

# FCC and ISED Test Report

Apple Inc  
Model: A3428



In accordance with FCC 47 CFR Part 15C and  
ISED RSS-247 and ISED RSS-GEN

Prepared for: Apple Inc  
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Document 75963993-12 Issue 01

## SIGNATURE

| NAME          | JOB TITLE            | RESPONSIBLE FOR      | ISSUE DATE      |
|---------------|----------------------|----------------------|-----------------|
| Andrew Lawson | Chief Engineer (EMC) | Authorised Signatory | 19 January 2026 |

Signatures in this approval box have checked this document in line with the requirements of TUV SUD document control rules.

## ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 15C and ISED RSS-247 and ISED RSS-GEN. The sample tested was found to comply with the requirements defined in the applied rules.

| RESPONSIBLE FOR | NAME            | DATE            | SIGNATURE |
|-----------------|-----------------|-----------------|-----------|
| Testing         | Connor Lee      | 19 January 2026 |           |
|                 | Matthew Dawkins | 19 January 2026 |           |

FCC Accreditation

492497/UK2010 Octagon House, Fareham Test Laboratory

ISED Accreditation

12669A/UK0003 Octagon House, Fareham Test Laboratory

## EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN: 2024, Issue 4 (2025-07) and Issue 5 (2018-04) + A2 (2021-02) for the tests detailed in section 1.3.



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# 1 Report Summary

## 1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

| Issue | Description of Change | Date of Issue |
|-------|-----------------------|---------------|
| 1     | First Issue           | 19-Jan-2026   |

Table 1

## 1.2 Introduction

|                               |                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------|
| Applicant                     | Apple Inc                                                                                                        |
| Manufacturer                  | Apple Inc                                                                                                        |
| EUT/Sample Identification     | Refer to section 1.6                                                                                             |
| Test Specification/Issue/Date | FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN: 2024, Issue 4 (2025-07) and Issue 5 (2018-04) + A2 (2021-02) |
| Start of Test                 | 21-November-2025                                                                                                 |
| Finish of Test                | 11-December-2025                                                                                                 |
| Name of Engineer(s)           | Connor Lee and Matthew Dawkins                                                                                   |
| Related Document(s)           | ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024                                                                      |



### 1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15C and ISED RSS-247 and ISED RSS-GEN is shown below.

| Section                                                | Specification Clause | Test Description                  | Result | Comments/Base Standard |
|--------------------------------------------------------|----------------------|-----------------------------------|--------|------------------------|
| Configuration and Mode: AC Powered - 2.4 GHz Bluetooth |                      |                                   |        |                        |
| 2.1                                                    | 15.207, 2.2 and 8.8  | AC Power Line Conducted Emissions | Pass   | ANSI C63.10 (2020)     |
| Configuration and Mode: AC Powered - 2.4 GHz WLAN      |                      |                                   |        |                        |
| 2.1                                                    | 15.207, 2.2 and 8.8  | AC Power Line Conducted Emissions | Pass   | ANSI C63.10 (2020)     |
| Configuration and Mode: AC Powered - 5 GHz WLAN        |                      |                                   |        |                        |
| 2.1                                                    | 15.207, 2.2 and 8.8  | AC Power Line Conducted Emissions | Pass   | ANSI C63.10 (2020)     |
| Configuration and Mode: AC Powered - 6 GHz WLAN        |                      |                                   |        |                        |
| 2.1                                                    | 15.207, 2.2 and 8.8  | AC Power Line Conducted Emissions | Pass   | ANSI C63.10 (2020)     |
| Configuration and Mode: AC Powered - Narrowband        |                      |                                   |        |                        |
| 2.1                                                    | 15.207, 2.2 and 8.8  | AC Power Line Conducted Emissions | Pass   | ANSI C63.10 (2020)     |

**Table 2**

## 1.4 Product Information

### 1.4.1 Technical Description

The equipment under test (EUT) was a portable laptop computer.

### 1.4.2 EUT Port/Cable Identification

| Port                                                   | Max Cable Length specified | Usage                 | Type                                      | Screened |
|--------------------------------------------------------|----------------------------|-----------------------|-------------------------------------------|----------|
| Configuration and Mode: AC Powered - Transmitters Idle |                            |                       |                                           |          |
| AC Power Port                                          | 2 m                        | Main Power            | AC to DC Power Adapter with USB-C output. | No       |
| USB Port 1                                             | 1.5 m                      | Power/Data            | USB Type-C                                | Yes      |
| USB Port 2                                             | 1.5 m                      | Power/Data            | USB Type-C                                | Yes      |
| USB Port 3                                             | 1.5 m                      | Power/Data            | USB Type-C                                | Yes      |
| HDMI Port                                              | 1.5 m                      | Display out.          | HDMI                                      | No       |
| Audio Jack Port                                        | 1 m                        | Analogue Audio Output | 3.5 mm Jack                               | No       |

**Table 3**

### 1.4.3 Test Configuration

| Configuration | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC Powered    | <p>The EUT was powered from a 115 V 60 Hz AC supply using an AC to DC adapter with USB-C output and MagSafe cable.<br/>PSU Model: A2452</p> <p>The EUT had the following connections made:</p> <ul style="list-style-type: none"><li>• A keyboard was used to terminate USB Port 1.</li><li>• USB Port 2 was unterminated.</li><li>• USB Port 3 was unterminated.</li><li>• A set of headphones were used to terminate the Audio Jack Port.</li><li>• A monitor was used to terminate the HDMI port.</li></ul> |

**Table 4**



#### 1.4.4 Modes of Operation

| Mode              | Description                                                                |
|-------------------|----------------------------------------------------------------------------|
| 2.4 GHz Bluetooth | The EUT was powered with a connection established with a CMW 500 test set. |
| 2.4 GHz WLAN      | The EUT was powered with a network link established with an access point.  |
| 5 GHz WLAN        | The EUT was powered with a network link established with an access point.  |
| 6 GHz WLAN        | The EUT was powered with a network link established with an access point.  |
| Narrowband        | The EUT was powered with a wireless link established with a slave device.  |

**Table 5**

#### 1.5 Deviations from the Standard

No deviations from the applicable test standard were made during testing.

#### 1.6 Identification of the EUT

The table below details identification of the EUT(s) that have been used to carry out the testing within this report.

| Serial Number | Hardware Version | Software Version |
|---------------|------------------|------------------|
| G7T22C0MXX    | REV1.0           | 25D53            |
| L2XFYDXDH3    | REV1.0           | 25D77a           |

**Table 6**

#### 1.7 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

| Modification State                      | Description of Modification still fitted to EUT | Modification Fitted By | Date Modification Fitted |
|-----------------------------------------|-------------------------------------------------|------------------------|--------------------------|
| Model: A3428, Serial Number: G7T22C0MXX |                                                 |                        |                          |
| 0                                       | As supplied by the customer                     | Not Applicable         | Not Applicable           |
| Model: A3428, Serial Number: L2XFYDXDH3 |                                                 |                        |                          |
| 0                                       | As supplied by the customer                     | Not Applicable         | Not Applicable           |

**Table 7**



## 1.8 Test Location

TÜV SÜD conducted the following tests at our Octagon House Test Laboratory.

| Test Name                                              | Name of Engineer(s) | Accreditation |
|--------------------------------------------------------|---------------------|---------------|
| Configuration and Mode: AC Powered - 2.4 GHz Bluetooth |                     |               |
| AC Power Line Conducted Emissions                      | Matthew Dawkins     | UKAS          |
| Configuration and Mode: AC Powered - 2.4 GHz WLAN      |                     |               |
| AC Power Line Conducted Emissions                      | Matthew Dawkins     | UKAS          |
| Configuration and Mode: AC Powered - 5 GHz WLAN        |                     |               |
| AC Power Line Conducted Emissions                      | Matthew Dawkins     | UKAS          |
| Configuration and Mode: AC Powered - 6 GHz WLAN        |                     |               |
| AC Power Line Conducted Emissions                      | Matthew Dawkins     | UKAS          |
| Configuration and Mode: AC Powered - Narrowband        |                     |               |
| AC Power Line Conducted Emissions                      | Connor Lee          | UKAS          |

**Table 8**

Office Address:

TÜV SÜD  
Octagon House  
Concorde Way  
Fareham  
Hampshire  
PO15 5RL  
United Kingdom



## 2 Test Details

### 2.1 AC Power Line Conducted Emissions

#### 2.1.1 Specification Reference

FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN, Clause 15.207, 2.2 and 8.8

#### 2.1.2 Equipment Under Test and Modification State

A3428, S/N: G7T22C0MXX - Modification State 0  
A3428, S/N: L2XFYDXDH3 - Modification State 0

#### 2.1.3 Date of Test

21-November-2025 to 11-December-2025

#### 2.1.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.2.

The EUT was placed on a non-conductive table 0.8m above a reference ground plane and 0.4m away from a vertical coupling plane

All power was connected to the EUT through an Artificial Mains Network (AMN).

Conducted disturbance voltage measurements on mains lines were made at the output of the AMN.

#### 2.1.5 Example Calculation

Quasi-Peak level (dB $\mu$ V) = Receiver level (dB $\mu$ V) + Correction Factor (dB)  
Margin (dB) = Quasi-Peak level (dB $\mu$ V) - Limit (dB $\mu$ V)

CISPR Average level (dB $\mu$ V) = Receiver level (dB $\mu$ V) + Correction Factor (dB)  
Margin (dB) = CISPR Average level (dB $\mu$ V) - Limit (dB $\mu$ V)



2.1.6 Example Test Setup Diagram

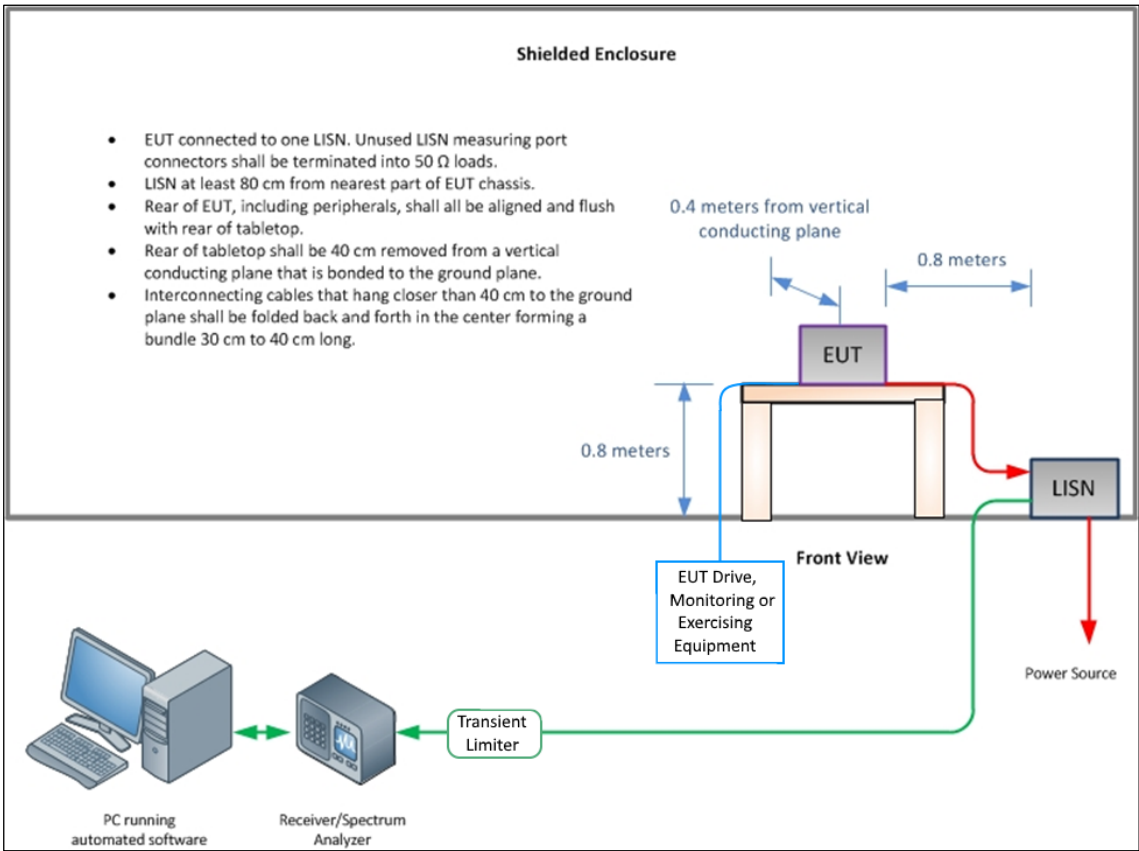


Figure 1 - Conducted Emissions Example Test Setup

2.1.7 Environmental Conditions

Ambient Temperature     18.9 - 20.3 °C  
Relative Humidity        42.7 - 53.5 %

2.1.8 Specification Limits

| Required Specification Limits - Class B                                                     |                       |                              |                                 |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------|---------------------------------|
| Line Under Test                                                                             | Frequency Range (MHz) | Quasi-Peak Test Limit (dBμV) | CISPR Average Test Limit (dBμV) |
| AC Power Port                                                                               | 0.15 to 0.5           | 66 to 56 <sup>(1)</sup>      | 56 to 46 <sup>(1)</sup>         |
|                                                                                             | 0.5 to 5              | 56                           | 46                              |
|                                                                                             | 5 to 30               | 60                           | 50                              |
| <b>Supplementary information:</b><br>Note 1. Decreases with the logarithm of the frequency. |                       |                              |                                 |

Table 9

## 2.1.9 Test Results

### Results for Configuration and Mode: AC Powered – 2.4 GHz Bluetooth.

This test was performed to the requirements of the Class B limits.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

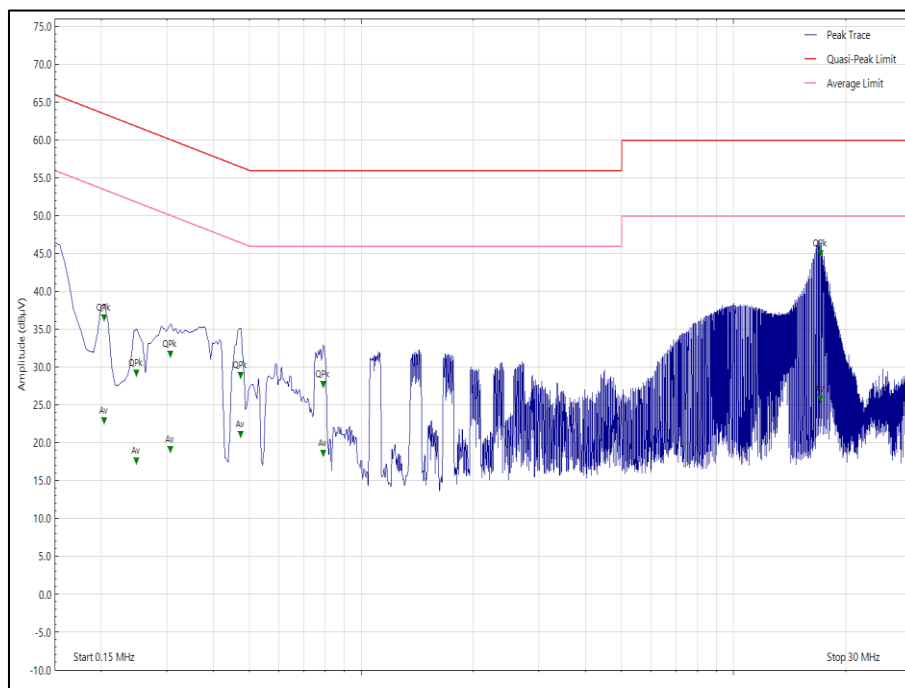


Figure 2 - Graphical Results - AC Power Port Live

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.204           | 35.79        | 63.40        | -27.61      | Q-Peak    |
| 0.204           | 22.20        | 53.40        | -31.20      | CISPR Avg |
| 0.249           | 28.46        | 61.80        | -33.34      | Q-Peak    |
| 0.249           | 16.91        | 51.80        | -34.89      | CISPR Avg |
| 0.307           | 31.05        | 60.00        | -28.95      | Q-Peak    |
| 0.307           | 18.43        | 50.00        | -31.57      | CISPR Avg |
| 0.474           | 28.21        | 56.40        | -28.19      | Q-Peak    |
| 0.474           | 20.44        | 46.40        | -25.96      | CISPR Avg |
| 0.789           | 27.00        | 56.00        | -29.00      | Q-Peak    |
| 0.789           | 17.95        | 46.00        | -28.05      | CISPR Avg |
| 17.157          | 44.32        | 60.00        | -15.68      | Q-Peak    |
| 17.157          | 25.06        | 50.00        | -24.94      | CISPR Avg |

Table 10

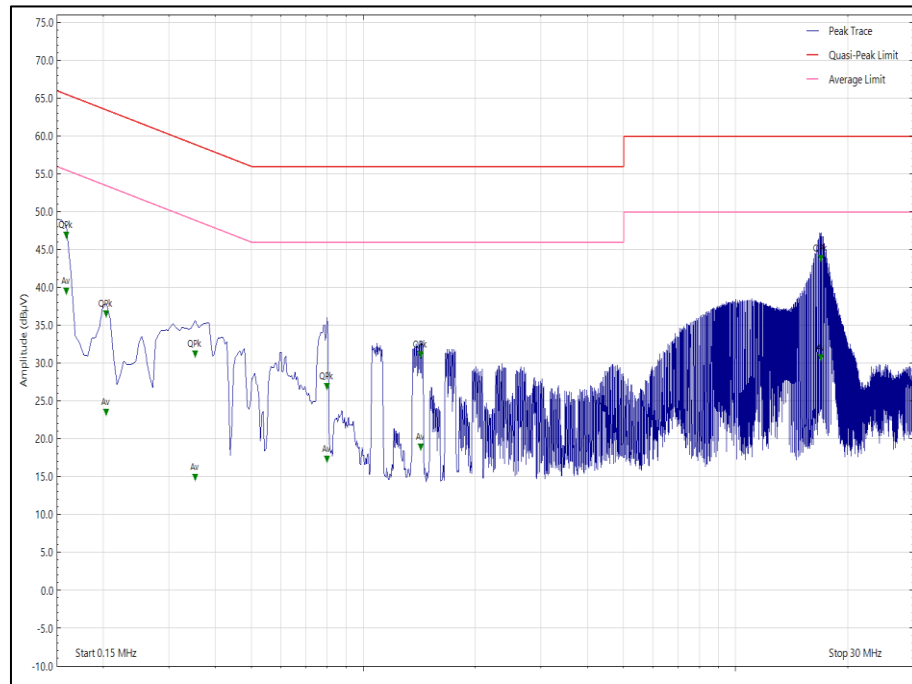


Figure 3 - Graphical Results - AC Power Port Neutral

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.159           | 46.19        | 65.50        | -19.31      | Q-Peak    |
| 0.159           | 38.78        | 55.50        | -16.72      | CISPR Avg |
| 0.204           | 35.84        | 63.40        | -27.56      | Q-Peak    |
| 0.204           | 22.81        | 53.40        | -30.59      | CISPR Avg |
| 0.353           | 30.51        | 58.90        | -28.39      | Q-Peak    |
| 0.353           | 14.27        | 48.90        | -34.63      | CISPR Avg |
| 0.798           | 26.24        | 56.00        | -29.76      | Q-Peak    |
| 0.798           | 16.57        | 46.00        | -29.43      | CISPR Avg |
| 1.428           | 30.43        | 56.00        | -25.57      | Q-Peak    |
| 1.428           | 18.18        | 46.00        | -27.82      | CISPR Avg |
| 16.941          | 43.06        | 60.00        | -16.94      | Q-Peak    |
| 16.941          | 29.99        | 50.00        | -20.01      | CISPR Avg |

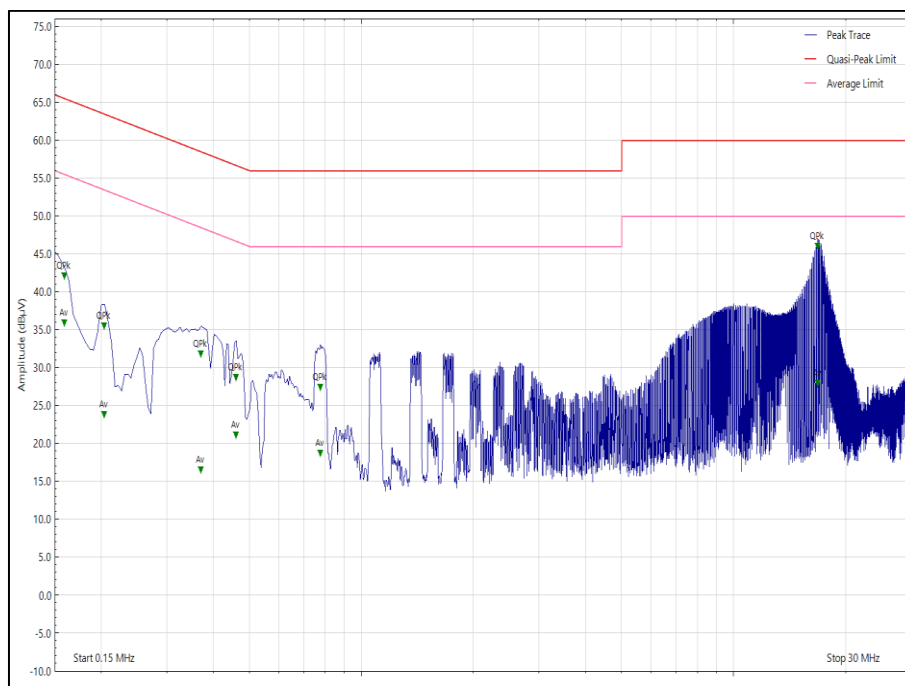
Table 11

## Results for Configuration and Mode: AC Powered – 2.4 GHz WLAN.

This test was performed to the requirements of the Class B limits.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.



**Figure 4 - Graphical Results - AC Power Port Live**

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.159           | 41.42        | 65.50        | -24.08      | Q-Peak    |
| 0.159           | 35.23        | 55.50        | -20.27      | CISPR Avg |
| 0.204           | 34.77        | 63.50        | -28.73      | Q-Peak    |
| 0.204           | 23.10        | 53.50        | -30.40      | CISPR Avg |
| 0.370           | 31.15        | 58.50        | -27.35      | Q-Peak    |
| 0.370           | 15.79        | 48.50        | -32.71      | CISPR Avg |
| 0.461           | 27.98        | 56.70        | -28.72      | Q-Peak    |
| 0.461           | 20.37        | 46.70        | -26.33      | CISPR Avg |
| 0.775           | 26.73        | 56.00        | -29.27      | Q-Peak    |
| 0.775           | 18.02        | 46.00        | -27.98      | CISPR Avg |
| 16.833          | 45.25        | 60.00        | -14.75      | Q-Peak    |
| 16.833          | 27.18        | 50.00        | -22.82      | CISPR Avg |

**Table 12**

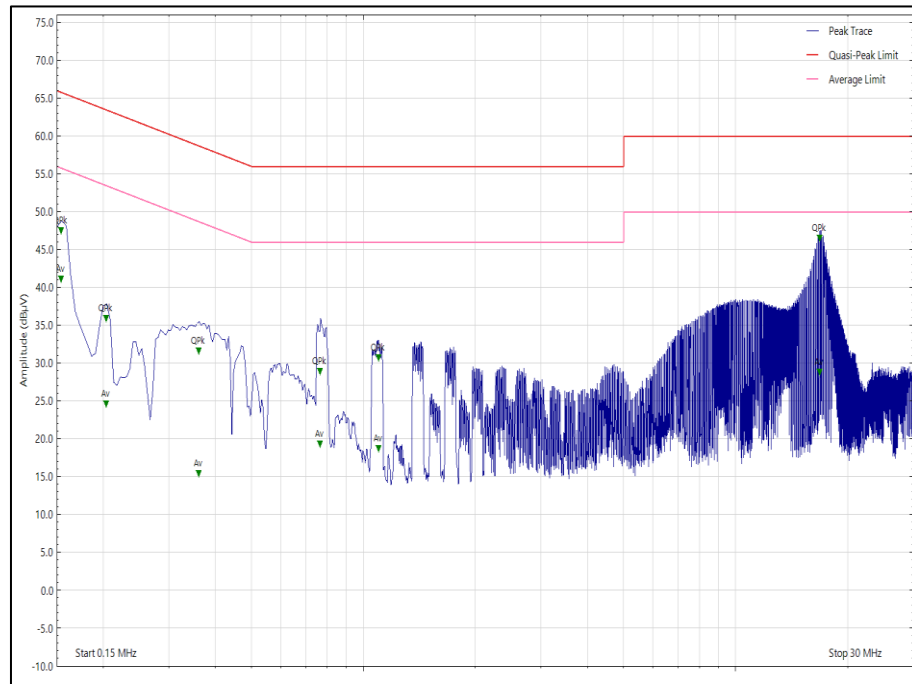


Figure 5 - Graphical Results - AC Power Port Neutral

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.154           | 46.81        | 65.80        | -18.99      | Q-Peak    |
| 0.154           | 40.40        | 55.80        | -15.40      | CISPR Avg |
| 0.204           | 35.15        | 63.40        | -28.25      | Q-Peak    |
| 0.204           | 23.88        | 53.40        | -29.52      | CISPR Avg |
| 0.361           | 30.86        | 58.70        | -27.84      | Q-Peak    |
| 0.361           | 14.68        | 48.70        | -34.02      | CISPR Avg |
| 0.766           | 28.16        | 56.00        | -27.84      | Q-Peak    |
| 0.766           | 18.66        | 46.00        | -27.34      | CISPR Avg |
| 1.099           | 29.98        | 56.00        | -26.02      | Q-Peak    |
| 1.099           | 18.00        | 46.00        | -28.00      | CISPR Avg |
| 16.834          | 45.76        | 60.00        | -14.24      | Q-Peak    |
| 16.834          | 28.07        | 50.00        | -21.93      | CISPR Avg |

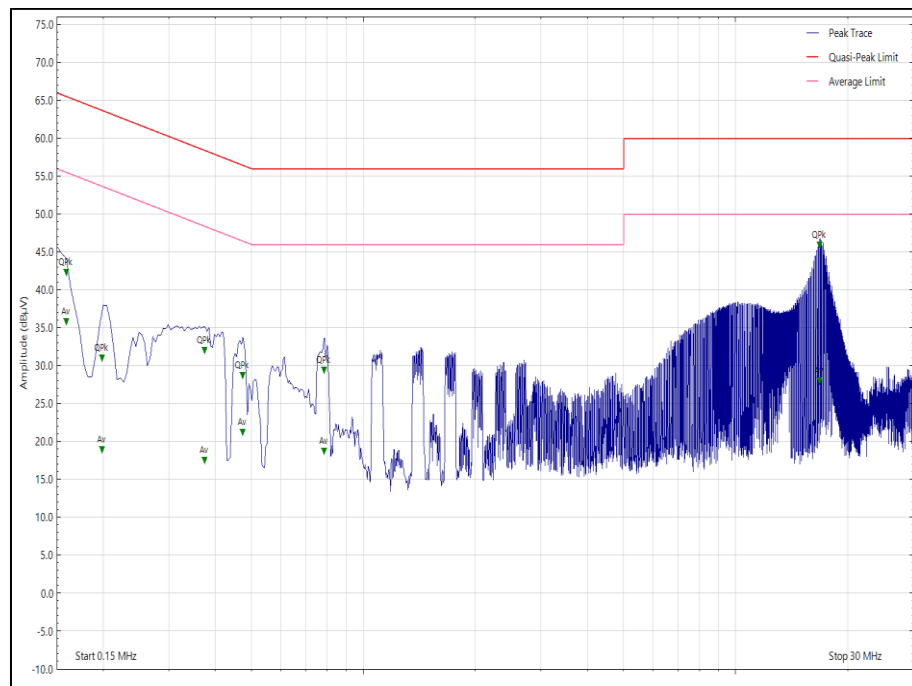
Table 13

### Results for Configuration and Mode: AC Powered – 5 GHz WLAN.

This test was performed to the requirements of the Class B limits.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.



**Figure 6 - Graphical Results - AC Power Port Live**

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.159           | 41.62        | 65.50        | -23.88      | Q-Peak    |
| 0.159           | 35.10        | 55.50        | -20.40      | CISPR Avg |
| 0.199           | 30.28        | 63.60        | -33.32      | Q-Peak    |
| 0.199           | 18.20        | 53.60        | -35.40      | CISPR Avg |
| 0.375           | 31.26        | 58.40        | -27.14      | Q-Peak    |
| 0.375           | 16.85        | 48.40        | -31.55      | CISPR Avg |
| 0.474           | 28.00        | 56.40        | -28.40      | Q-Peak    |
| 0.474           | 20.54        | 46.40        | -25.86      | CISPR Avg |
| 0.784           | 28.75        | 56.00        | -27.25      | Q-Peak    |
| 0.784           | 18.01        | 46.00        | -27.99      | CISPR Avg |
| 16.830          | 45.16        | 60.00        | -14.84      | Q-Peak    |
| 16.830          | 27.27        | 50.00        | -22.73      | CISPR Avg |

**Table 14**

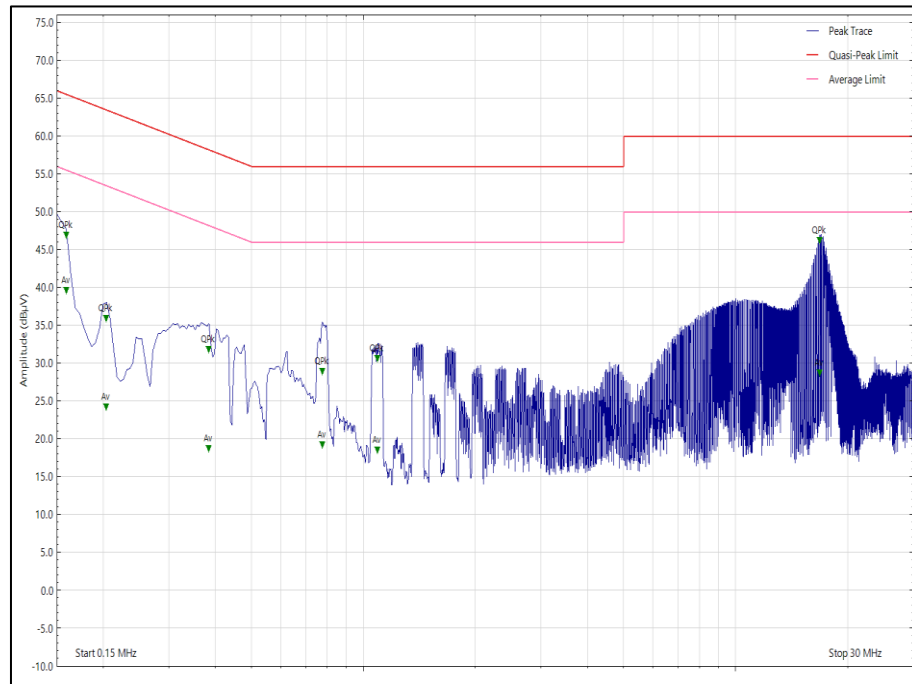


Figure 7 - Graphical Results - AC Power Port Neutral

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.159           | 46.21        | 65.50        | -19.29      | Q-Peak    |
| 0.159           | 38.91        | 55.50        | -16.59      | CISPR Avg |
| 0.204           | 35.15        | 63.50        | -28.35      | Q-Peak    |
| 0.204           | 23.53        | 53.50        | -29.97      | CISPR Avg |
| 0.384           | 31.07        | 58.20        | -27.13      | Q-Peak    |
| 0.384           | 18.00        | 48.20        | -30.20      | CISPR Avg |
| 0.776           | 28.16        | 56.00        | -27.84      | Q-Peak    |
| 0.776           | 18.49        | 46.00        | -27.51      | CISPR Avg |
| 1.090           | 29.89        | 56.00        | -26.11      | Q-Peak    |
| 1.090           | 17.84        | 46.00        | -28.16      | CISPR Avg |
| 16.833          | 45.49        | 60.00        | -14.51      | Q-Peak    |
| 16.833          | 27.99        | 50.00        | -22.01      | CISPR Avg |

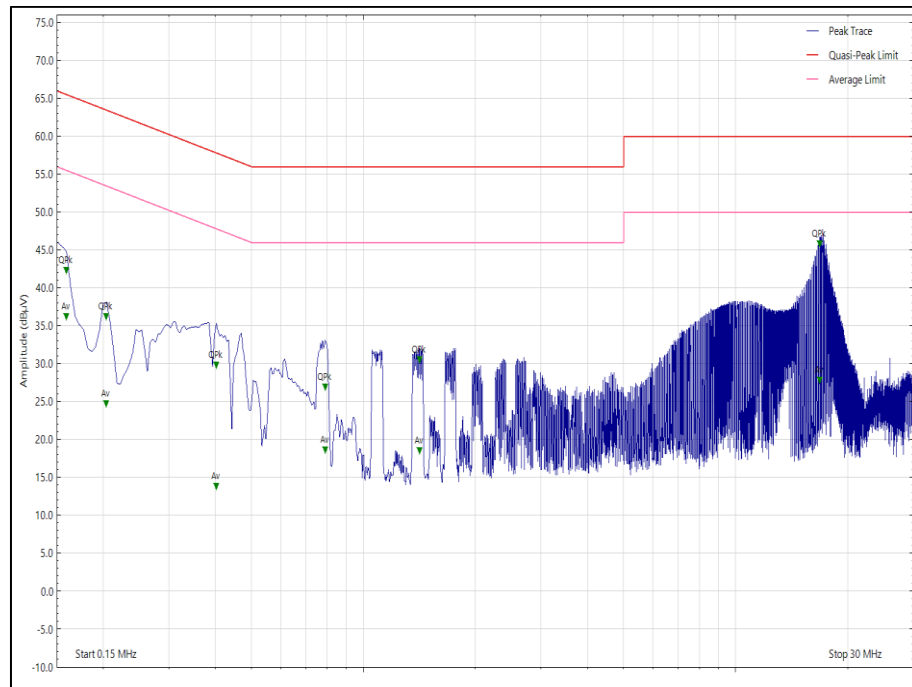
Table 15

### Results for Configuration and Mode: AC Powered – 6 GHz WLAN.

This test was performed to the requirements of the Class B limits.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.



**Figure 8 - Graphical Results - AC Power Port Live**

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.159           | 41.62        | 65.50        | -23.88      | Q-Peak    |
| 0.159           | 35.46        | 55.50        | -20.04      | CISPR Avg |
| 0.204           | 35.53        | 63.40        | -27.87      | Q-Peak    |
| 0.204           | 24.05        | 53.40        | -29.35      | CISPR Avg |
| 0.402           | 29.13        | 57.80        | -28.67      | Q-Peak    |
| 0.402           | 13.10        | 47.80        | -34.70      | CISPR Avg |
| 0.789           | 26.23        | 56.00        | -29.77      | Q-Peak    |
| 0.789           | 17.88        | 46.00        | -28.12      | CISPR Avg |
| 1.415           | 29.82        | 56.00        | -26.18      | Q-Peak    |
| 1.415           | 17.83        | 46.00        | -28.17      | CISPR Avg |
| 16.829          | 45.07        | 60.00        | -14.93      | Q-Peak    |
| 16.829          | 27.06        | 50.00        | -22.94      | CISPR Avg |

**Table 16**

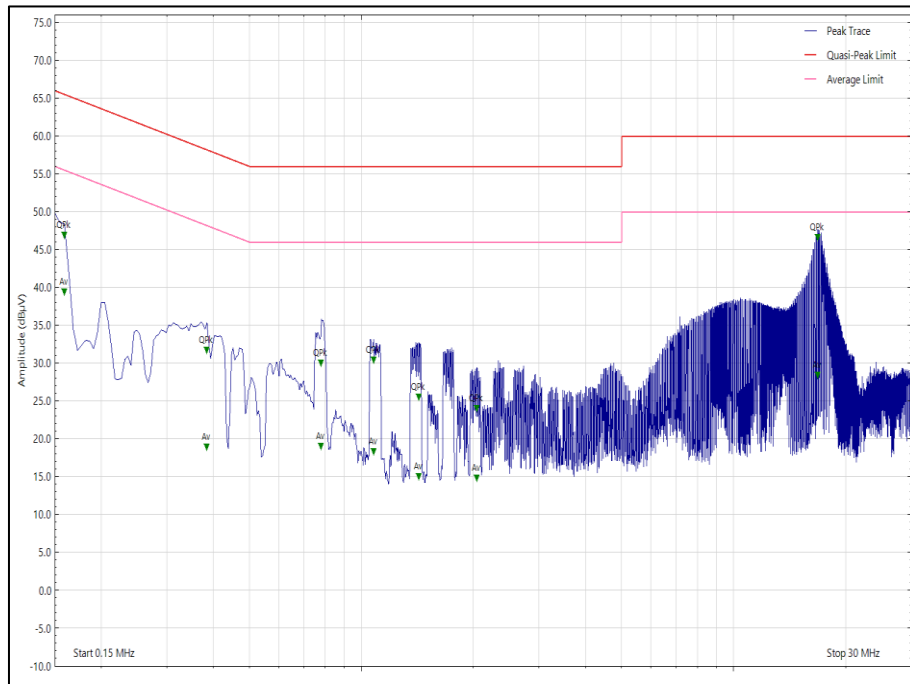


Figure 9 - Graphical Results - AC Power Port Neutral

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.159           | 46.20        | 65.50        | -19.30      | Q-Peak    |
| 0.159           | 38.69        | 55.50        | -16.81      | CISPR Avg |
| 0.384           | 31.01        | 58.20        | -27.19      | Q-Peak    |
| 0.384           | 18.24        | 48.20        | -29.96      | CISPR Avg |
| 0.780           | 29.27        | 56.00        | -26.73      | Q-Peak    |
| 0.780           | 18.36        | 46.00        | -27.64      | CISPR Avg |
| 1.078           | 29.67        | 56.00        | -26.33      | Q-Peak    |
| 1.078           | 17.66        | 46.00        | -28.34      | CISPR Avg |
| 1.424           | 24.79        | 56.00        | -31.21      | Q-Peak    |
| 1.424           | 14.32        | 46.00        | -31.68      | CISPR Avg |
| 2.040           | 23.31        | 56.00        | -32.69      | Q-Peak    |
| 2.040           | 14.09        | 46.00        | -31.91      | CISPR Avg |
| 16.837          | 45.87        | 60.00        | -14.13      | Q-Peak    |
| 16.837          | 27.72        | 50.00        | -22.28      | CISPR Avg |

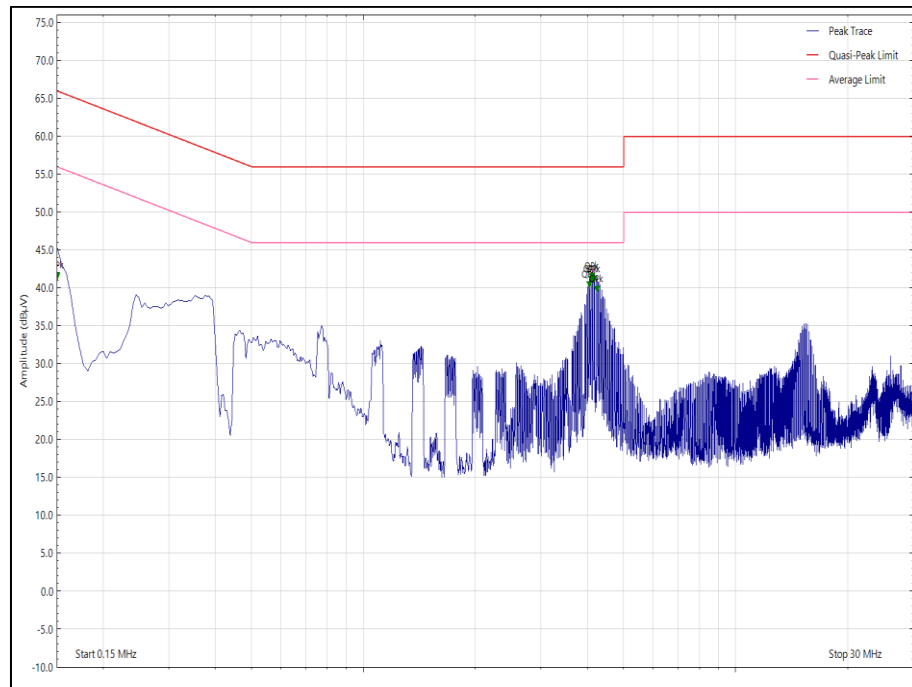
Table 17

### Results for Configuration and Mode: AC Powered – Narrowband.

This test was performed to the requirements of the Class B limits.

Performance assessment of the EUT made during this test: Pass.

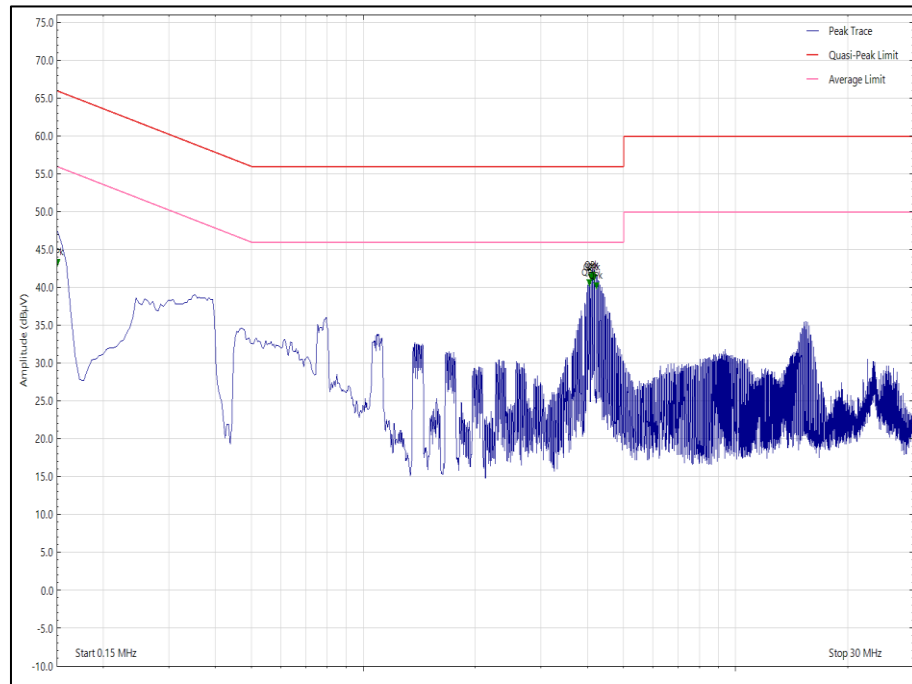
Detailed results are shown below.



**Figure 10 - Graphical Results - AC Power Port Live**

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.151           | 40.88        | 65.90        | -25.02      | Q-Peak    |
| 0.151           | 32.53        | 55.90        | -23.37      | CISPR Avg |
| 4.049           | 39.66        | 56.00        | -16.34      | Q-Peak    |
| 4.049           | 26.12        | 46.00        | -19.88      | CISPR Avg |
| 4.090           | 40.41        | 56.00        | -15.59      | Q-Peak    |
| 4.090           | 26.99        | 46.00        | -19.01      | CISPR Avg |
| 4.130           | 40.78        | 56.00        | -15.22      | Q-Peak    |
| 4.130           | 27.42        | 46.00        | -18.58      | CISPR Avg |
| 4.170           | 40.41        | 56.00        | -15.59      | Q-Peak    |
| 4.170           | 23.07        | 46.00        | -22.93      | CISPR Avg |
| 4.240           | 39.09        | 56.00        | -16.91      | Q-Peak    |
| 4.240           | 21.66        | 46.00        | -24.34      | CISPR Avg |

**Table 18**



**Figure 11 - Graphical Results - AC Power Port Neutral**

| Frequency (MHz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector  |
|-----------------|--------------|--------------|-------------|-----------|
| 0.151           | 42.62        | 65.90        | -23.28      | Q-Peak    |
| 0.151           | 33.93        | 55.90        | -21.97      | CISPR Avg |
| 4.051           | 39.87        | 56.00        | -16.13      | Q-Peak    |
| 4.051           | 26.27        | 46.00        | -19.73      | CISPR Avg |
| 4.090           | 40.57        | 56.00        | -15.43      | Q-Peak    |
| 4.090           | 27.20        | 46.00        | -18.80      | CISPR Avg |
| 4.129           | 40.91        | 56.00        | -15.09      | Q-Peak    |
| 4.129           | 27.53        | 46.00        | -18.47      | CISPR Avg |
| 4.172           | 40.57        | 56.00        | -15.43      | Q-Peak    |
| 4.172           | 23.20        | 46.00        | -22.80      | CISPR Avg |
| 4.238           | 39.52        | 56.00        | -16.48      | Q-Peak    |
| 4.238           | 22.14        | 46.00        | -23.86      | CISPR Avg |

**Table 19**



### 2.1.10 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 12.

| Instrument                    | Manufacturer    | Type No              | TE No | Calibration Period (months) | Calibration Expires |
|-------------------------------|-----------------|----------------------|-------|-----------------------------|---------------------|
| 3m Semi-Anechoic Chamber      | MVG             | EMC Chamber 12       | 5621  | 36                          | 07-Aug-2026         |
| Emissions Software            | TUV SUD         | EmX V3.5.5           | 5125  | -                           | Software            |
| Test Receiver                 | Rohde & Schwarz | ESW44                | 5382  | 12                          | 09-Oct-2026         |
| Transient Limiter             | Hewlett Packard | 11947A               | 1032  | 12                          | 16-Jan-2026         |
| Cable (N-Type to N-Type, 2 m) | Teledyne        | 269-0078-2000        | 3325  | 12                          | 12-Sep-2026         |
| Cable (N-Type to N-Type, 8 m) | Junkosha        | MWX221-08000NMSNMS/B | 7054  | 12                          | 01-Jun-2026         |
| LISN (CISPR 16, Single Phase) | Rohde & Schwarz | ESH3-Z5              | 1390  | 12                          | 04-Feb-2026         |
| Thermo-Hygro-Barometer        | PCE Instruments | PCE-THB-40           | 5471  | 12                          | 14-May-2026         |

**Table 20**



### 3 Test Equipment Information

#### 3.1 General Test Equipment Used

| Instrument     | Manufacturer | Type No       | TE No | Calibration Period (months) | Calibration Expires |
|----------------|--------------|---------------|-------|-----------------------------|---------------------|
| Multimeter     | Fluke        | 79 Series III | 498   | 12                          | 26-Feb-2026         |
| Milliohm Meter | VICI         | 2682132       | 7012  | 12                          | 21-May-2026         |

Table 21



## 4 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

| Test Name                         | Measurement Uncertainty              |
|-----------------------------------|--------------------------------------|
| AC Power Line Conducted Emissions | 150 kHz to 30 MHz, LISN $\pm 3.3$ dB |

**Table 22**

### Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.