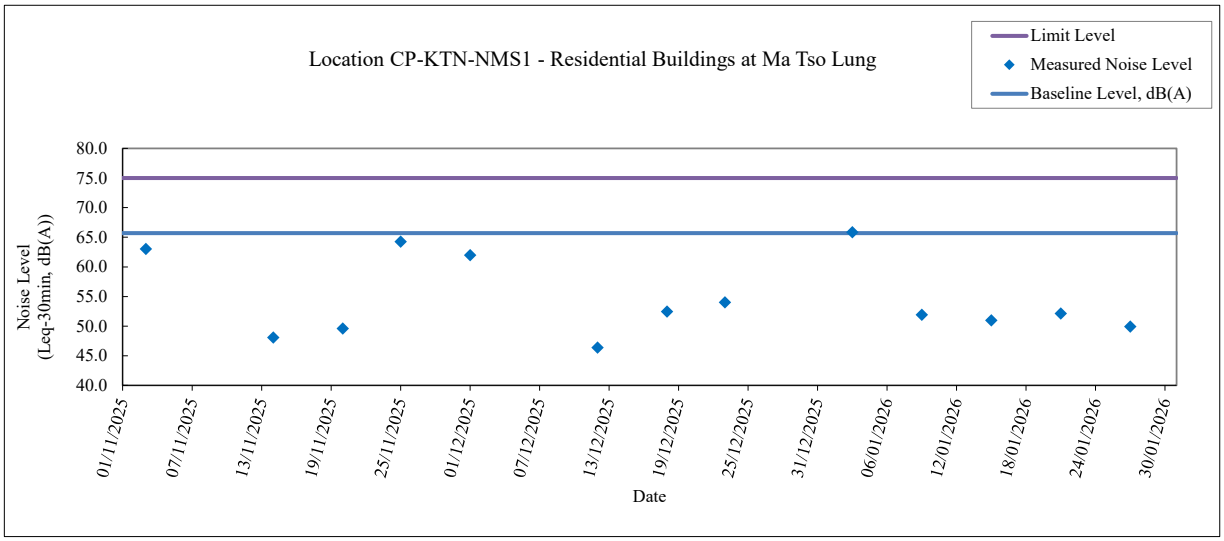
**For Contract No. ND/2024/07**

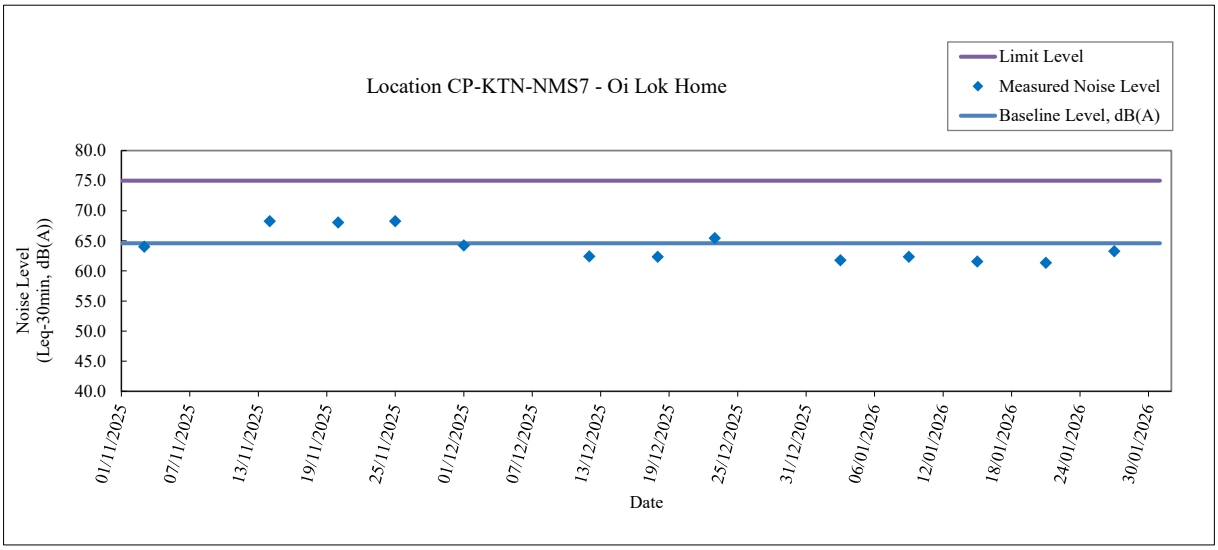
| Location CP-FLN-NMS5 - Man Kok Village (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min) | | | Average dB(A)[1] | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 6-Jan-26 | Fine | 13:56 | 69.6 | 72.9 | 61.2 | 69.9 | 69.5 |
| | | 14:01 | 70.2 | 73.6 | 61.7 | | |
| | | 14:06 | 69.9 | 73.4 | 61.3 | | |
| | | 14:11 | 70.3 | 73.7 | 63.6 | | |
| | | 14:16 | 69.7 | 73.1 | 61.0 | | |
| | | 14:21 | 69.4 | 72.8 | 61.2 | | |
| 12-Jan-26 | Fine | 14:48 | 65.5 | 68.2 | 58.7 | 65.7 | |
| | | 14:53 | 64.9 | 68.1 | 57.4 | | |
| | | 14:58 | 65.1 | 68.1 | 57.6 | | |
| | | 15:03 | 66.0 | 68.5 | 57.8 | | |
| | | 15:08 | 66.5 | 69.4 | 58.7 | | |
| | | 15:13 | 65.9 | 68.6 | 58.0 | | |
| 23-Jan-26 | Cloudy | 14:59 | 66.1 | 68.6 | 58.3 | 65.9 | |
| | | 15:04 | 66.4 | 68.6 | 58.5 | | |
| | | 15:09 | 65.0 | 68.1 | 57.6 | | |
| | | 15:14 | 65.3 | 68.4 | 56.9 | | |
| | | 15:19 | 66.7 | 68.8 | 58.7 | | |
| | | 15:24 | 65.7 | 68.5 | 58.6 | | |
| 29-Jan-26 | Fine | 15:06 | 69.1 | 70.5 | 67.7 | 70.0 | |
| | | 15:11 | 68.6 | 70.2 | 66.6 | | |
| | | 15:16 | 69.7 | 71.4 | 66.9 | | |
| | | 15:21 | 70.7 | 74.4 | 67.0 | | |
| | | 15:26 | 71.0 | 74.6 | 67.1 | | |
| | | 15:31 | 70.2 | 73.9 | 66.5 | | |

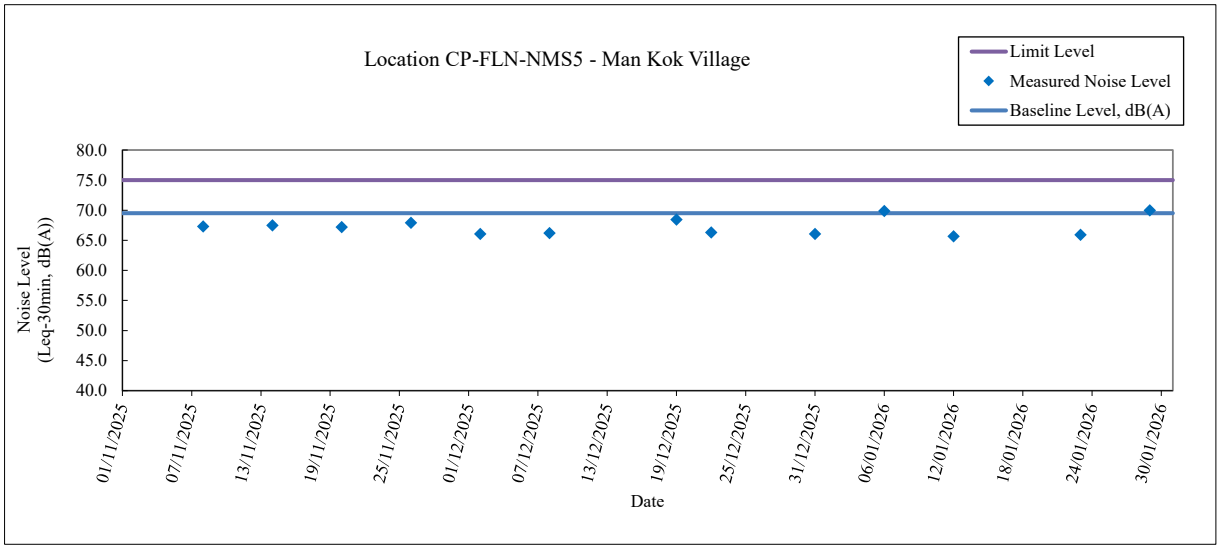
Remark(s):
(1) Correction of +3dB (A) for free-field measurement.

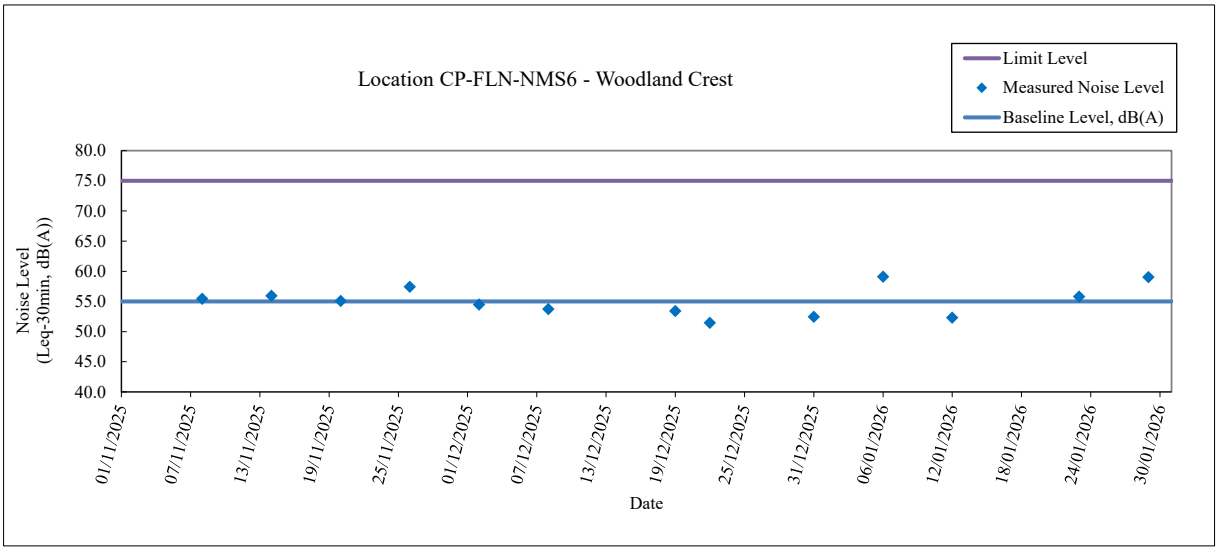
**Noise Monitoring Result (January 2026)**

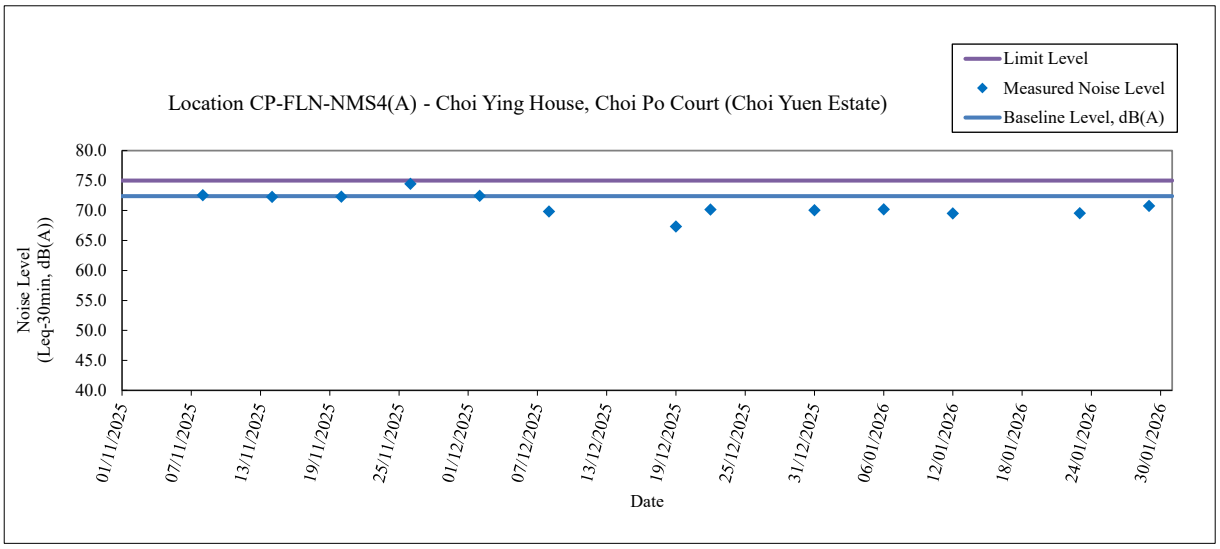
| Location CP-FLN-NMS6 - Woodland Crest (Existing) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | Weather | Time | Unit: dB (A) (5-min) | | | Average dB(A) | Baseline Level |
| | | | $L_{eq}$ | $L_{10}$ | $L_{90}$ | $L_{eq}$ | $L_{eq}$ |
| 6-Jan-26 | Fine | 14:48 | 59.8 | 62.4 | 55.7 | 59.1 | 55.0 |
| | | 14:53 | 58.8 | 61.6 | 54.4 | | |
| | | 14:58 | 58.5 | 61.1 | 54.2 | | |
| | | 15:03 | 58.2 | 60.8 | 54.2 | | |
| | | 15:08 | 59.4 | 62.1 | 55.2 | | |
| | | 15:13 | 59.7 | 62.3 | 55.6 | | |
| 12-Jan-26 | Fine | 14:04 | 52.6 | 54.0 | 48.3 | 52.3 | |
| | | 14:09 | 53.1 | 54.8 | 49.8 | | |
| | | 14:14 | 52.0 | 53.9 | 48.2 | | |
| | | 14:19 | 51.4 | 52.4 | 50.5 | | |
| | | 14:24 | 52.8 | 54.8 | 49.7 | | |
| | | 14:29 | 51.6 | 53.8 | 48.2 | | |
| 23-Jan-26 | Fine | 14:09 | 54.5 | 54.8 | 49.3 | 55.8 | |
| | | 14:14 | 56.1 | 56.6 | 49.3 | | |
| | | 14:19 | 57.0 | 59.5 | 49.2 | | |
| | | 14:24 | 55.7 | 55.8 | 48.9 | | |
| | | 14:29 | 54.4 | 55.2 | 49.2 | | |
| | | 14:34 | 56.4 | 57.4 | 49.1 | | |
| 29-Jan-26 | Fine | 14:14 | 57.5 | 60.7 | 50.6 | 59.0 | |
| | | 14:19 | 58.1 | 61.0 | 50.7 | | |
| | | 14:24 | 58.7 | 61.5 | 50.8 | | |
| | | 14:29 | 59.6 | 62.6 | 50.8 | | |
| | | 14:34 | 60.1 | 62.8 | 51.5 | | |
| | | 14:39 | 59.5 | 62.3 | 51.2 | | |


Location CP-KTN-NMS1 - Residential Buildings at Ma Tso Lung
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level (Leq-30min, dB(A))
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
01/11/2025
07/11/2025
13/11/2025
19/11/2025
25/11/2025
01/12/2025
07/12/2025
13/12/2025
19/12/2025
25/12/2025
31/12/2025
06/01/2026
12/01/2026
18/01/2026
24/01/2026
30/01/2026
Date


Location CP-KTN-NMS7 - Oi Lok Home
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level (Leq-30min, dB(A))
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
01/11/2025
07/11/2025
13/11/2025
19/11/2025
25/11/2025
01/12/2025
07/12/2025
13/12/2025
19/12/2025
25/12/2025
31/12/2025
06/01/2026
12/01/2026
18/01/2026
24/01/2026
30/01/2026
Date


Location CP-FLN-NMS5 - Man Kok Village
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level (Leq-30min, dB(A))
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
01/11/2025
07/11/2025
13/11/2025
19/11/2025
25/11/2025
01/12/2025
07/12/2025
13/12/2025
19/12/2025
25/12/2025
31/12/2025
06/01/2026
12/01/2026
18/01/2026
24/01/2026
30/01/2026
Date


Location CP-FLN-NMS6 - Woodland Crest
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level (Leq-30min, dB(A))
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
01/11/2025
07/11/2025
13/11/2025
19/11/2025
25/11/2025
01/12/2025
07/12/2025
13/12/2025
19/12/2025
25/12/2025
31/12/2025
06/01/2026
12/01/2026
18/01/2026
24/01/2026
30/01/2026
Date


Location CP-FLN-NMS4(A) - Choi Ying House, Choi Po Court (Choi Yuen Estate)
Limit Level
Measured Noise Level
Baseline Level, dB(A)
Noise Level (Leq-30min, dB(A))
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
01/11/2025
07/11/2025
13/11/2025
19/11/2025
25/11/2025
01/12/2025
07/12/2025
13/12/2025
19/12/2025
25/12/2025
31/12/2025
06/01/2026
12/01/2026
18/01/2026
24/01/2026
30/01/2026
Date

# *Certificate of Calibration*

*for*

| | |
|---|---|
| ***Description:*** | ***Sound Level Calibrator*** |
| ***Manufacturer:*** | ***RION*** |
| ***Type No.:*** | ***NC-75*** |
| ***Serial No.:*** | ***35124529*** |

***Submitted by:***

| | |
|---|---|
| *Customer:* | *Aurecon Hong Kong Limited* |
| *Address:* | *Unit 1608, 16/F, Tower B,*<br>*Manulife Financial Centre,*<br>*223-231 Wai Yip Street, Kwun Tong,*<br>*Kowloon, Hong Kong* |

**Upon receipt for calibration, the instrument was found to be:**

☑ **Within**
☐ **Outside**

**the allowable tolerance.**

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt: 15 October 2025**

**Date of calibration: 22 October 2025**

**Date of NEXT calibration: 21 October 2026**

***Calibrated by:*** _____
***Calibration Technician***

***Certified by:*** _____
***Mr. Ng Yan Wa***
***Laboratory Manager***

***Date of issue:*** **22 October 2025**

*Certificate No.: APJ25-045-CC005*



Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

## 1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

## 2. *Calibration Specifications:*

Calibration check

## 3. *Calibration Conditions:*

| | |
|---|---|
| **Air Temperature:** | 25.5 **°C** |
| **Air Pressure:** | 1008 **hPa** |
| **Relative Humidity:** | 61.5 **%** |

## 4. *Calibration Equipment:*

| Test Equipment | Type | Serial No. | Calibration Report Number | Traceable to |
|---|---|---|---|---|
| **Multifunction Calibrator** | B&K 4226 | 2288467 | AV240081 | HOKLAS |
| **Sound Level Meter** | RION NA-28 | 30721812 | AV250138 | HOKLAS |

## 5. *Calibration Results*

5.1 Sound Pressure Level

| Nominal value dB | Accept lower level dB | Accept upper level dB | Measured value dB |
|---|---|---|---|
| 94.0 | 93.6 | 94.4 | 94.0 |

## 6. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 60942 Class 1.

Note:
The values given in this certification only related to the values measured at the time of the calibration.

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L



Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
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Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

# *Certificate of Calibration*

*for*

| | |
|---|---|
| ***Description:*** | ***Sound Level Calibrator*** |
| ***Manufacturer:*** | ***RION*** |
| ***Type No.:*** | ***NC-75*** |
| ***Serial No.:*** | ***34724244*** |

***Submitted by:***

| | |
|---|---|
| *Customer:* | *Aurecon Hong Kong Limited* |
| *Address:* | *Unit 1608, 16/F, Tower B,* |
| | *Manulife Financial Centre,* |
| | *223-231 Wai Yip Street, Kwun Tong,* |
| | *Kowloon, Hong Kong* |

**Upon receipt for calibration, the instrument was found to be:**

☑ **Within**
☐ **Outside**

**the allowable tolerance.**

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt: 10 July 2025**

**Date of calibration: 11 July 2025**

**Date of NEXT calibration: 10 July 2026**

***Calibrated by:*** _____
***Calibration Technician***

***Certified by:*** _____
***Mr. Ng Yan Wa***
***Laboratory Manager***

***Date of issue: 11 July 2025***

*Certificate No.: APJ25-045-CC001*



Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

## 1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. *Calibration Specifications:*

Calibration check

## 3. *Calibration Conditions:*

| | |
|---|---|
| **Air Temperature:** | 24.6 **°C** |
| **Air Pressure:** | 1006 **hPa** |
| **Relative Humidity:** | 57.5 **%** |

## 4. *Calibration Equipment:*

| Test Equipment | Type | Serial No. | Calibration Report Number | Traceable to |
|---|---|---|---|---|
| **Multifunction Calibrator** | B&K 4226 | 2288467 | AV240081 | HOKLAS |
| **Sound Level Meter** | RION NA-28 | 30721812 | AV240109 | HOKLAS |

## 5. *Calibration Results*

5.1 Sound Pressure Level

| Nominal value dB | Accept lower level dB | Accept upper level dB | Measured value dB |
|---|---|---|---|
| 94.0 | 93.6 | 94.4 | 94.0 |

Note:
The values given in this certification only related to the values measured at the time of the calibration.



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# *Certificate of Calibration*

*for*

| | |
|---|---|
| ***Description:*** | ***Sound Level Meter*** |
| ***Manufacturer:*** | ***NTi Audio*** |
| ***Type No.:*** | ***XL2 (Serial No.: A2A-13548-E0)*** |
| ***Microphone:*** | ***ACO 7052 (Serial No.:84474)*** |
| ***Preamplifier:*** | ***NTi Audio MA220 (Serial No.:7989)*** |

***Submitted by:***

| | |
|---|---|
| *Customer:* | *Aurecon Hong Kong Limited* |
| *Address:* | *Unit 1608, 16/F, Tower B,* |
| | *Manulife Financial Centre,* |
| | *223-231 Wai Yip Street, Kwun Tong,* |
| | *Kowloon, Hong Kong.* |

**Upon receipt for calibration, the instrument was found to be:**

☑ **Within (31.5Hz – 8kHz)**
☐ **Outside**
**the allowable tolerance.**

The test equipment used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt: 19 March 2025**

**Date of calibration: 20 March 2025**

**Date of NEXT calibration: 19 March 2026**

***Calibrated by:*** _____
***Calibration Technician***

***Certified by:*** _____
***Mr. Ng Yan Wa***
***Laboratory Manager***

***Date of issue:*** **20 March 2025**

*Certificate No.: APJ24-161-CC001*



Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

## 1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

## 2. *Calibration Conditions:*

**Air Temperature:** 23.8 °C
**Air Pressure:** 1006 hPa
**Relative Humidity:** 61.4 %

## 3. *Calibration Equipment:*

| | Type | Serial No. | Calibration Report Number | Traceable to |
|---|---|---|---|---|
| **Multifunction Calibrator** | B&K 4226 | 2288467 | AV240081 | HOKLAS |

## 4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 30-130 | dBA SPL | Fast | 94 | 1000 | 94.1 | ±0.4 |

Linearity

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 30-130 | dBA SPL | Fast | 94 | 1000 | 94.1 | Ref |
| | | | 104 | | 104.1 | ±0.3 |
| | | | 114 | | 114.1 | ±0.3 |

Time Weighting

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 30-130 | dBA SPL | Fast | 94 | 1000 | 94.1 | Ref |
| | | Slow | | | 94.1 | ±0.3 |



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Frequency Response

Linear Response

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 30-130 | dB SPL | Fast | 94 | 31.5 | 94.1 | ±2.0 |
| | | | | 63 | 94.1 | ±1.5 |
| | | | | 125 | 94.1 | ±1.5 |
| | | | | 250 | 94.1 | ±1.4 |
| | | | | 500 | 94.2 | ±1.4 |
| | | | | 1000 | 94.1 | Ref |
| | | | | 2000 | 94.3 | ±1.6 |
| | | | | 4000 | 94.6 | ±1.6 |
| | | | | 8000 | 94.7 | +2.1; -3.1 |

A-weighting

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 30-130 | dBA SPL | Fast | 94 | 31.5 | 54.8 | -39.4 ±2.0 |
| | | | | 63 | 68.0 | -26.2 ±1.5 |
| | | | | 125 | 78.0 | -16.1 ±1.5 |
| | | | | 250 | 85.5 | -8.6 ±1.4 |
| | | | | 500 | 90.9 | -3.2 ±1.4 |
| | | | | 1000 | 94.1 | Ref |
| | | | | 2000 | 95.5 | +1.2 ±1.6 |
| | | | | 4000 | 95.6 | +1.0 ±1.6 |
| | | | | 8000 | 93.6 | -1.1+2.1; -3.1 |

C-weighting

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 30-130 | dBC SPL | Fast | 94 | 31.5 | 91.2 | -3.0 ±2.0 |
| | | | | 63 | 93.3 | -0.8 ±1.5 |
| | | | | 125 | 94.0 | -0.2 ±1.5 |
| | | | | 250 | 94.1 | -0.0 ±1.4 |
| | | | | 500 | 94.2 | -0.0 ±1.4 |
| | | | | 1000 | 94.1 | Ref |
| | | | | 2000 | 94.1 | -0.2 ±1.6 |
| | | | | 4000 | 93.8 | -0.8 ±1.6 |
| | | | | 8000 | 91.7 | –3.0 +2.1: –3.1 |



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## 5. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

| | | |
|---|---|---|
| 94 dB | 31.5 Hz | ± 0.10 |
| | 63 Hz | ± 0.10 |
| | 125 Hz | ± 0.10 |
| | 250 Hz | ± 0.10 |
| | 500 Hz | ± 0.05 |
| | 1000 Hz | ± 0.05 |
| | 2000 Hz | ± 0.05 |
| | 4000 Hz | ± 0.05 |
| | 8000 Hz | ± 0.10 |
| 104 dB | 1000 Hz | ± 0.05 |
| 114 dB | 1000 Hz | ± 0.05 |

The uncertainties are evaluated for a 95% confidence level.

Note:
The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.



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# *Certificate of Calibration*

*for*

| | |
|---|---|
| ***Description:*** | ***Sound Level Meter*** |
| ***Manufacturer:*** | ***NTi*** |
| ***Type No.:*** | ***XL3 (Serial No.: A3A-01229-F0)*** |
| ***Microphone:*** | ***MC230A (Serial No.: A28290)*** |
| ***Preamplifier:*** | ***MA230 (Serial No.:1794)*** |

***Submitted by:***

| | |
|---|---|
| *Customer:* | *Aurecon Hong Kong Limited* |
| *Address:* | *Unit 1608, 16/F, Tower B,* |
| | *Manulife Financial Centre,* |
| | *223-231 Wai Yip Street, Kwun Tong,* |
| | *Kowloon, Hong Kong* |

**Upon receipt for calibration, the instrument was found to be:**

☑ **Within (31.5Hz – 8kHz)**
☐ **Outside**

**the allowable tolerance.**

The test equipment used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt: 23 July 2025**

**Date of calibration: 24 July 2025**

**Date of NEXT calibration: 23 July 2026**

***Calibrated by:*** _____
***Calibration Technician***

***Certified by:*** _____
***Mr. Ng Yan Wa***
***Laboratory Manager***

***Date of issue: 24 July 2025***

*Certificate No.: APJ25-046-CC001*



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## 1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

## 2. *Calibration Conditions:*

| | |
|---|---|
| **Air Temperature:** | 24.6 °C |
| **Air Pressure:** | 1006 hPa |
| **Relative Humidity:** | 57.8 % |

## 3. *Calibration Equipment:*

| | Type | Serial No. | Calibration Report Number | Traceable to |
|---|---|---|---|---|
| **Multifunction Calibrator** | B&K 4226 | 2288467 | AV240081 | HOKLAS |

## 4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 20-120 | dBA SPL | Fast | 94 | 1000 | 94.0 | ±0.4 |

Linearity

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 20-120 | dBA SPL | Fast | 94 | 1000 | 94.0 | Ref |
| | | | 104 | | 104.0 | ±0.3 |
| | | | 114 | | 114.0 | ±0.3 |

Time Weighting

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, dB | IEC 61672 Class 1 Specification, dB |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | | |
| 20-120 | dBA SPL | Fast | 94 | 1000 | 94.0 | Ref |
| | | Slow | | | 94.0 | ±0.3 |



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Frequency Response

Linear Response

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, | IEC 61672 Class 1 |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | dB | Specification, dB |
| 20-120 | dB SPL | Fast | 94 | 31.5 | 94.3 | ±2.0 |
| | | | | 63 | 94.2 | ±1.5 |
| | | | | 125 | 94.2 | ±1.5 |
| | | | | 250 | 94.1 | ±1.4 |
| | | | | 500 | 94.1 | ±1.4 |
| | | | | 1000 | 94.0 | Ref |
| | | | | 2000 | 94.0 | ±1.6 |
| | | | | 4000 | 93.9 | ±1.6 |
| | | | | 8000 | 91.7 | +2.1; -3.1 |

A-weighting

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, | IEC 61672 Class 1 |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | dB | Specification, dB |
| 20-120 | dBA SPL | Fast | 94 | 31.5 | 54.9 | -39.4 ±2.0 |
| | | | | 63 | 68.0 | -26.2 ±1.5 |
| | | | | 125 | 78.1 | -16.1 ±1.5 |
| | | | | 250 | 85.5 | -8.6 ±1.4 |
| | | | | 500 | 90.9 | -3.2 ±1.4 |
| | | | | 1000 | 94.0 | Ref |
| | | | | 2000 | 95.2 | +1.2 ±1.6 |
| | | | | 4000 | 94.9 | +1.0 ±1.6 |
| | | | | 8000 | 90.5 | -1.1+2.1; -3.1 |

C-weighting

| Setting of Unit-under-test (UUT) | | | Applied value | | UUT Reading, | IEC 61672 Class 1 |
|---|---|---|---|---|---|---|
| Range, dB | Freq. Weighting | Time Weighting | Level, dB | Frequency, Hz | dB | Specification, dB |
| 20-120 | dBC SPL | Fast | 94 | 31.5 | 91.3 | -3.0 ±2.0 |
| | | | | 63 | 93.4 | -0.8 ±1.5 |
| | | | | 125 | 94.0 | -0.2 ±1.5 |
| | | | | 250 | 94.1 | -0.0 ±1.4 |
| | | | | 500 | 94.2 | -0.0 ±1.4 |
| | | | | 1000 | 94.0 | Ref |
| | | | | 2000 | 93.9 | -0.2 ±1.6 |
| | | | | 4000 | 93.1 | -0.8 ±1.6 |
| | | | | 8000 | 88.6 | –3.0 +2.1: –3.1 |



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## 5. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

| | | |
|---|---|---|
| 94 dB | 31.5 Hz | ± 0.05 |
| | 63 Hz | ± 0.05 |
| | 125 Hz | ± 0.05 |
| | 250 Hz | ± 0.05 |
| | 500 Hz | ± 0.05 |
| | 1000 Hz | ± 0.05 |
| | 2000 Hz | ± 0.05 |
| | 4000 Hz | ± 0.05 |
| | 8000 Hz | ± 0.10 |
| 104 dB | 1000 Hz | ± 0.05 |
| 114 dB | 1000 Hz | ± 0.05 |

The uncertainties are evaluated for a 95% confidence level.

Note:
The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.



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