

## FCC CERTIFICATION TEST REPORT

|                             |   |                                                           |
|-----------------------------|---|-----------------------------------------------------------|
| <b>Applicant</b>            | : | HANSHOW PTE. LTD.                                         |
| <b>Address</b>              | : | 138 ROBINSON ROAD #02-33 OXLEY TOWER<br>SINGAPORE(068906) |
| <b>Manufacturer</b>         | : | HANSHOW PTE. LTD.                                         |
| <b>Address</b>              | : | 138 ROBINSON ROAD #02-33 OXLEY TOWER<br>SINGAPORE(068906) |
| <b>Equipment under Test</b> | : | electronic shelf label                                    |
| <b>Model No.</b>            | : | Nebular Ultra 350Q-N                                      |
| <b>Trade Mark</b>           | : | N/A                                                       |
| <b>FCC ID</b>               | : | 2BPF3-NU1-350Q                                            |
| <b>Report No.</b>           | : | LS-R26042303-7F01                                         |
| <b>Issue Date</b>           | : | Jun. 02, 2026                                             |



**LabSure Testing Services (Suzhou) Co., Ltd.**

## Table of Contents

|                                                        |    |
|--------------------------------------------------------|----|
| Test Report Declare .....                              | 4  |
| 1. Summary of Test Results .....                       | 6  |
| 2. General Test Information .....                      | 6  |
| 2.1. Description of EUT .....                          | 6  |
| 2.2. Accessories of EUT .....                          | 8  |
| 2.3. Assistant equipment used for test .....           | 8  |
| 2.4. Block diagram of EUT configuration for test ..... | 8  |
| 2.5. Test environment conditions .....                 | 8  |
| 2.6. Deviations of test standard .....                 | 8  |
| 2.7. Test laboratory .....                             | 9  |
| 2.8. Measurement uncertainty .....                     | 9  |
| 3. Equipment Used During Test .....                    | 11 |
| 4. 6 dB Bandwidth .....                                | 12 |
| 4.1. General Information .....                         | 12 |
| 4.2. Block diagram of test setup .....                 | 12 |
| 4.3. Limits .....                                      | 12 |
| 4.4. Test procedure .....                              | 12 |
| 4.5. Test result .....                                 | 13 |
| 4.6. Original test data .....                          | 14 |
| 5. Maximum Peak Output Power .....                     | 16 |
| 5.1. General Information .....                         | 16 |
| 5.2. Block diagram of test setup .....                 | 16 |
| 5.3. Limits .....                                      | 16 |
| 5.4. Test procedure .....                              | 16 |
| 5.5. Test result .....                                 | 17 |
| 5.6. Original test data .....                          | 17 |
| 6. Power Spectral Density .....                        | 19 |
| 6.1. General Information .....                         | 19 |
| 6.2. Block diagram of test setup .....                 | 19 |
| 6.3. Limits .....                                      | 19 |
| 6.4. Test procedure .....                              | 19 |
| 6.5. Test result .....                                 | 20 |
| 6.6. Original test data .....                          | 20 |
| 7. Band Edge Compliance (Conducted Method) .....       | 22 |
| 7.1. General Information .....                         | 22 |
| 7.2. Block diagram of test setup .....                 | 22 |
| 7.3. Limits .....                                      | 22 |

|       |                                               |    |
|-------|-----------------------------------------------|----|
| 7.4.  | Test procedure .....                          | 22 |
| 7.5.  | Test result.....                              | 23 |
| 7.6.  | Original test data .....                      | 23 |
| 8.    | RF Conducted Spurious Emissions .....         | 25 |
| 8.1.  | General Information .....                     | 25 |
| 8.2.  | Block diagram of test setup.....              | 25 |
| 8.3.  | Limits .....                                  | 25 |
| 8.4.  | Test procedure .....                          | 25 |
| 8.5.  | Test result.....                              | 26 |
| 8.6.  | Original test data .....                      | 27 |
| 9.    | Radiated Emission .....                       | 30 |
| 9.1.  | General Information .....                     | 30 |
| 9.2.  | Block diagram of test setup.....              | 30 |
| 9.3.  | Limit.....                                    | 32 |
| 9.4.  | Test Procedure.....                           | 32 |
| 9.5.  | Test result.....                              | 33 |
| 10.   | Emissions in Restricted Frequency Bands ..... | 52 |
| 10.1. | General Information .....                     | 52 |
| 10.2. | Block diagram of test setup.....              | 52 |
| 10.3. | Limit.....                                    | 52 |
| 10.4. | Test Procedure.....                           | 52 |
| 10.5. | Test result.....                              | 52 |
| 11.   | Power Line Conducted Emission .....           | 57 |
| 11.1. | General Information .....                     | 57 |
| 11.2. | Block diagram of test setup.....              | 57 |
| 11.3. | Power line conducted emission limits .....    | 57 |
| 11.4. | Test procedure .....                          | 57 |
| 11.5. | Test result.....                              | 58 |
| 12.   | Antenna Requirements .....                    | 59 |
| 12.1. | Limit.....                                    | 59 |
| 12.2. | Result .....                                  | 59 |
| 13.   | Test Setup Photograph .....                   | 60 |
| 14.   | Photos of the EUT .....                       | 60 |

**Test Report Declare**

|                             |   |                                                           |
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| <b>Address</b>              | : | 138 ROBINSON ROAD #02-33 OXLEY TOWER<br>SINGAPORE(068906) |
| <b>Equipment under Test</b> | : | electronic shelf label                                    |
| <b>Model No.</b>            | : | Nebular Ultra 350Q-N                                      |
| <b>Trade Name</b>           | : | N/A                                                       |

**Test Standard Used:**

47 CFR FCC Part 15 Subpart C (Section 15.247)

**Test Procedure Used:**

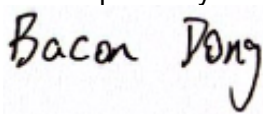
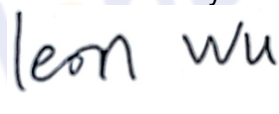
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024;

**We Declare:**

The equipment described above is tested by LabSure Testing Services (Suzhou) Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and LabSure Testing Services (Suzhou) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

**After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC&ISED standards.**

|                         |                   |                      |                               |
|-------------------------|-------------------|----------------------|-------------------------------|
| <b>Report No:</b>       | LS-R26042303-7F01 |                      |                               |
| <b>Date of Receipt:</b> | Apr. 27, 2026     | <b>Date of Test:</b> | May. 27, 2026 ~ Jun. 02, 2026 |

|                                                                                                     |                                                                                                     |                                                                                                         |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Prepared By:<br> | Reviewed By:<br> | Authorized By:<br> |
| Bacon Dong/Engineer                                                                                 | Leon Wu/Director                                                                                    | Chris Zhong/EMC Manager                                                                                 |

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of LabSure Testing Services (Suzhou) Co., Ltd. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification. The results reported herein have been performed in accordance with the laboratory's terms of accreditation.

## Revision History

| Rev. | Revisions     | Issue Date    | Revised By |
|------|---------------|---------------|------------|
| ---  | Initial issue | Jun. 02, 2026 |            |
|      |               |               |            |

## 1. Summary of Test Results

| The EUT have been tested according to the applicable standards as referenced below.                                                                                                                                                                       |                                    |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------|
| Description of Test Item                                                                                                                                                                                                                                  | Standard                           | Verdict |
| 6 dB Bandwidth                                                                                                                                                                                                                                            | FCC Part 15.247 (a) (2)            | Pass    |
| Peak Output Power                                                                                                                                                                                                                                         | FCC Part 15.247 (b) (3)            | Pass    |
| Power Spectral Density                                                                                                                                                                                                                                    | FCC Part 15.247 (e)                | Pass    |
| Band Edge Compliance<br>(conducted method)                                                                                                                                                                                                                | FCC Part 15.247 (d)                | Pass    |
| Radiation Emission                                                                                                                                                                                                                                        | FCC Part 15.209<br>FCC Part 15.205 | Pass    |
| RF Conducted Spurious Emissions                                                                                                                                                                                                                           | FCC Part 15.247 (d)                | Pass    |
| Emission in Restricted Frequency Bands                                                                                                                                                                                                                    | FCC Part 15.209<br>FCC Part 15.205 | Pass    |
| Power Line Conducted Emission                                                                                                                                                                                                                             | FCC Part 15.207                    | N/A     |
| Antenna Requirement                                                                                                                                                                                                                                       | FCC Part 15.203                    | Pass    |
| Note: The measurement result for the sample received is <Pass> according to < ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024; FCC CFR 47 Part 2, FCC CFR 47 Part 15C(Part 15.247)> when <Simple Acceptance> decision rule is applied. |                                    |         |

## 2. General Test Information

### 2.1. Description of EUT

|                            |   |                                                                                                            |
|----------------------------|---|------------------------------------------------------------------------------------------------------------|
| EUT* Name                  | : | electronic shelf label                                                                                     |
| Model Number               | : | Nebular Ultra 350Q-N                                                                                       |
| Test Model                 | : | Nebular Ultra 350Q-N                                                                                       |
| Hardware Version           | : | N/A                                                                                                        |
| Software Version           | : | N/A                                                                                                        |
| Difference of model number | : | N/A                                                                                                        |
| EUT function description   | : | Please reference user manual of this device.                                                               |
| Power Supply               | : | DC 3V by Polymer Li-ion built-in battery                                                                   |
| Radio Specification        | : | 2.4GHz SRD                                                                                                 |
| Operation Frequency        | : | 2402MHz-2480MHz                                                                                            |
| Modulation                 | : | GFSK                                                                                                       |
| Data Rate                  | : | 500k bps                                                                                                   |
| Antenna Type               | : | PCB Antenna                                                                                                |
| Antenna Gain               | : | PCB antenna<br>Maximum PK gain: -1.5 dBi (Declare by customer and the lab isn't responsible for the value) |
| Serial Number              | : | N/A                                                                                                        |

| Channel information |                 |         |                 |         |                 |         |                 |
|---------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel             | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 4                   | 2402            | 44      | 2422            | 84      | 2442            | 124     | 2462            |
| 5                   | 2402.5          | 45      | 2422.5          | 85      | 2442.5          | 125     | 2462.5          |
| 6                   | 2403            | 46      | 2423            | 86      | 2443            | 126     | 2463            |
| 7                   | 2403.5          | 47      | 2423.5          | 87      | 2443.5          | 127     | 2463.5          |
| 8                   | 2404            | 48      | 2424            | 88      | 2444            | 128     | 2464            |
| 9                   | 2404.5          | 49      | 2424.5          | 89      | 2444.5          | 129     | 2464.5          |
| 10                  | 2405            | 50      | 2425            | 90      | 2445            | 130     | 2465            |
| 11                  | 2405.5          | 51      | 2425.5          | 91      | 2445.5          | 131     | 2465.5          |
| 12                  | 2406            | 52      | 2426            | 92      | 2446            | 132     | 2466            |
| 13                  | 2406.5          | 53      | 2426.5          | 93      | 2446.5          | 133     | 2466.5          |
| 14                  | 2407            | 54      | 2427            | 94      | 2447            | 134     | 2467            |
| 15                  | 2407.5          | 55      | 2427.5          | 95      | 2447.5          | 135     | 2467.5          |
| 16                  | 2408            | 56      | 2428            | 96      | 2448            | 136     | 2468            |
| 17                  | 2408.5          | 57      | 2428.5          | 97      | 2448.5          | 137     | 2468.5          |
| 18                  | 2409            | 58      | 2429            | 98      | 2449            | 138     | 2469            |
| 19                  | 2409.5          | 59      | 2429.5          | 99      | 2449.5          | 139     | 2469.5          |
| 20                  | 2410            | 60      | 2430            | 100     | 2450            | 140     | 2470            |
| 21                  | 2410.5          | 61      | 2430.5          | 101     | 2450.5          | 141     | 2470.5          |
| 22                  | 2411            | 62      | 2431            | 102     | 2451            | 142     | 2471            |
| 23                  | 2411.5          | 63      | 2431.5          | 103     | 2451.5          | 143     | 2471.5          |
| 24                  | 2412            | 64      | 2432            | 104     | 2452            | 144     | 2472            |
| 25                  | 2412.5          | 65      | 2432.5          | 105     | 2452.5          | 145     | 2472.5          |
| 26                  | 2413            | 66      | 2433            | 106     | 2453            | 146     | 2473            |
| 27                  | 2413.5          | 67      | 2433.5          | 107     | 2453.5          | 147     | 2473.5          |
| 28                  | 2414            | 68      | 2434            | 108     | 2454            | 148     | 2474            |
| 29                  | 2414.5          | 69      | 2434.5          | 109     | 2454.5          | 149     | 2474.5          |
| 30                  | 2415            | 70      | 2435            | 110     | 2455            | 150     | 2475            |
| 31                  | 2415.5          | 71      | 2435.5          | 111     | 2455.5          | 151     | 2475.5          |
| 32                  | 2416            | 72      | 2436            | 112     | 2456            | 152     | 2476            |
| 33                  | 2416.5          | 73      | 2436.5          | 113     | 2456.5          | 153     | 2476.5          |
| 34                  | 2417            | 74      | 2437            | 114     | 2457            | 154     | 2477            |
| 35                  | 2417.5          | 75      | 2437.5          | 115     | 2457.5          | 155     | 2477.5          |
| 36                  | 2418            | 76      | 2438            | 116     | 2458            | 156     | 2478            |
| 37                  | 2418.5          | 77      | 2438.5          | 117     | 2458.5          | 157     | 2478.5          |
| 38                  | 2419            | 78      | 2439            | 118     | 2459            | 158     | 2479            |
| 39                  | 2419.5          | 79      | 2439.5          | 119     | 2459.5          | 159     | 2479.5          |
| 40                  | 2420            | 80      | 2440            | 120     | 2460            | 160     | 2480            |
| 41                  | 2420.5          | 81      | 2440.5          | 121     | 2460.5          |         |                 |
| 42                  | 2421            | 82      | 2441            | 122     | 2461            |         |                 |
| 43                  | 2421.5          | 83      | 2441.5          | 123     | 2461.5          |         |                 |

Remark: The information in this section is provided by the applicant or manufacturer, the laboratory is not liable to the accuracy, suitability, reliability or/and integrity of the information.

**2.2. Accessories of EUT**

| Description of Accessories | Manufacturer | Model number | Description | Remark |
|----------------------------|--------------|--------------|-------------|--------|
| N/A                        | N/A          | N/A          | N/A         | N/A    |

**2.3. Assistant equipment used for test**

| Assistant equipment | Manufacturer | Model number | EMC Compliance | SN              |
|---------------------|--------------|--------------|----------------|-----------------|
| Notebook            | ASUS         | FX506L       | N/A            | Supplied by lab |

**2.4. Block diagram of EUT configuration for test**

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

| Tested mode, channel, information |                  |           |                 |
|-----------------------------------|------------------|-----------|-----------------|
| Mode                              | Setting Tx Power | Channel   | Frequency (MHz) |
| GFSK                              | Default          | CH Low    | 2402            |
|                                   | Default          | CH Middle | 2441            |
|                                   | Default          | CH High   | 2480            |

**2.5. Test environment conditions**

During the measurement the environmental conditions were within the listed ranges:

| Environment Parameter | Selected Values During Tests |
|-----------------------|------------------------------|
| Relative Humidity     | 40-75%                       |
| Atmospheric Pressure: | 86-106 kPa                   |
| Temperature           | 20-28°C                      |
| Voltage:              | N/A                          |

**2.6. Deviations of test standard**

No deviation.

## 2.7. Test laboratory

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lab Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>Company Name: LabSure Testing Services (Suzhou) Co., Ltd.</p> <p>Address: Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China.</p> <p>Tel: +86-0512-62531270, E-mail: labsure@lab-sure.com, www.lab-sure.com</p>                                                                                                                                                                                                                                                                                                                                                                                                          |
| Accreditation Certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>A2LA (Certificate No.: 7346.01)</p> <p>LabSure Testing Services (Suzhou) Co., Ltd. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1397)</p> <p>LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.</p> <p>IC (IC Designation No.: 32952; CAB No.:CN0182)</p> <p>LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.</p> |
| <p>Note 1: All tests measurement facilities use to collect the measurement data are located at Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, China.</p> <p>Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.</p> <p>Note 3: The test anechoic chamber in LabSure Testing Services (Suzhou) Co., Ltd. had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## 2.8. Measurement uncertainty

| Test Item                                                | Uncertainty                                            |
|----------------------------------------------------------|--------------------------------------------------------|
| Bandwidth                                                | 0.14%                                                  |
| Peak Output Power (Conducted) (Spectrum Analyzer)        | 0.12 dB ( $10 \text{ MHz} \leq f < 3.6 \text{ GHz}$ ); |
|                                                          | 0.32 dB ( $3.6 \text{ GHz} \leq f < 8 \text{ GHz}$ )   |
| Peak Output Power (Conducted) (Power Sensor)             | 0.51 dB                                                |
| Power Spectral Density                                   | 0.12 dB ( $10 \text{ MHz} \leq f < 3.6 \text{ GHz}$ ); |
|                                                          | 0.32 dB ( $3.6 \text{ GHz} \leq f < 8 \text{ GHz}$ )   |
| Frequencies Stability                                    | $6.7 \times 10^{-8}$ (Antenna couple method)           |
|                                                          | $3.4 \times 10^{-8}$ (Conducted method)                |
| Conducted Spurious Emissions                             | 0.12 dB ( $10 \text{ MHz} \leq f < 3.6 \text{ GHz}$ ); |
|                                                          | 0.32 dB ( $3.6 \text{ GHz} \leq f < 8 \text{ GHz}$ )   |
|                                                          | 0.52 dB ( $8 \text{ GHz} \leq f < 22 \text{ GHz}$ )    |
| Uncertainty for Radio Frequency (RBW < 20 kHz)           | $3 \times 10^{-7}$                                     |
| Uncertainty for Radiation Emission Test (9kHz - 1 GHz)   | 9kHz-30MHz: 4.5 dB                                     |
|                                                          | 30MHz-1000MHz: 4.2 dB                                  |
| Uncertainty for Radiation Emission Test (1 GHz - 40 GHz) | 1GHz – 6GHz: 4.3 dB                                    |
|                                                          | 6GHz – 18GHz: 4.6 dB                                   |

|                                                                                                                                               |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|                                                                                                                                               | 18GHz – 40GHz: 4.3 dB     |
| Uncertainty for Power Line Conduction Emission Test                                                                                           | 3.4 dB (150 kHz - 30 MHz) |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                           |

### 3. Equipment Used During Test

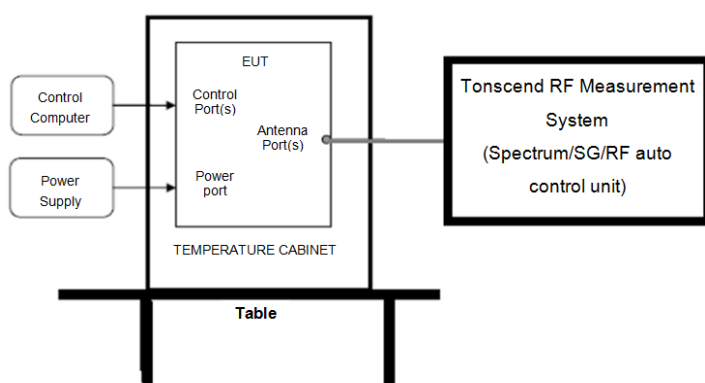
| Equipment                                        | Manufacturer    | Model No.            | Serial No.          | Last Cal.  | Cal. Interval |
|--------------------------------------------------|-----------------|----------------------|---------------------|------------|---------------|
| <b>RF Conducted Test</b>                         |                 |                      |                     |            |               |
| EXG Analog Signal Generator                      | Keysight        | N5173B               | MY53270968          | 2026/02/11 | 1 Year        |
| MXG Vector Signal Generator                      | Keysight        | N5182A               | MY50143288          | 2026/02/11 | 1 Year        |
| PXA Signal Analyzer                              | Keysight        | N9030B               | MY56320639          | 2026/03/14 | 1 Year        |
| PXA Signal Analyzer                              | Keysight        | N9010A               | MY53281492          | 2026/02/11 | 1 Year        |
| Wideband Radio Communication Tester              | R&S             | CMW500               | 158800              | 2026/02/11 | 1 Year        |
| Power Sensor                                     | KEYSIGHT        | U2021XA              | MY59150007          | 2026/02/11 | 1 Year        |
| DC Power Supply                                  | inSTEK          | PSP-2010             | EN122317            | 2026/01/13 | 1 Year        |
| Test Software                                    | MWRFtest        | MTS8200              | N/A                 | N/A        | N/A           |
| <b>Radiated Spurious Emission 3m EMI Chamber</b> |                 |                      |                     |            |               |
| Equipment                                        | Manufacturer    | Model No.            | Serial No.          | Last Cal.  | Cal. Interval |
| 3m Anechoic Chamber                              | CeRuiTong       | 3m-SAC               | N/A                 | 2024/05/10 | 3 Year        |
| EMI Test Receiver                                | R&S             | ESCi7                | 101138              | 2026/01/25 | 1 Year        |
| Signal Analyzer                                  | R&S             | FSV40-N              | 101730              | 2026/01/25 | 1 Year        |
| Hybrid antenna                                   | TESEQ           | CBL6141B             | 27421               | 2024/01/10 | 3 Year        |
| Horn Antenna                                     | ETS             | ETS 3117             | 157735              | 2024/01/19 | 3 Year        |
| Pre-Amplifier_HF                                 | COM-MW          | DPA8-1000-18000-1012 | 05231357            | 2026/01/25 | 1 Year        |
| Low Noise Amplifier                              | Tonscend        | TAP10M1G40N          | 806JSAP039904251006 | 2026/01/25 | 1 Year        |
| Temperature, humidity and pressure recorder      | Huahanwei       | TH10R                | c0222020002F        | 2026/1/29  | 1 Year        |
| Test software                                    | TONSCEND        | JS35-RSE             | 5.0.1               | N/A        | N/A           |
| <b>Power Line Conducted Emissions Test</b>       |                 |                      |                     |            |               |
| Equipment                                        | Manufacturer    | Model No.            | Serial No.          | Last Cal.  | Cal. Interval |
| EMI Test Receiver                                | Rohde & Schwarz | ESCi3                | 101705              | 2026/01/25 | 1 Year        |
| Two-Line V-Network                               | Rohde & Schwarz | ENV216               | 101063              | 2026/01/25 | 1 Year        |
| Test software                                    | TONSCEND        | JS32-CE              | 5.0.0               | N/A        | N/A           |

## 4. 6 dB Bandwidth

### 4.1. General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Jun. 02, 2026        | Test engineer | Luke Li           |       |
| Climate condition | Ambient temperature  | 21.8°C        | Relative humidity | 73.6% |
|                   | Atmospheric pressure | 100.7kPa      |                   |       |
| Test place        | EMC Room 1#          |               |                   |       |

### 4.2. Block diagram of test setup



### 4.3. Limits

| FCC Part15 (15.247), Subpart C |               |                      |                       |
|--------------------------------|---------------|----------------------|-----------------------|
| Section                        | Test Item     | Limit                | Frequency Range (MHz) |
| FCC Part 15.247 (a) (2)        | 6dB Bandwidth | $\geq 500\text{kHz}$ | 2400-2483.5           |

### 4.4. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) 6 dB Bandwidth set the spectrum analyzer as follows:

RBW: 100 kHz  
 VBW: 300 kHz  
 Detector Mode: Peak  
 Sweep time: auto  
 Trace mode: Max hold

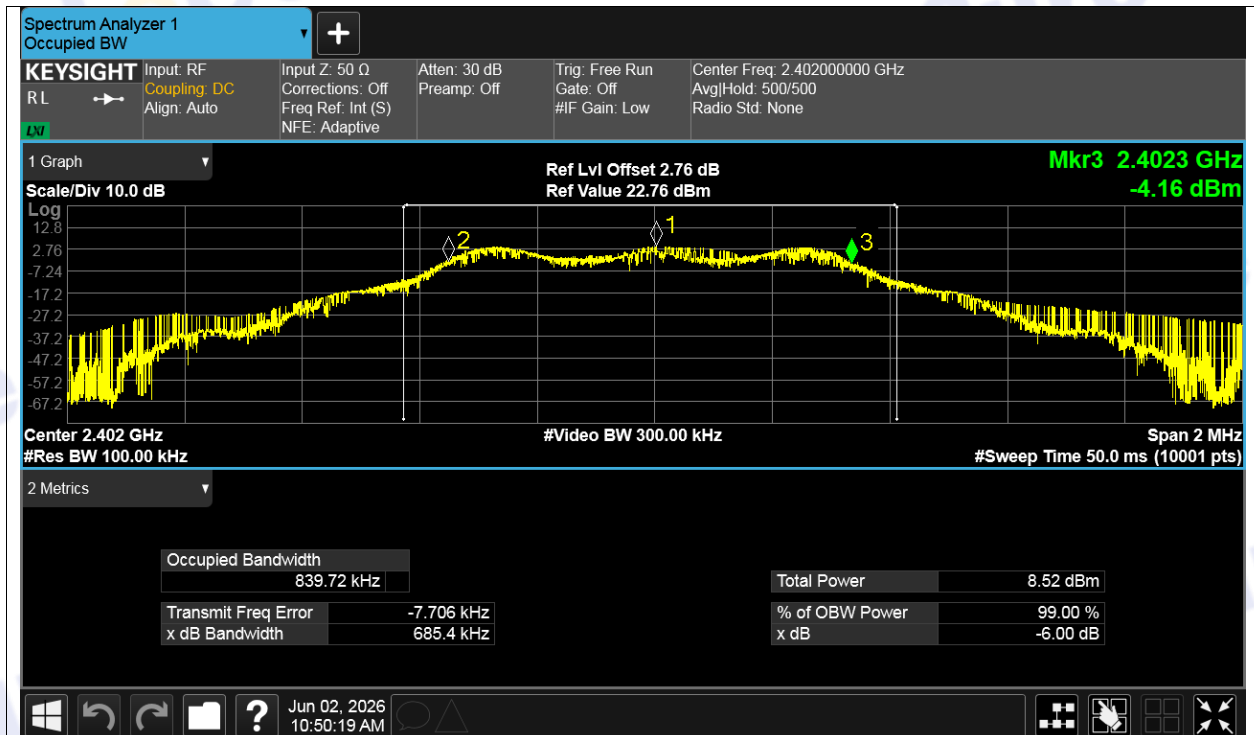
(3) Allow the trace to stabilize, measure the 6 dB bandwidth of signal.

#### 4.5. Test result

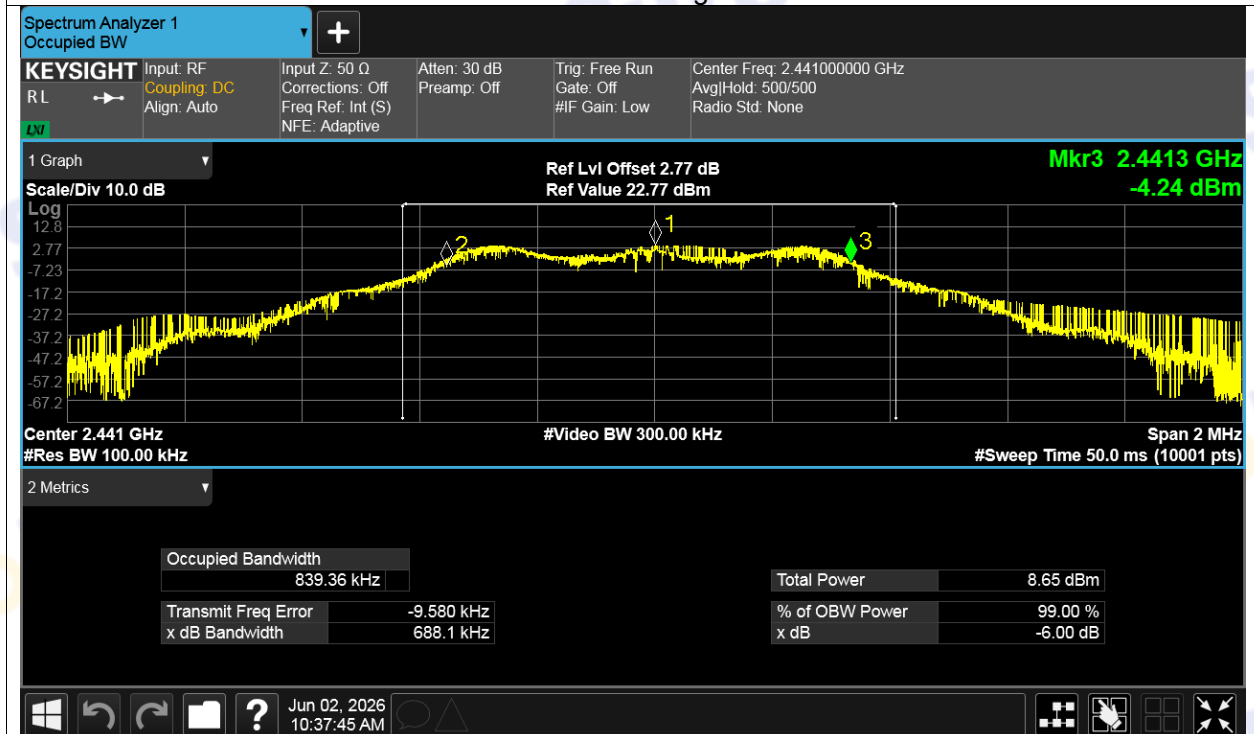
| Condition | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | 2402            | Ant1    | 0.685                 | 0.5                         | Pass    |
| NVNT      | 2441            | Ant1    | 0.688                 | 0.5                         | Pass    |
| NVNT      | 2480            | Ant1    | 0.683                 | 0.5                         | Pass    |

#### 4.6. Original test data

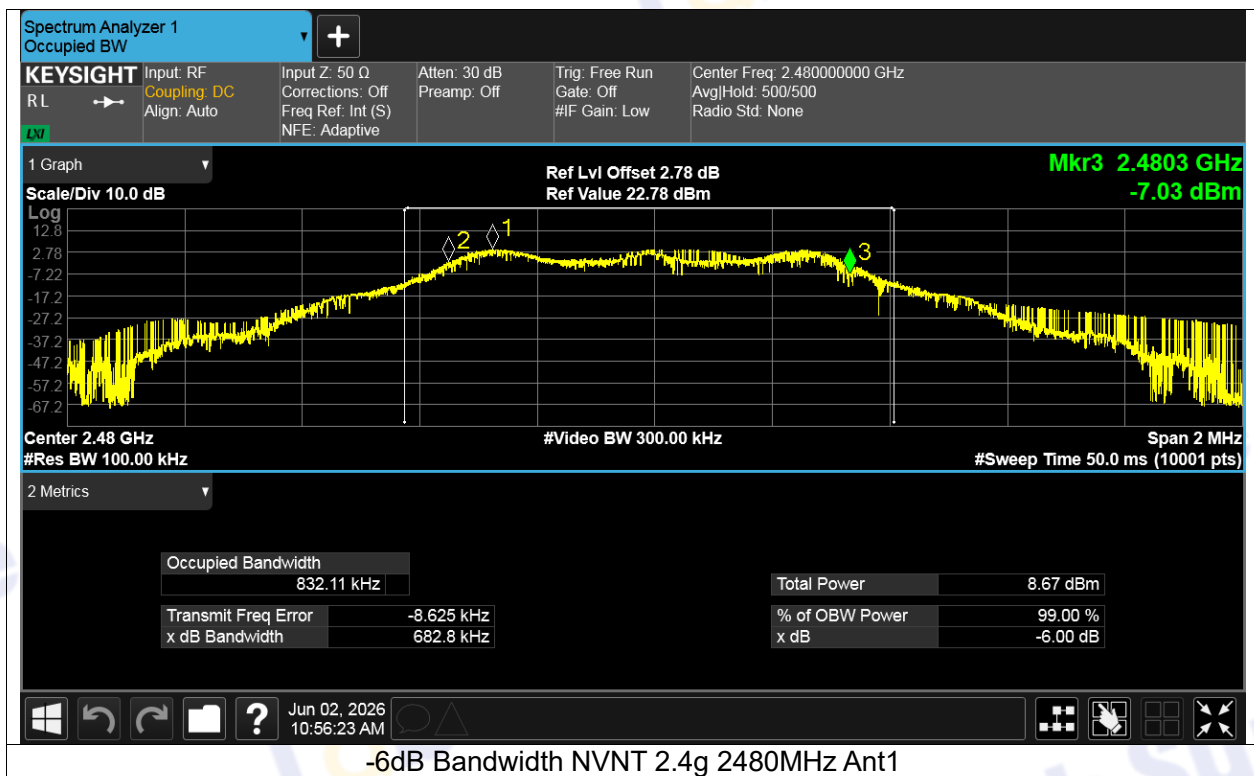
##### 6 dB Bandwidth



-6dB Bandwidth NVNT 2.4g 2402MHz Ant1



-6dB Bandwidth NVNT 2.4g 2441MHz Ant1



## 5. Maximum Peak Output Power

### 5.1. General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Jun. 02, 2026        | Test engineer | Luke Li           |       |
| Climate condition | Ambient temperature  | 21.8°C        | Relative humidity | 73.6% |
|                   | Atmospheric pressure | 100.7kPa      |                   |       |
| Test place        | EMC Room 1#          |               |                   |       |

### 5.2. Block diagram of test setup

Same with 4.1

### 5.3. Limits

| FCC Part15 (15.247) Subpart C |              |                        |                       |
|-------------------------------|--------------|------------------------|-----------------------|
| Section                       | Test Item    | Limit                  | Frequency Range (MHz) |
| FCC Part 15.247 (b)(3)        | Output Power | 1 watt or 30dBm        | 2400-2483.5           |
|                               |              | 4 watt or 36dBm (EIRP) |                       |

If transmitting antennas of directional gain greater than 6dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 5.4. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

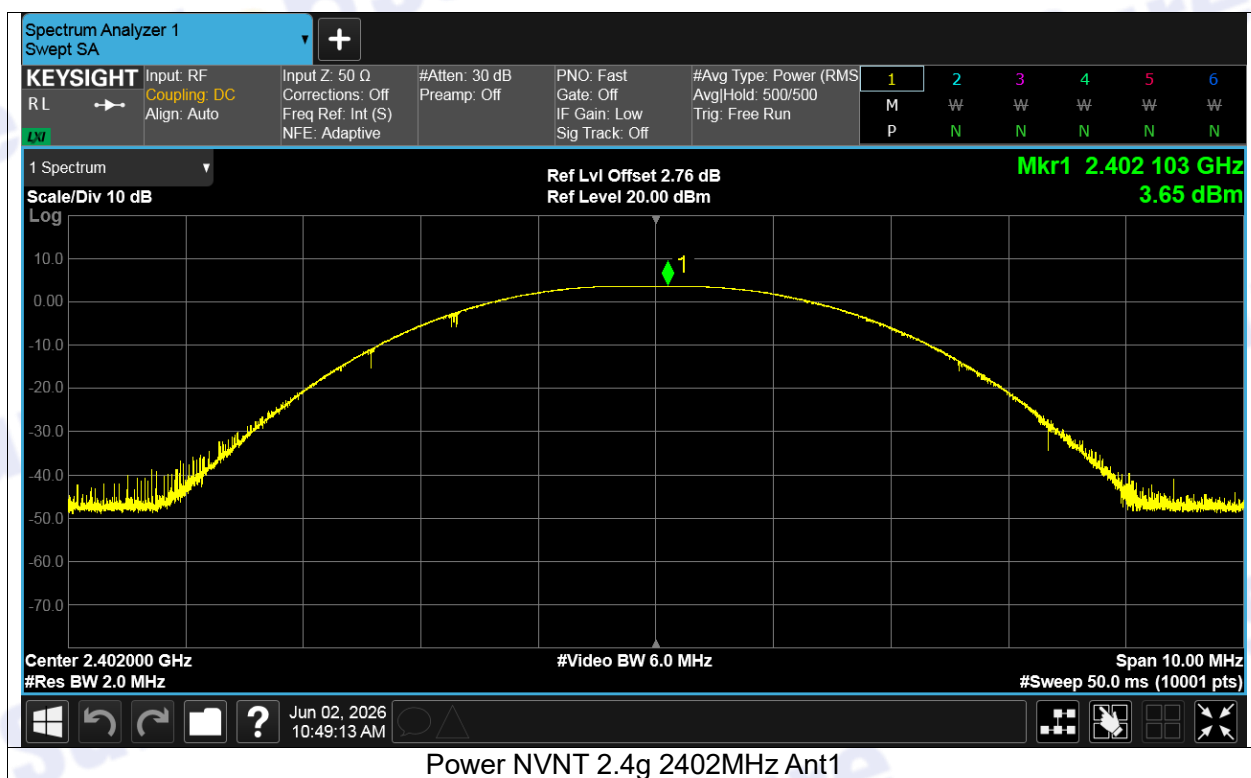
|                |                |
|----------------|----------------|
| RBW:           | ≥DTS bandwidth |
| VBW:           | ≥3 x RBW       |
| Span           | ≥3 x RBW       |
| Detector Mode: | Peak           |
| Sweep time:    | auto           |
| Trace mode     | Max hold       |

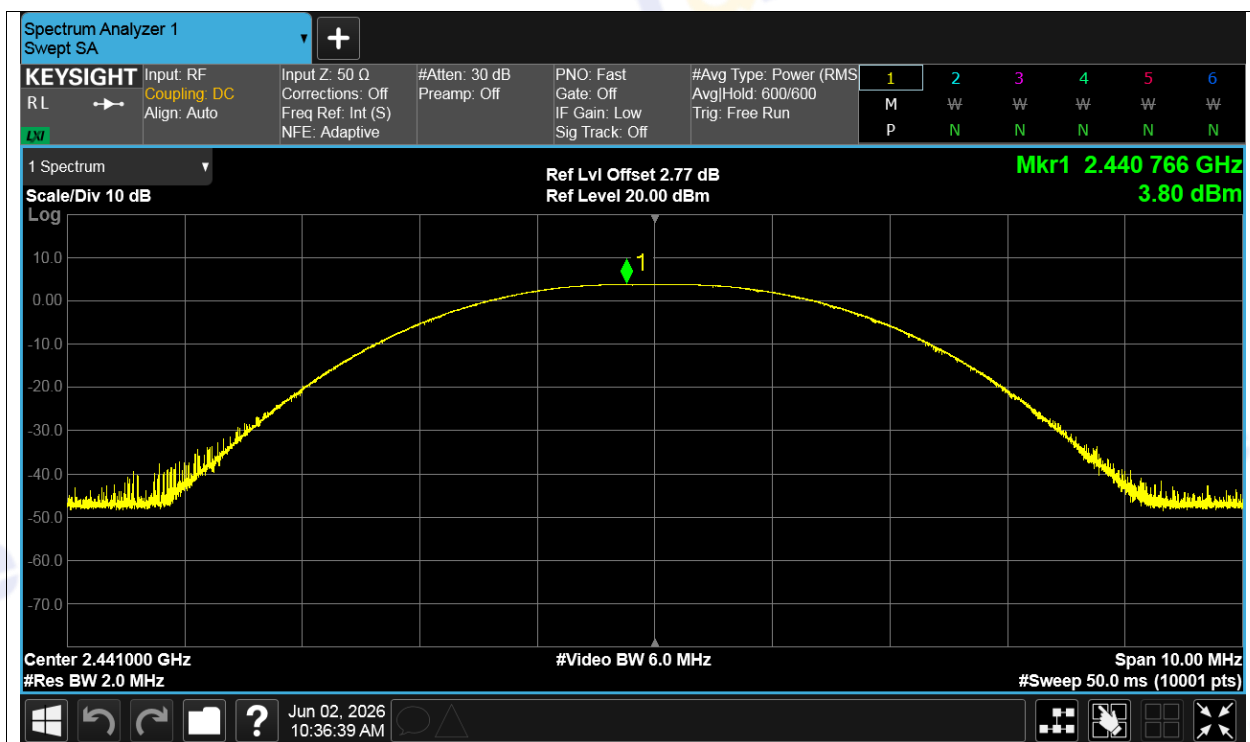
(3) Allow the trace to stabilize, Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges measure out the PK output power.

### 5.5. Test result

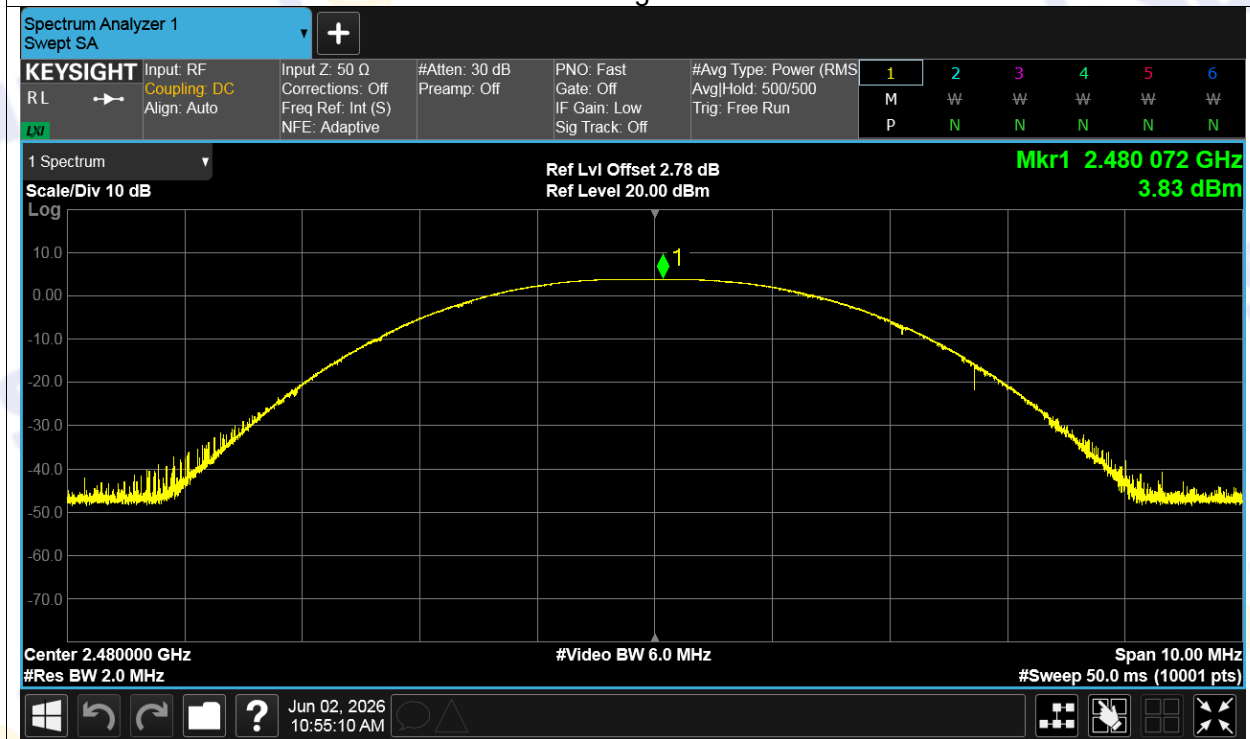
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | 2.4g | 2402            | Ant1    | 3.65                  | 0                | 3.65              | 30          | Pass    |
| NVNT      | 2.4g | 2441            | Ant1    | 3.80                  | 0                | 3.8               | 30          | Pass    |
| NVNT      | 2.4g | 2480            | Ant1    | 3.83                  | 0                | 3.83              | 30          | Pass    |

### 5.6. Original test data





Power NVNT 2.4g 2441MHz Ant1



Power NVNT 2.4g 2480MHz Ant1

## 6. Power Spectral Density

### 6.1. General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Jun. 02, 2026        | Test engineer | Luke Li           |       |
| Climate condition | Ambient temperature  | 21.8°C        | Relative humidity | 73.6% |
|                   | Atmospheric pressure | 100.7kPa      |                   |       |
| Test place        | EMC Room 1#          |               |                   |       |

### 6.2. Block diagram of test setup

Same with 4.1

### 6.3. Limits

| FCC Part15 (15.247), Subpart C |                        |             |                       |
|--------------------------------|------------------------|-------------|-----------------------|
| Section                        | Test Item              | Limit       | Frequency Range (MHz) |
| FCC Part 15.247 (e)            | Power Spectral Density | 8 dBm/3 kHz | 2400-2483.5           |

### 6.4. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

|                  |                                                      |
|------------------|------------------------------------------------------|
| Center frequency | DTS Channel center frequency                         |
| RBW:             | $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ |
| VBW:             | $\geq 3\text{RBW}$                                   |
| Span             | 1.5 times the DTS bandwidth                          |
| Detector Mode:   | Peak                                                 |
| Sweep time:      | auto                                                 |
| Trace mode       | Max hold                                             |

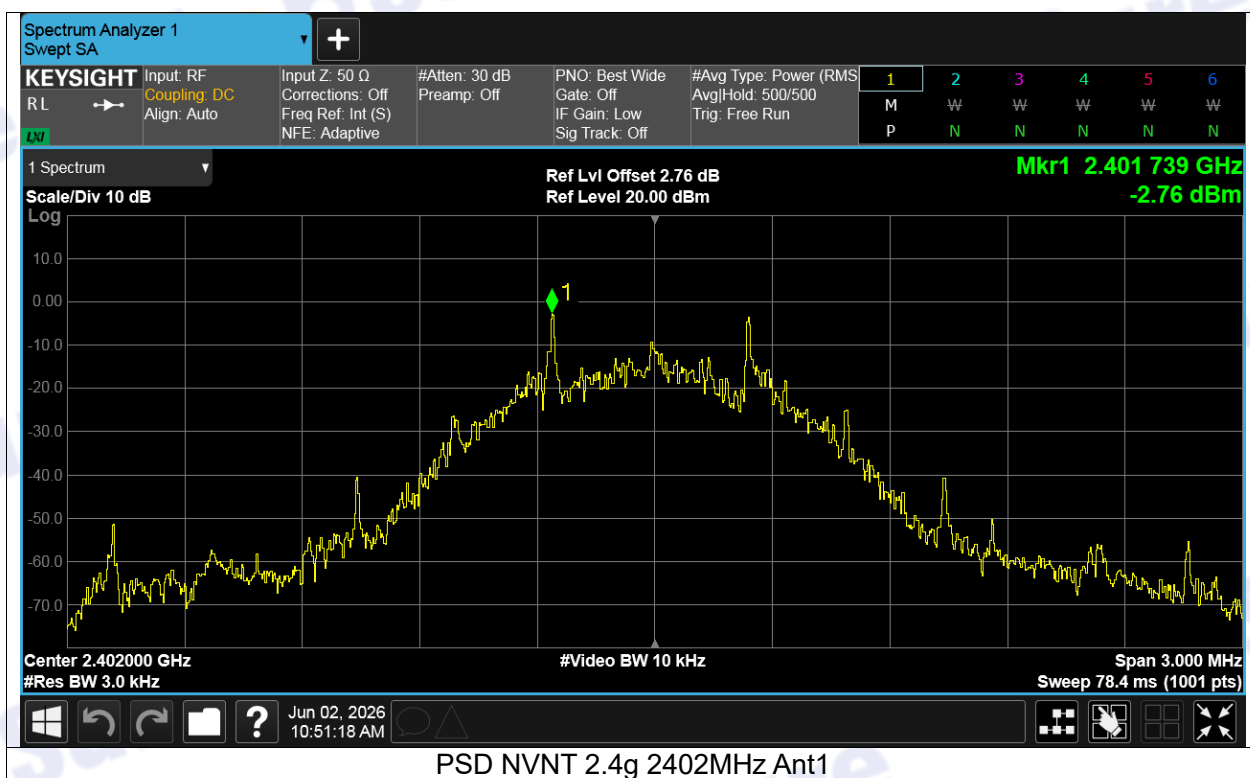
(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.

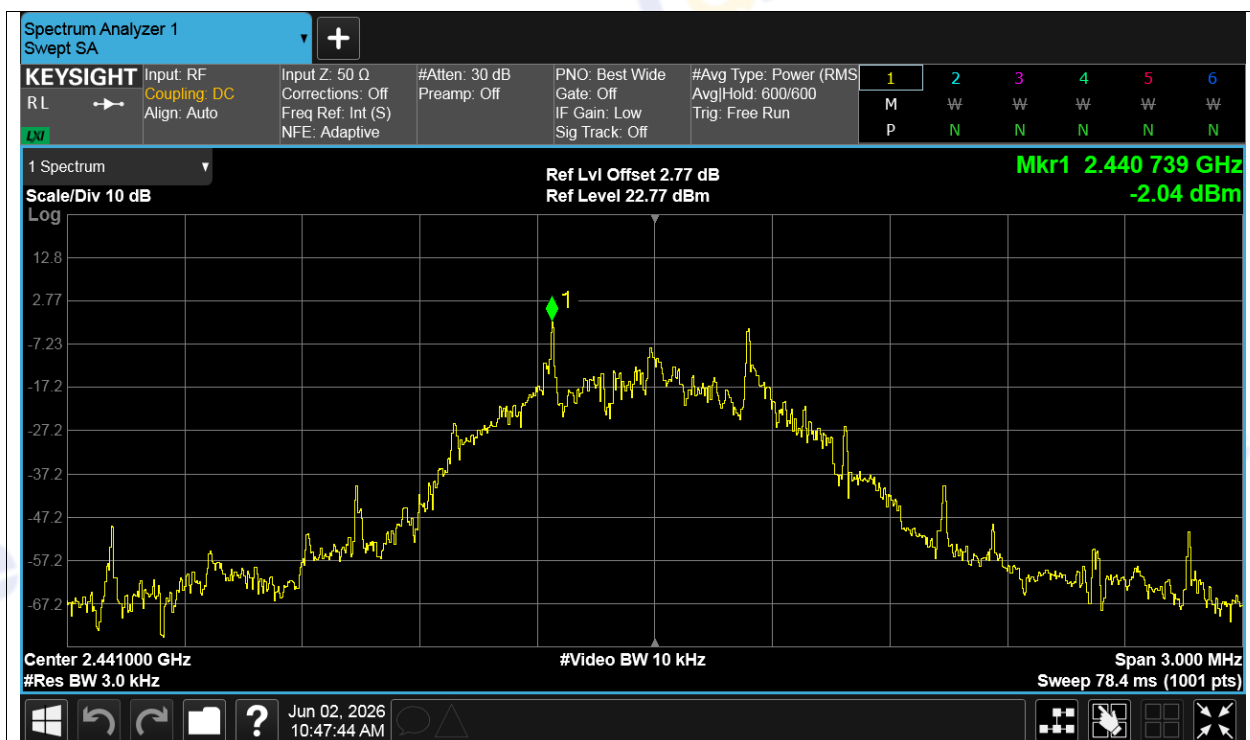
(4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

## 6.5. Test result

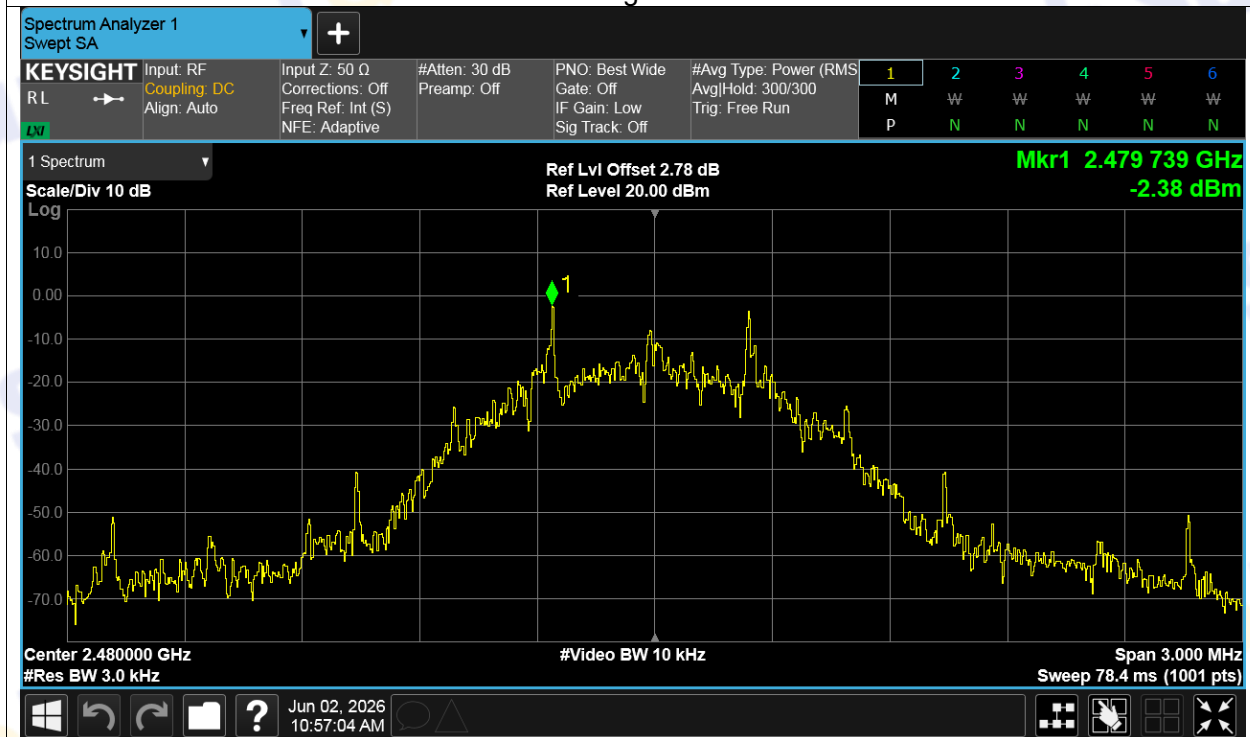
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | 2.4g | 2402            | Ant1    | -2.76               | 0                | -2.76           | 8           | Pass    |
| NVNT      | 2.4g | 2441            | Ant1    | -2.04               | 0                | -2.04           | 8           | Pass    |
| NVNT      | 2.4g | 2480            | Ant1    | -2.38               | 0                | -2.38           | 8           | Pass    |

## 6.6. Original test data





PSD NVNT 2.4g 2441MHz Ant1



PSD NVNT 2.4g 2480MHz Ant1

## 7. Band Edge Compliance (Conducted Method)

### 7.1. General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Jun. 02, 2026        | Test engineer | Luke Li           |       |
| Climate condition | Ambient temperature  | 21.8°C        | Relative humidity | 73.6% |
|                   | Atmospheric pressure | 100.7kPa      |                   |       |
| Test place        | EMC Room 1#          |               |                   |       |

### 7.2. Block diagram of test setup

Same with 4.1

### 7.3. Limits

| FCC Part15 (15.247), Subpart C |                    |                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Section                        | Test Item          | Limit                                                                                                                                                                                                                                                                                                                         |
| FCC §15.247 (d)                | Conducted Bandedge | In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. |

### 7.4. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

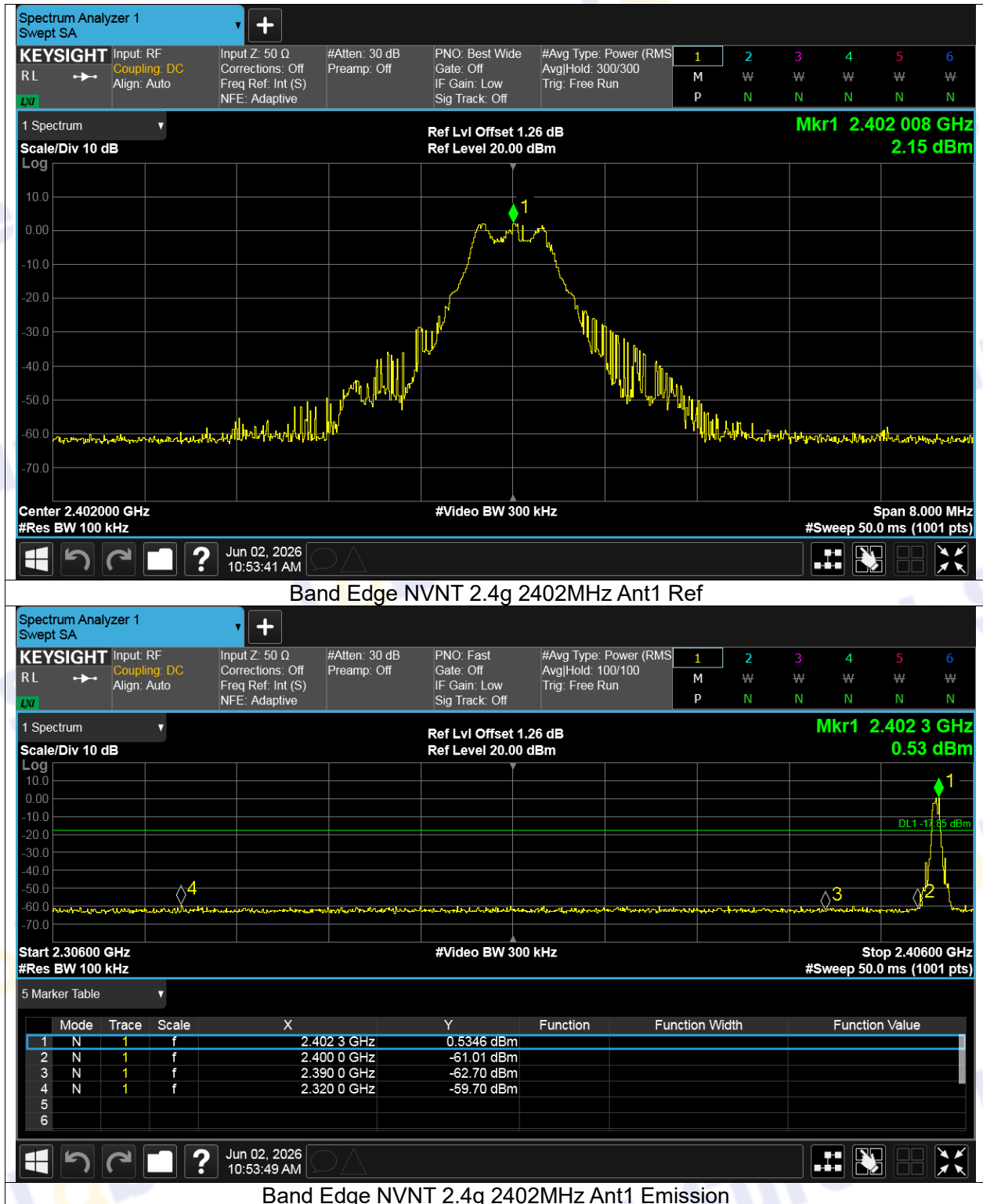
|                              |                                          |
|------------------------------|------------------------------------------|
| RBW:                         | 100 kHz                                  |
| VBW:                         | 300 kHz                                  |
| Span                         | Encompass frequency range to be measured |
| Number of measurement points | $\geq \text{span/RBW}$                   |
| Detector Mode:               | Peak                                     |
| Sweep time:                  | auto                                     |
| Trace mode                   | Max hold                                 |

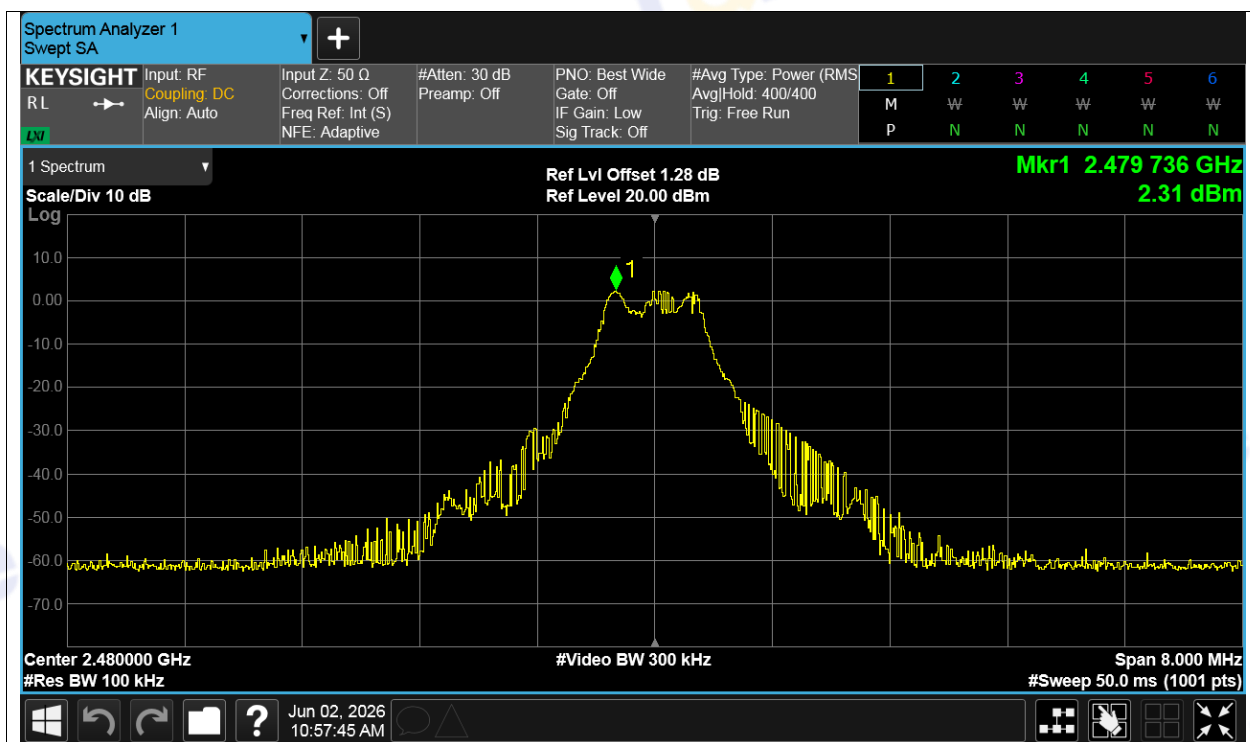
(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

## 7.5. Test result

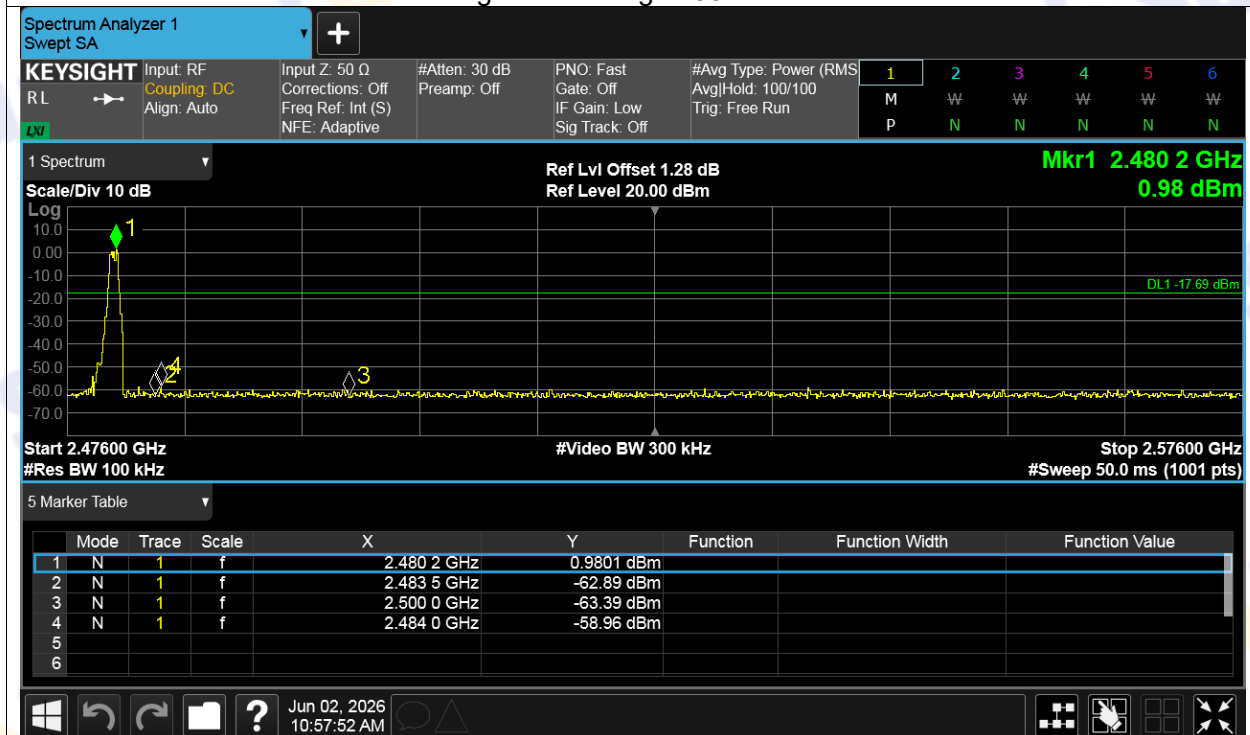
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 2.4g | 2402            | Ant1    | -61.85          | -20         | Pass    |
| NVNT      | 2.4g | 2480            | Ant1    | -61.27          | -20         | Pass    |

## 7.6. Original test data





## Band Edge NVNT 2.4g 2480MHz Ant1 Ref



## Band Edge NVNT 2.4g 2480MHz Ant1 Emission

## 8. RF Conducted Spurious Emissions

### 8.1. General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Jun. 02, 2026        | Test engineer | Luke Li           |       |
| Climate condition | Ambient temperature  | 21.8°C        | Relative humidity | 73.6% |
|                   | Atmospheric pressure | 100.7kPa      |                   |       |
| Test place        | EMC Room 1#          |               |                   |       |

### 8.2. Block diagram of test setup

Same as section 4.1

### 8.3. Limits

| FCC Part15 (15.247), Subpart C |                              |                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Section                        | Test Item                    | Limit                                                                                                                                                                                                                                                                                                                         |
| FCC Part 15.247 (d)            | Conducted Spurious Emissions | In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. |

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

### 8.4. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Center frequency | Test frequency                                                |
| RBW:             | 100 kHz                                                       |
| VBW:             | 300 kHz                                                       |
| Span             | Wide enough to capture the peak level of the in-band emission |
| Detector Mode:   | Peak                                                          |

Sweep time: auto

Trace mode Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

RBW: 100 kHz

VBW: 300 kHz

Span Encompass frequency range to be measured

Number of measurement points  $\geq \text{span/RBW}$

Detector Mode: Peak

Sweep time: auto

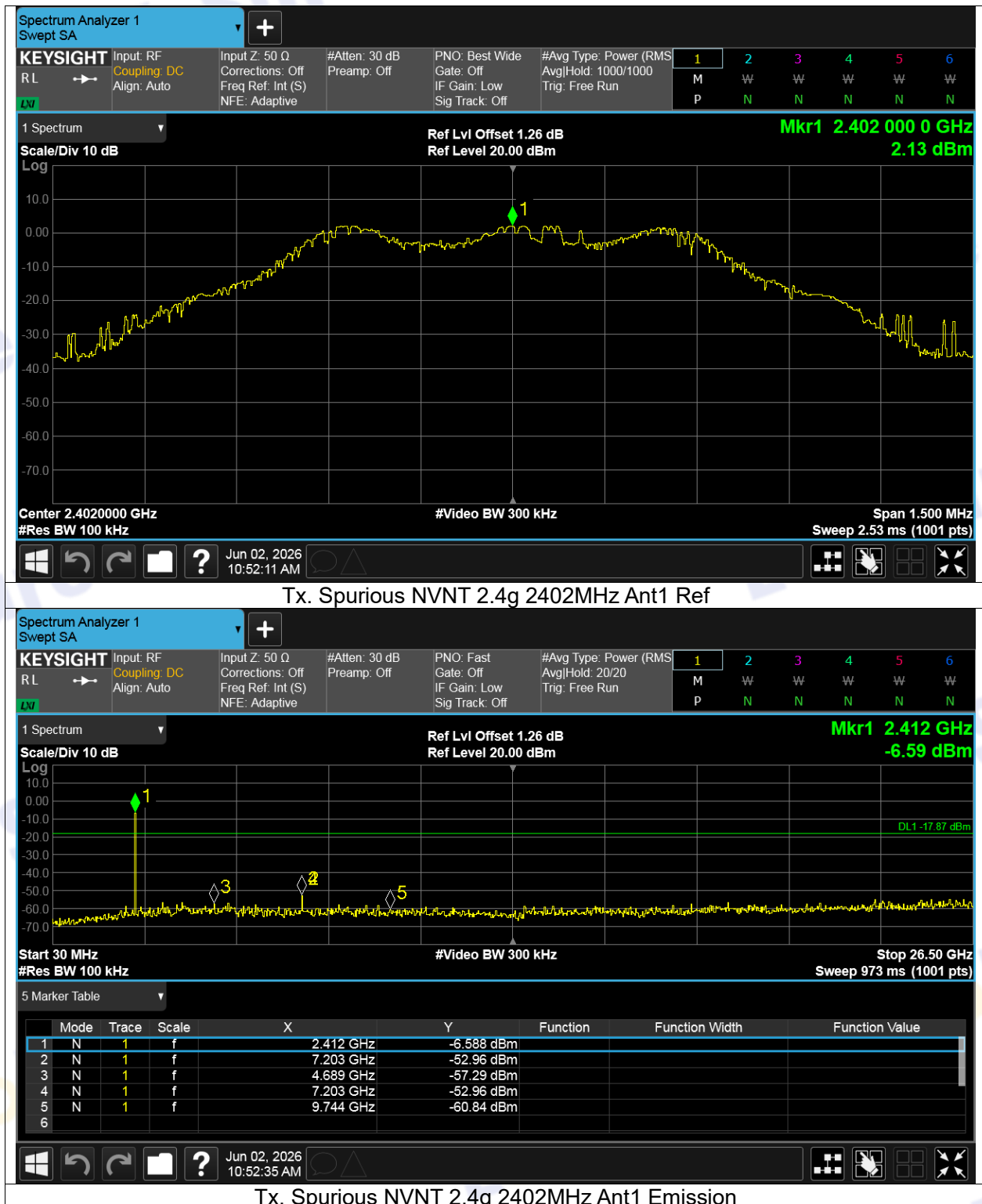
Trace mode Max hold

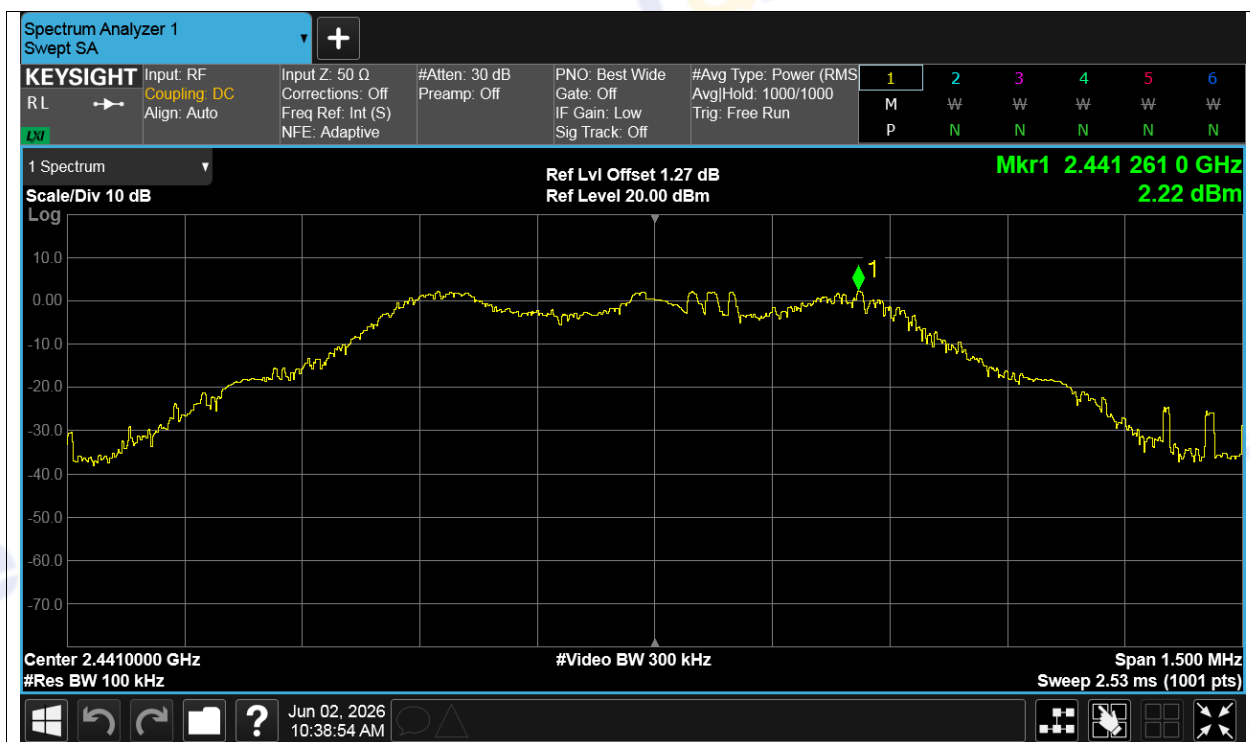
(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

### 8.5. Test result

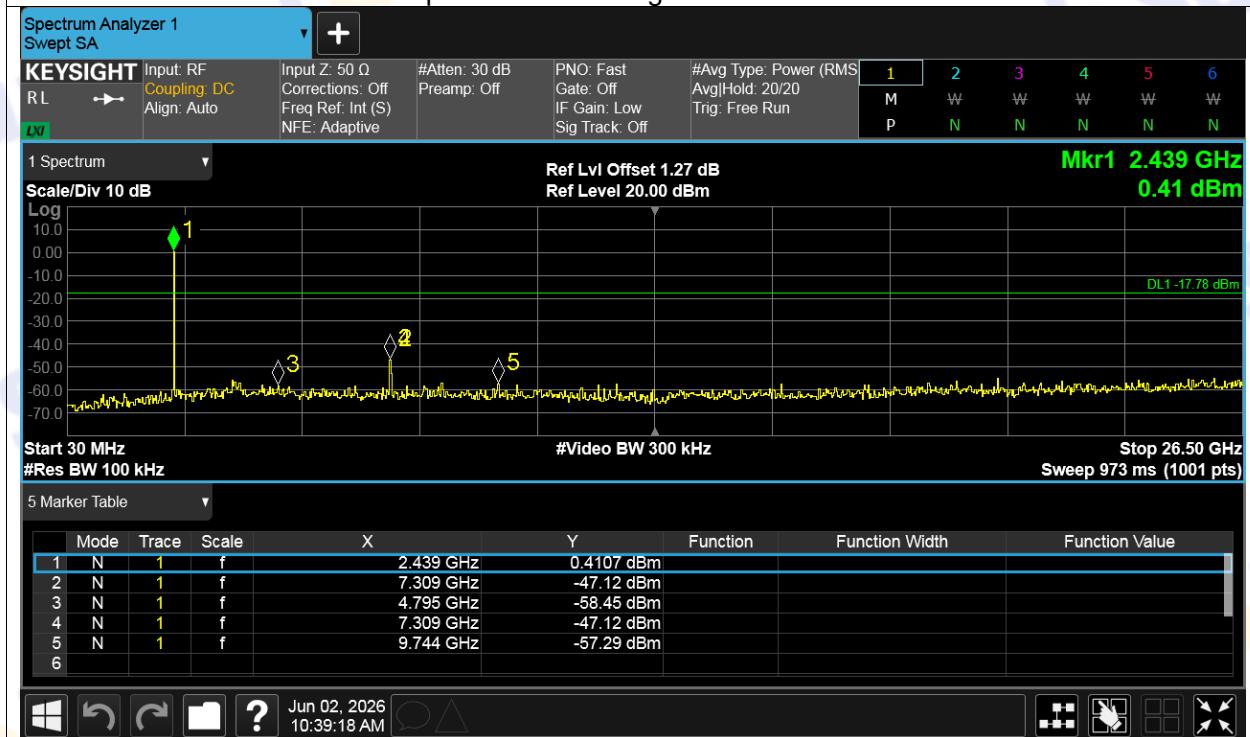
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 2.4g | 2402            | Ant1    | -55.09          | -20         | Pass    |
| NVNT      | 2.4g | 2441            | Ant1    | -49.34          | -20         | Pass    |
| NVNT      | 2.4g | 2480            | Ant1    | -56.84          | -20         | Pass    |

## 8.6. Original test data

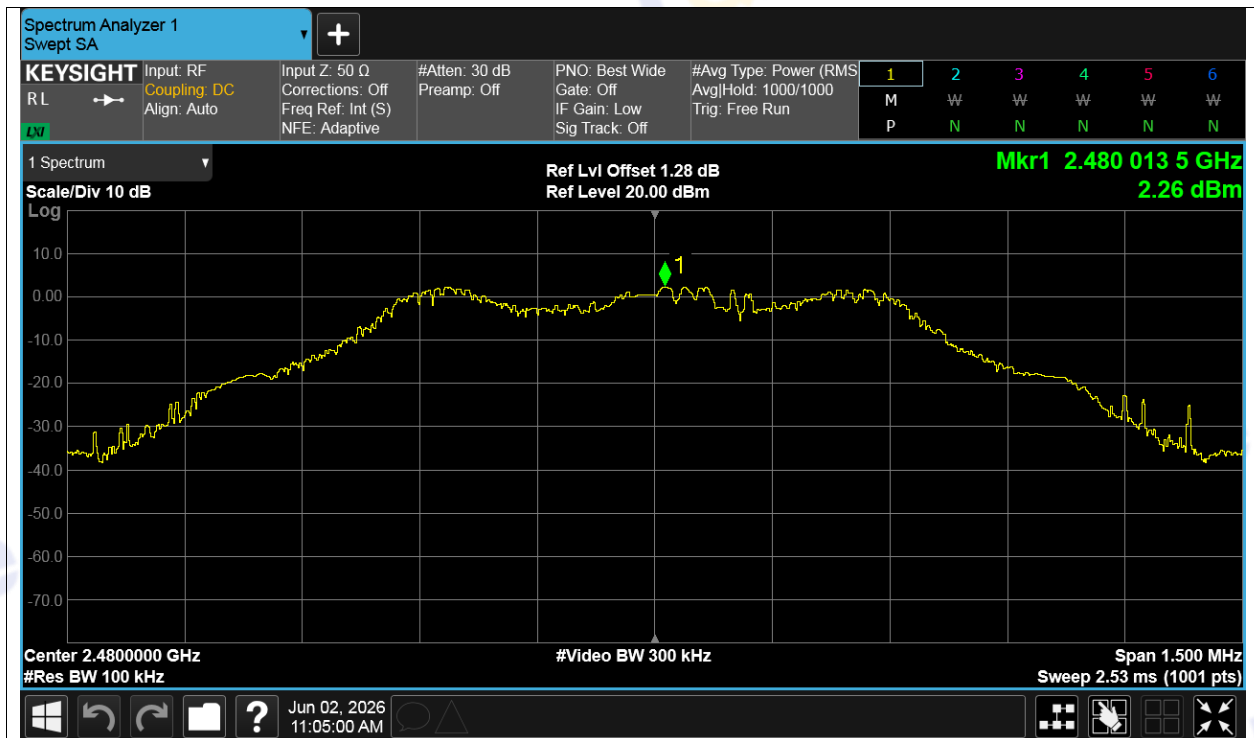




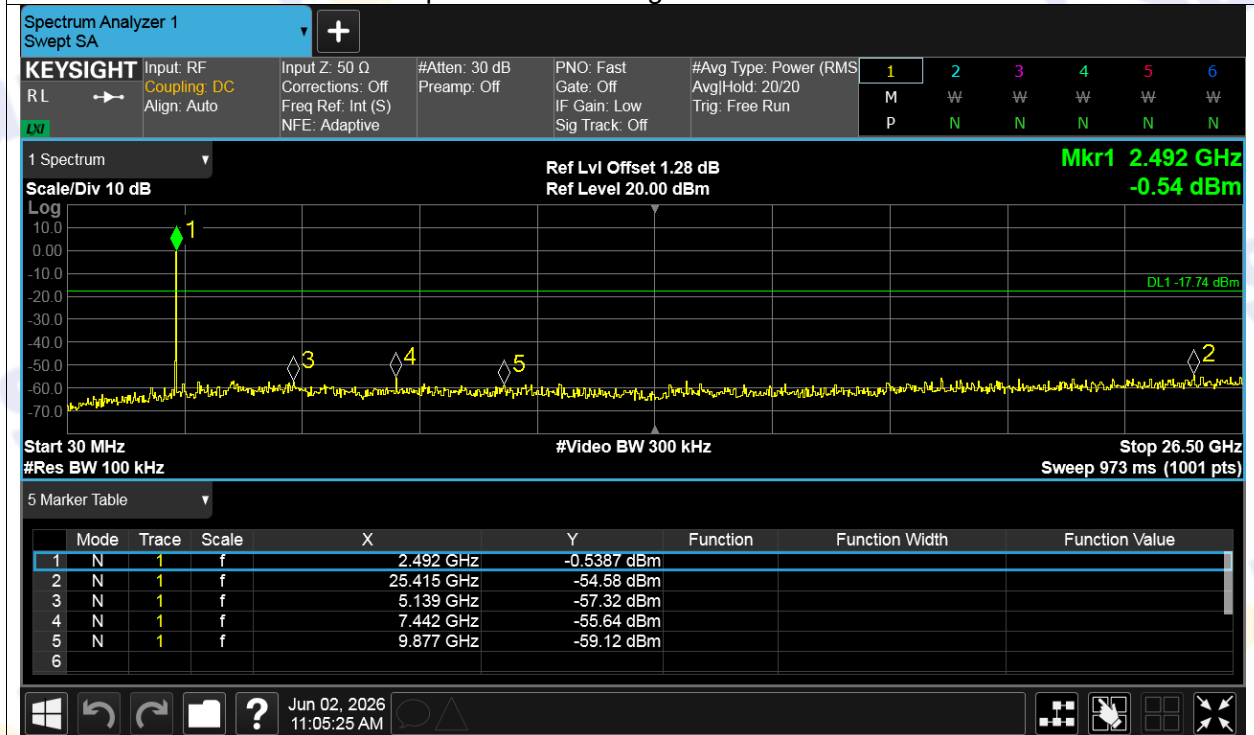
Tx. Spurious NVNT 2.4g 2441MHz Ant1 Ref



Tx. Spurious NVNT 2.4g 2441MHz Ant1 Emission



Tx. Spurious NVNT 2.4g 2480MHz Ant1 Ref



Tx. Spurious NVNT 2.4g 2480MHz Ant1 Emission

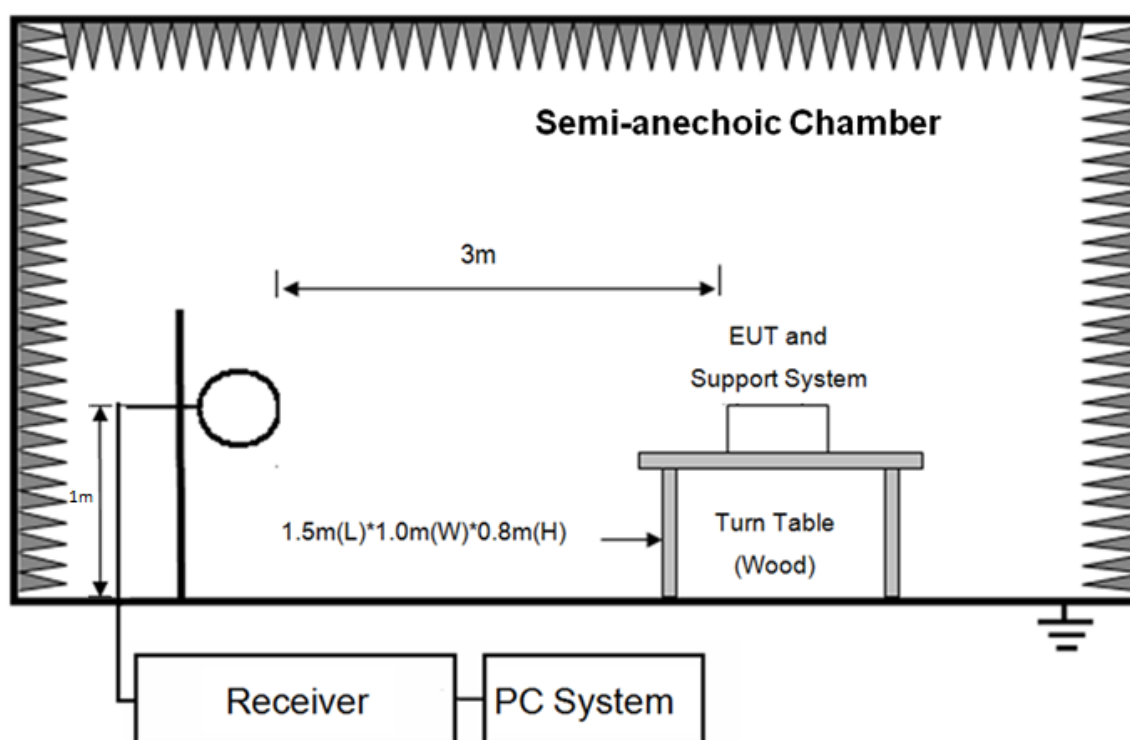
## 9. Radiated Emission

### 9.1. General Information

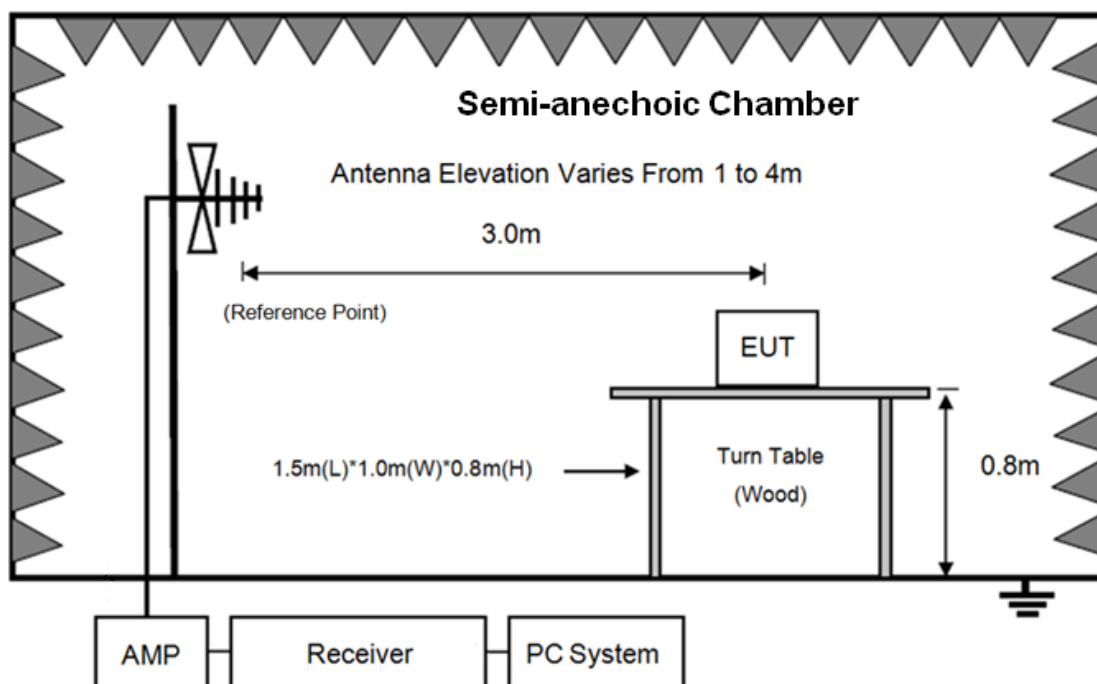
|                   |                               |               |                   |       |
|-------------------|-------------------------------|---------------|-------------------|-------|
| Test date         | May. 27, 2026 ~ May. 31, 2026 | Test engineer | Cheney Qu         |       |
| Climate condition | Ambient temperature           | 24.6°C        | Relative humidity | 48.7% |
|                   | Atmospheric pressure          | 101.2kPa      |                   |       |
| Test place        | EMC Room 1#                   |               |                   |       |

### 9.2. Block diagram of test setup

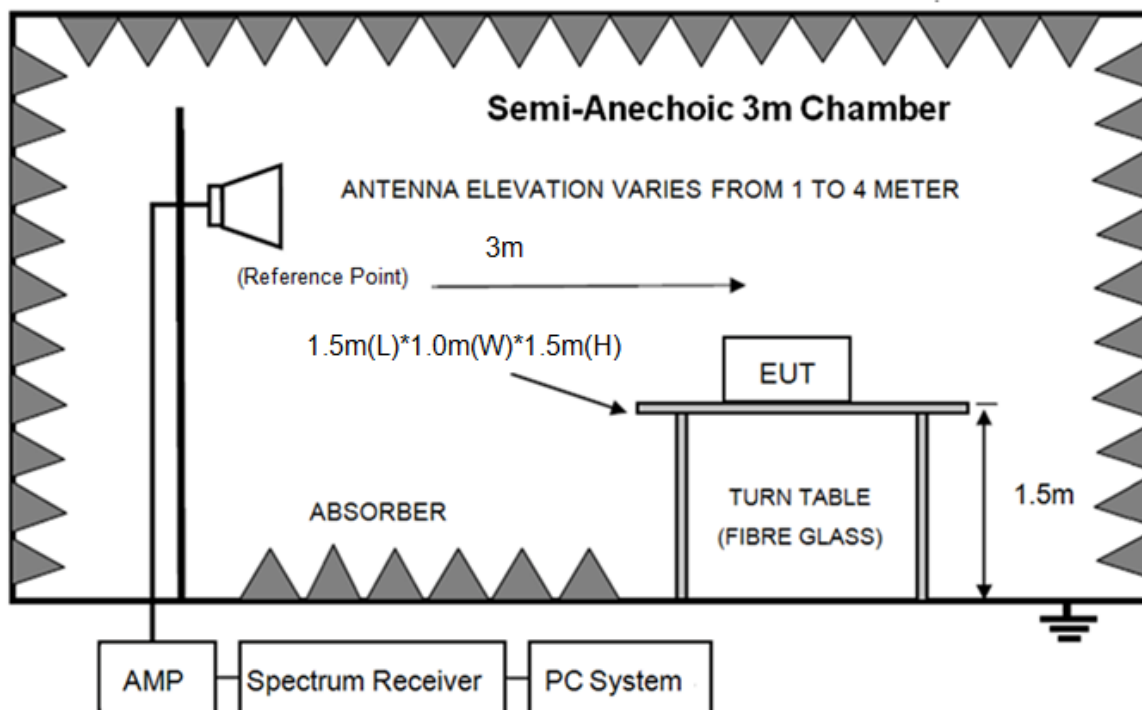
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

### 9.3. Limit

#### 8.2.1 FCC 15.205 Restricted frequency band

| MHz               | MHz                 | MHz           | GHz              |
|-------------------|---------------------|---------------|------------------|
| 0.090-0.110       | 16.42-16.423        | 399.9-410     | 4.5-5.15         |
| 10.495-0.505      | 16.69475-16.69525   | 608-614       | 5.35-5.46        |
| 2.1735-2.1905     | 16.80425-16.80475   | 960-1240      | 7.25-7.75        |
| 4.125-4.128       | 25.5-25.67          | 1300-1427     | 8.025-8.5        |
| 4.1772&4.17775    | 37.5-38.25          | 1435-1626.5   | 9.0-9.2          |
| 4.2072&4.20775    | 73-74.6             | 1645.5-1646.5 | 9.3-9.5          |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7        |
| 6.26775-6.26825   | 108-121.94          | 1718.8-1722.2 | 13.25-13.4       |
| 6.31175-6.31225   | 123-138             | 2200-2300     | 14.47-14.5       |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2       |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4        |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12      |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0        |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8        |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5       |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | ( <sup>2</sup> ) |
| 13.36-13.41       |                     |               |                  |

<sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup>Above 38.6

### 9.4. Test Procedure

- (1) EUT was placed on a non-metallic table, 10 mm above the ground plane inside a semi-anechoic chamber for below 1 GHz and 150 cm above the ground plane inside a semi-anechoic chamber for above 1 GHz.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

| Test frequency range | Test antenna used                              | Test antenna distance |
|----------------------|------------------------------------------------|-----------------------|
| 9 kHz - 30 MHz       | Active Loop antenna                            | 3 m                   |
| 30 MHz - 1 GHz       | Trilog Broadband Antenna                       | 3 m                   |
| 1 GHz - 18 GHz       | Double Ridged Horn Antenna<br>(1 GHz - 18 GHz) | 3 m                   |
| 18 GHz - 40 GHz      | Horn Antenna<br>(18 GHz - 40 GHz)              | 3 m                   |

According ANSI C63.10:2020+CORR.1:2023 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also is positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. For measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the

measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW

| Frequency band   | RBW     |
|------------------|---------|
| 9 kHz - 150 kHz  | 200 Hz  |
| 150 kHz - 30 MHz | 9 kHz   |
| 30 MHz - 1 GHz   | 120 kHz |

(7) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 clause 4.1.4.2.2 procedure for average measure.

(8) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

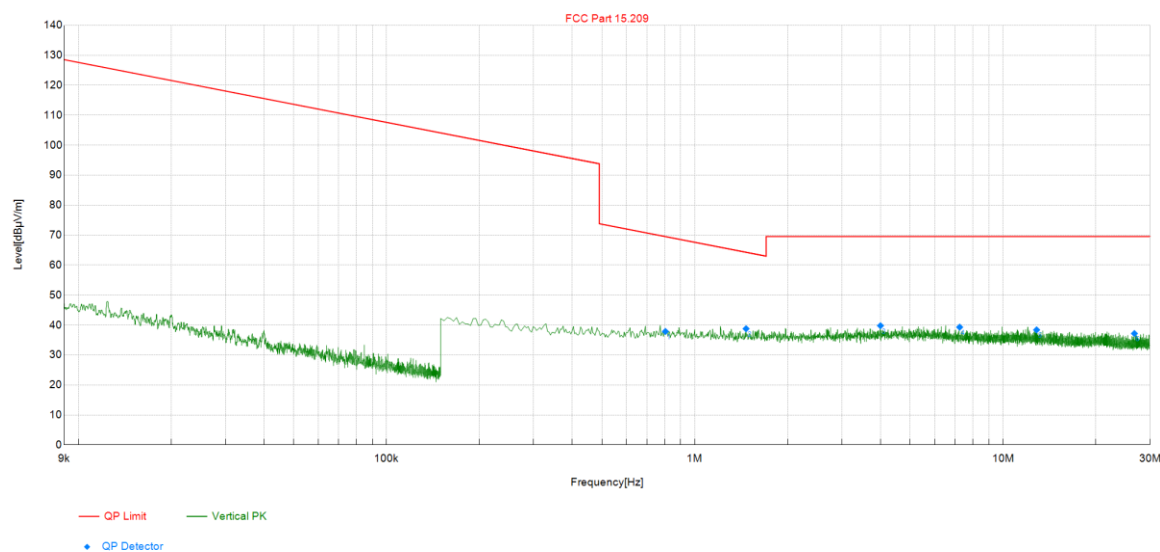
## 9.5. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limit.

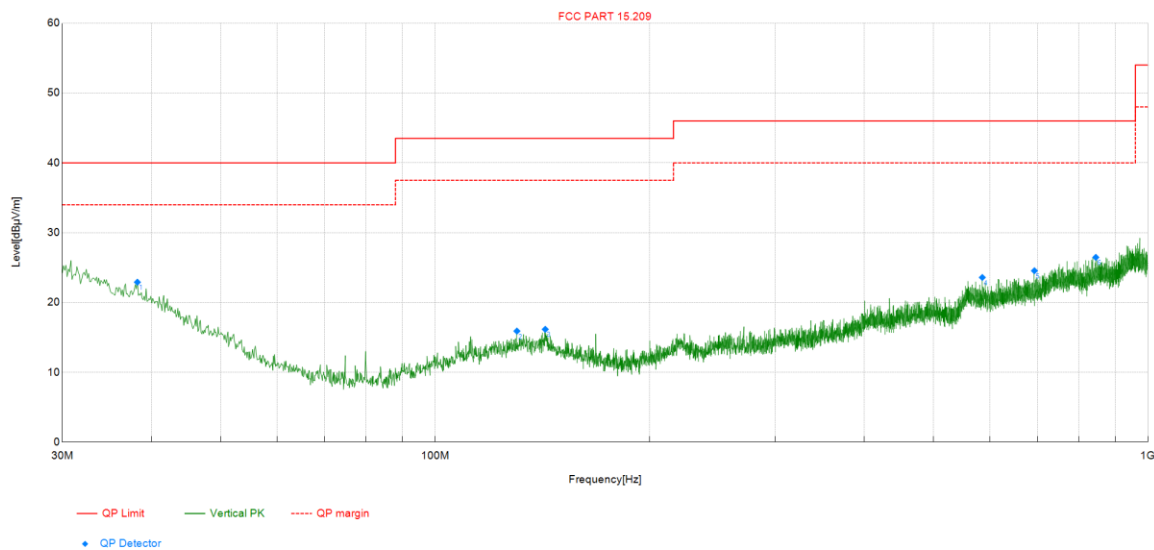
Note1: For emissions 9KHz to 30 MHz and 18 GHz to 26 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions 9KHz to 30 MHz and 18 GHz to 26 GHz, the final test was only performed with EUT working in the worst case 1Mbps, Tx 2402 MHz mode.

Note2: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

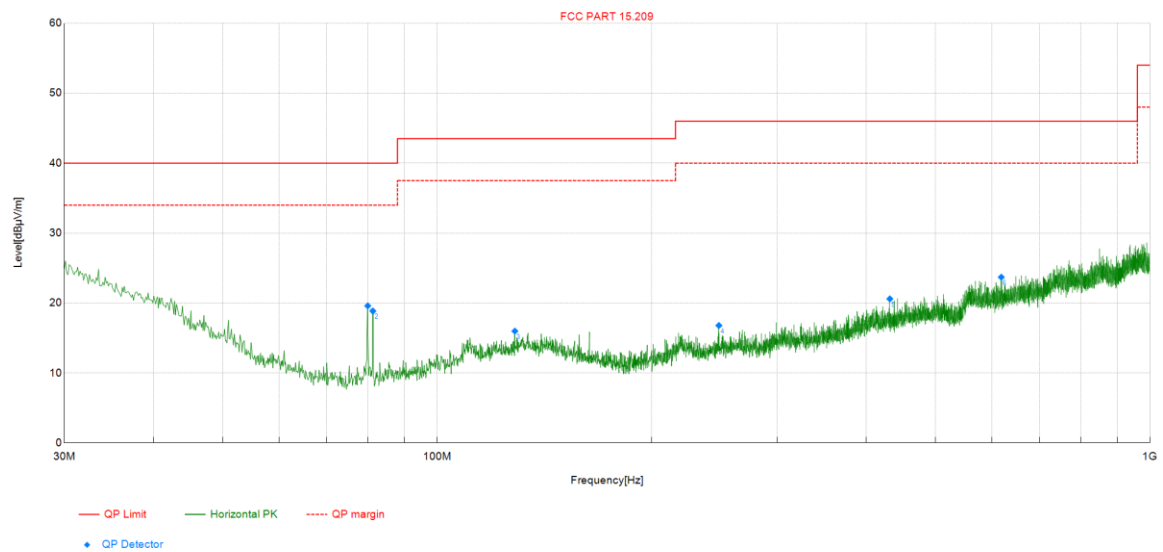
**Radiated Emission test (9Khz-30MHz)**

| NO. | Frequency [MHz] | Factor [dB/m] | QP Reading [dBμV] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 0.80            | 20.30         | 17.56             | 37.86             | 69.51             | 31.65          | V   | PASS    |
| 2   | 1.47            | 20.06         | 18.71             | 38.77             | 64.28             | 25.51          | V   | PASS    |
| 3   | 4.00            | 20.32         | 19.46             | 39.78             | 69.54             | 29.76          | V   | PASS    |
| 4   | 7.24            | 20.29         | 19                | 39.29             | 69.54             | 30.25          | V   | PASS    |
| 5   | 12.85           | 20.04         | 18.34             | 38.38             | 69.54             | 31.16          | V   | PASS    |
| 6   | 26.69           | 20.32         | 16.86             | 37.18             | 69.54             | 32.36          | V   | PASS    |

## Radiated Emission test (30MHz-1GHz)



| NO. | Frequency [MHz] | Factor [dB/m] | QP Reading [dBμV] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin[dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|---------------|-----|---------|
| 1   | 38.25           | -16.08        | 38.99             | 22.91             | 40.00             | 17.09         | V   | PASS    |
| 2   | 130.27          | -22.34        | 38.25             | 15.91             | 43.50             | 27.59         | V   | PASS    |
| 3   | 142.76          | -22.15        | 38.31             | 16.16             | 43.50             | 27.34         | V   | PASS    |
| 4   | 585.57          | -12.78        | 36.37             | 23.59             | 46.00             | 22.41         | V   | PASS    |
| 5   | 692.87          | -11.63        | 36.18             | 24.55             | 46.00             | 21.45         | V   | PASS    |
| 6   | 844.80          | -8.48         | 34.95             | 26.47             | 46.00             | 19.53         | V   | PASS    |



| NO. | Frequency [MHz] | Factor [dB/m] | QP Reading [dBμV] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 79.96           | -27.63        | 47.23             | 19.60             | 40.00             | 20.40          | H   | PASS    |
| 2   | 81.29           | -27.61        | 46.47             | 18.86             | 40.00             | 21.14          | H   | PASS    |
| 3   | 128.58          | -22.42        | 38.41             | 15.99             | 43.50             | 27.51          | H   | PASS    |
| 4   | 248.49          | -21.46        | 38.25             | 16.79             | 46.00             | 29.21          | H   | PASS    |
| 5   | 431.58          | -16.75        | 37.35             | 20.60             | 46.00             | 25.40          | H   | PASS    |
| 6   | 618.55          | -12.67        | 36.37             | 23.70             | 46.00             | 22.30          | H   | PASS    |

**Radiated Emission test (1GHz-3GHz)**

|         |              |           |
|---------|--------------|-----------|
| Mode    | Test channel | Ant. Pol. |
| 2.4Gbps | 2402MHz      | Vertical  |



| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 1352.75         | 57.76          | 44.61          | -13.15        | 74.00          | 29.39       | PK  | V   | PASS    |
| 2   | 1495.75         | 57.81          | 43.65          | -14.16        | 74.00          | 30.35       | PK  | V   | PASS    |
| 3   | 1736.25         | 57.38          | 44.31          | -13.07        | 74.00          | 29.69       | PK  | V   | PASS    |
| 4   | 1947.50         | 57.35          | 47.25          | -10.10        | 74.00          | 26.75       | PK  | V   | PASS    |
| 5   | 2034.00         | 57.71          | 47.94          | -9.77         | 74.00          | 26.06       | PK  | V   | PASS    |
| 6   | 2662.75         | 57.39          | 48.44          | -8.95         | 74.00          | 25.56       | PK  | V   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

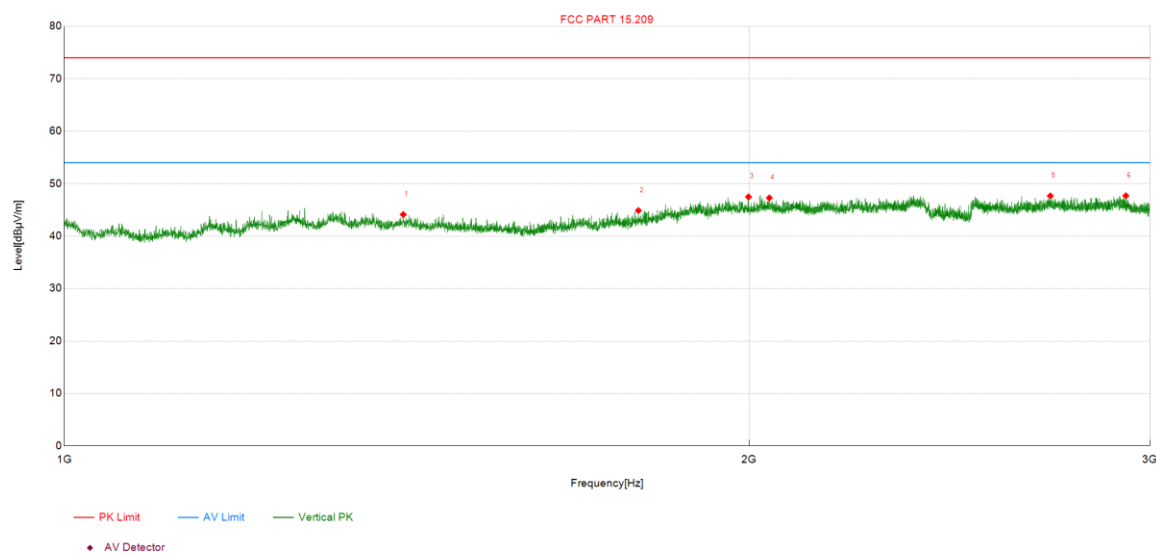
|         |              |            |
|---------|--------------|------------|
| Mode    | Test channel | Ant. Pol.  |
| 2.4Gbps | 2402MHz      | Horizontal |



| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 1364.75         | 58.19          | 44.97          | -13.22        | 74.00          | 29.03       | PK  | H   | PASS    |
| 2   | 1640.75         | 58.20          | 44.19          | -14.01        | 74.00          | 29.81       | PK  | H   | PASS    |
| 3   | 1888.00         | 57.36          | 46.72          | -10.64        | 74.00          | 27.28       | PK  | H   | PASS    |
| 4   | 1946.75         | 57.27          | 47.16          | -10.11        | 74.00          | 26.84       | PK  | H   | PASS    |
| 5   | 2361.75         | 56.75          | 47.97          | -8.78         | 74.00          | 26.03       | PK  | H   | PASS    |
| 6   | 2700.50         | 56.08          | 47.64          | -8.44         | 74.00          | 26.36       | PK  | H   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

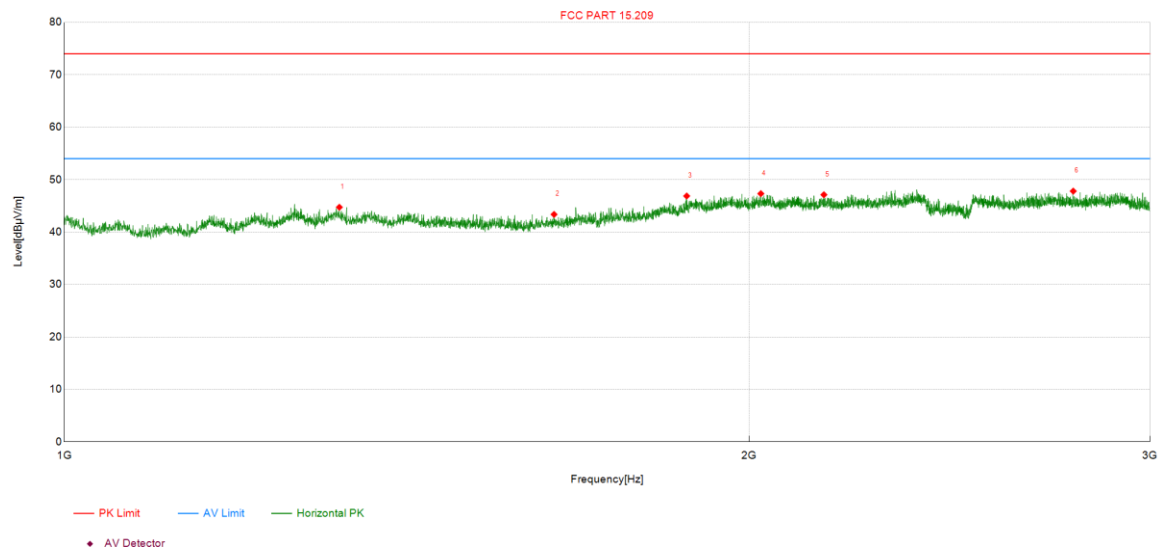
|         |              |           |
|---------|--------------|-----------|
| Mode    | Test channel | Ant. Pol. |
| 2.4Gbps | 2441MHz      | Vertical  |



| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 1409.25         | 57.67          | 44.12          | -13.55        | 74.00          | 29.88       | PK  | V   | PASS    |
| 2   | 1787.75         | 57.39          | 44.87          | -12.52        | 74.00          | 29.13       | PK  | V   | PASS    |
| 3   | 1998.50         | 57.25          | 47.48          | -9.77         | 74.00          | 26.52       | PK  | V   | PASS    |
| 4   | 2041.00         | 57.07          | 47.28          | -9.79         | 74.00          | 26.72       | PK  | V   | PASS    |
| 5   | 2712.00         | 56.08          | 47.66          | -8.42         | 74.00          | 26.34       | PK  | V   | PASS    |
| 6   | 2927.50         | 55.77          | 47.69          | -8.08         | 74.00          | 26.31       | PK  | V   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

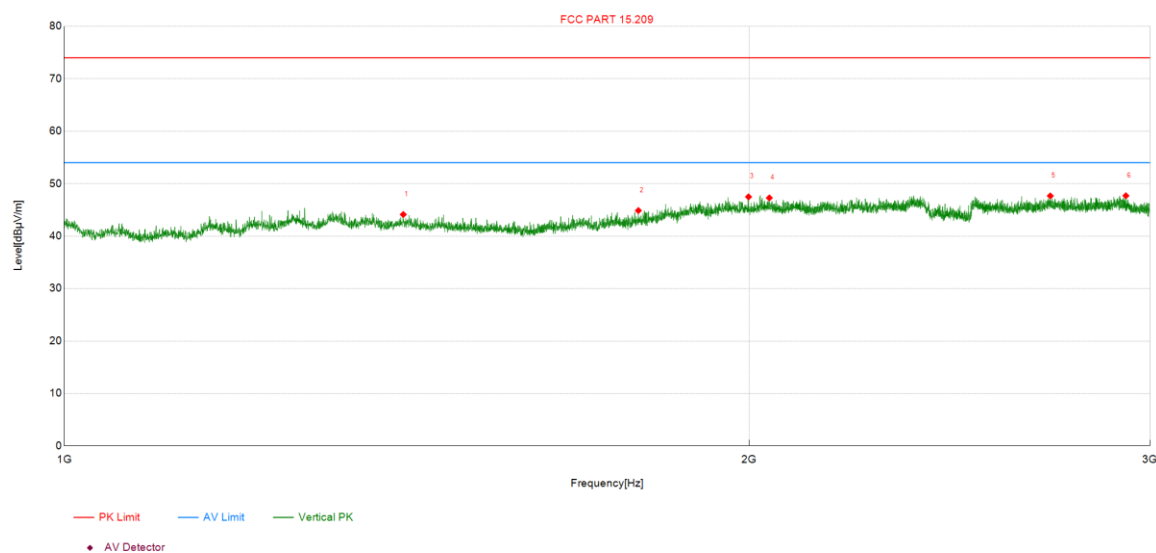
|         |              |            |
|---------|--------------|------------|
| Mode    | Test channel | Ant. Pol.  |
| 2.4Gbps | 2441MHz      | Horizontal |



| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 1321.00         | 57.67          | 44.74          | -12.93        | 74.00          | 29.26       | PK  | H   | PASS    |
| 2   | 1641.50         | 57.37          | 43.37          | -14.00        | 74.00          | 30.63       | PK  | H   | PASS    |
| 3   | 1877.25         | 57.69          | 46.88          | -10.81        | 74.00          | 27.12       | PK  | H   | PASS    |
| 4   | 2023.50         | 57.10          | 47.33          | -9.77         | 74.00          | 26.67       | PK  | H   | PASS    |
| 5   | 2156.75         | 56.81          | 47.12          | -9.69         | 74.00          | 26.88       | PK  | H   | PASS    |
| 6   | 2775.75         | 56.30          | 47.81          | -8.49         | 74.00          | 26.19       | PK  | H   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

|         |              |           |
|---------|--------------|-----------|
| Mode    | Test channel | Ant. Pol. |
| 2.4Gbps | 2480MHz      | Vertical  |



| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 1409.25         | 57.67          | 44.12          | -13.55        | 74.00          | 29.88       | PK  | V   | PASS    |
| 2   | 1787.75         | 57.39          | 44.87          | -12.52        | 74.00          | 29.13       | PK  | V   | PASS    |
| 3   | 1998.50         | 57.25          | 47.48          | -9.77         | 74.00          | 26.52       | PK  | V   | PASS    |
| 4   | 2041.00         | 57.07          | 47.28          | -9.79         | 74.00          | 26.72       | PK  | V   | PASS    |
| 5   | 2712.00         | 56.08          | 47.66          | -8.42         | 74.00          | 26.34       | PK  | V   | PASS    |
| 6   | 2927.50         | 55.77          | 47.69          | -8.08         | 74.00          | 26.31       | PK  | V   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

|         |              |            |
|---------|--------------|------------|
| Mode    | Test channel | Ant. Pol.  |
| 2.4Gbps | 2480MHz      | Horizontal |

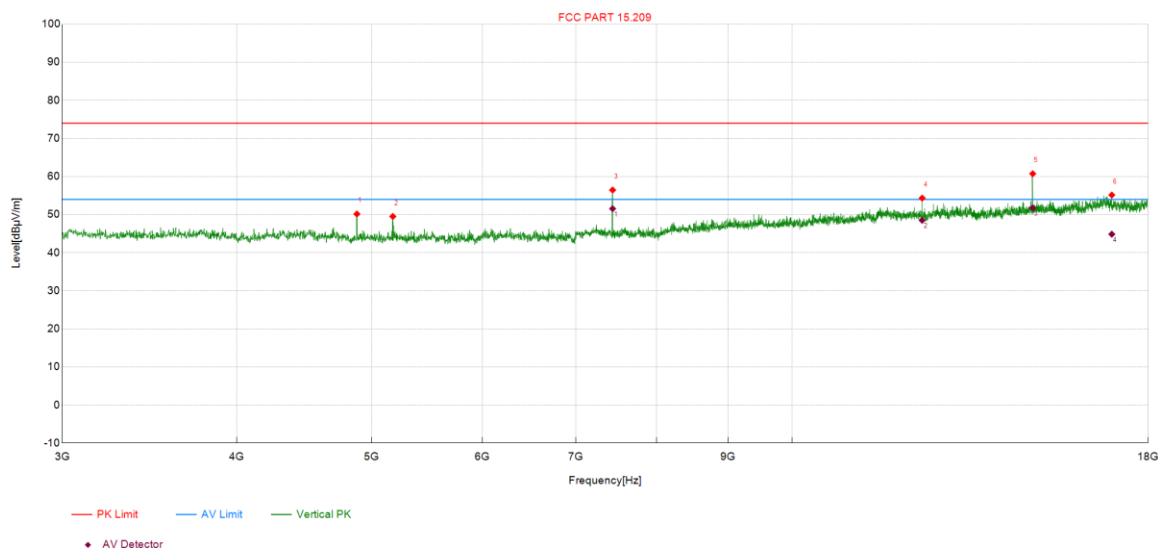


| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 1321.00         | 57.67          | 44.74          | -12.93        | 74.00          | 29.26       | PK  | H   | PASS    |
| 2   | 1641.50         | 57.37          | 43.37          | -14.00        | 74.00          | 30.63       | PK  | H   | PASS    |
| 3   | 1877.25         | 57.69          | 46.88          | -10.81        | 74.00          | 27.12       | PK  | H   | PASS    |
| 4   | 2023.50         | 57.10          | 47.33          | -9.77         | 74.00          | 26.67       | PK  | H   | PASS    |
| 5   | 2156.75         | 56.81          | 47.12          | -9.69         | 74.00          | 26.88       | PK  | H   | PASS    |
| 6   | 2775.75         | 56.30          | 47.81          | -8.49         | 74.00          | 26.19       | PK  | H   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

**Radiated Emission test (3GHz-18GHz)**

| Mode    | Test channel | Ant. Pol. |
|---------|--------------|-----------|
| 2.4Gbps | 2402MHz      | Vertical  |

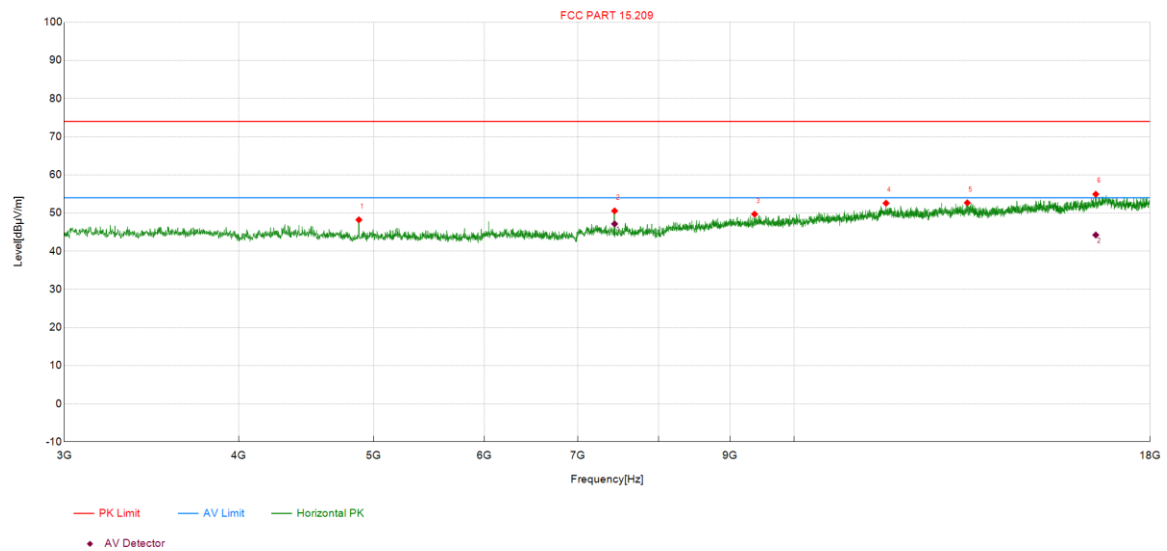


| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 4878.75         | 56.54          | 50.17          | -6.37         | 74.00          | 23.83       | PK  | V   | PASS    |
| 2   | 5176.88         | 55.33          | 49.53          | -5.80         | 74.00          | 24.47       | PK  | V   | PASS    |
| 3   | 7440.00         | 60.16          | 56.46          | -3.70         | 74.00          | 17.54       | PK  | V   | PASS    |
| 4   | 12399.38        | 50.87          | 54.34          | 3.47          | 74.00          | 19.66       | PK  | V   | PASS    |
| 5   | 14881.88        | 54.29          | 60.74          | 6.45          | 74.00          | 13.26       | PK  | V   | PASS    |
| 6   | 16955.63        | 45.91          | 55.15          | 9.24          | 74.00          | 18.85       | PK  | V   | PASS    |

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 7440.00         | -3.70         | 55.27             | 51.57             | 54.00             | 2.43           | V   | PASS    |
| 2   | 12399.38        | 3.47          | 45.04             | 48.51             | 54.00             | 5.49           | V   | PASS    |
| 3   | 14881.88        | 6.45          | 45.33             | 51.78             | 54.00             | 2.22           | V   | PASS    |
| 4   | 16955.63        | 9.24          | 35.62             | 44.86             | 54.00             | 9.14           | V   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

| Mode    | Test channel | Ant. Pol.  |
|---------|--------------|------------|
| 2.4Gbps | 2402MHz      | Horizontal |

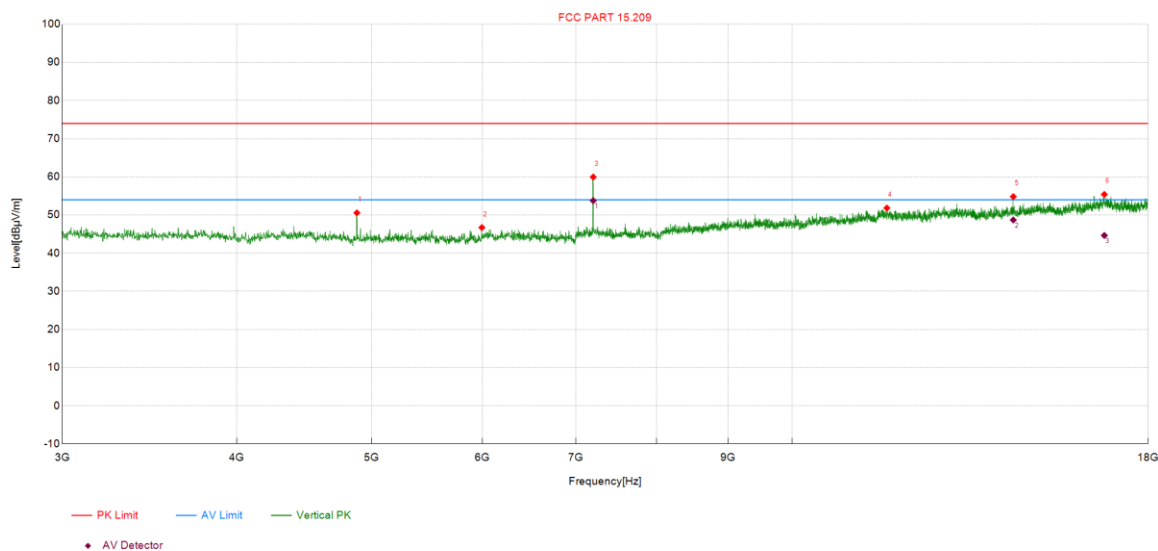


| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 4878.75         | 54.59          | 48.22          | -6.37         | 74.00          | 25.78       | PK  | H   | PASS    |
| 2   | 7440.00         | 54.26          | 50.56          | -3.70         | 74.00          | 23.44       | PK  | H   | PASS    |
| 3   | 9373.13         | 50.71          | 49.71          | -1.00         | 74.00          | 24.29       | PK  | H   | PASS    |
| 4   | 11643.75        | 49.84          | 52.57          | 2.73          | 74.00          | 21.43       | PK  | H   | PASS    |
| 5   | 13314.38        | 48.55          | 52.67          | 4.12          | 74.00          | 21.33       | PK  | H   | PASS    |
| 6   | 16458.75        | 46.25          | 54.93          | 8.68          | 74.00          | 19.07       | PK  | H   | PASS    |

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 7440.00         | -3.70         | 50.85             | 47.15             | 54.00             | 6.85           | H   | PASS    |
| 2   | 16458.75        | 8.68          | 35.56             | 44.24             | 54.00             | 9.76           | H   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

| Mode    | Test channel | Ant. Pol. |
|---------|--------------|-----------|
| 2.4Gbps | 2441MHz      | Vertical  |

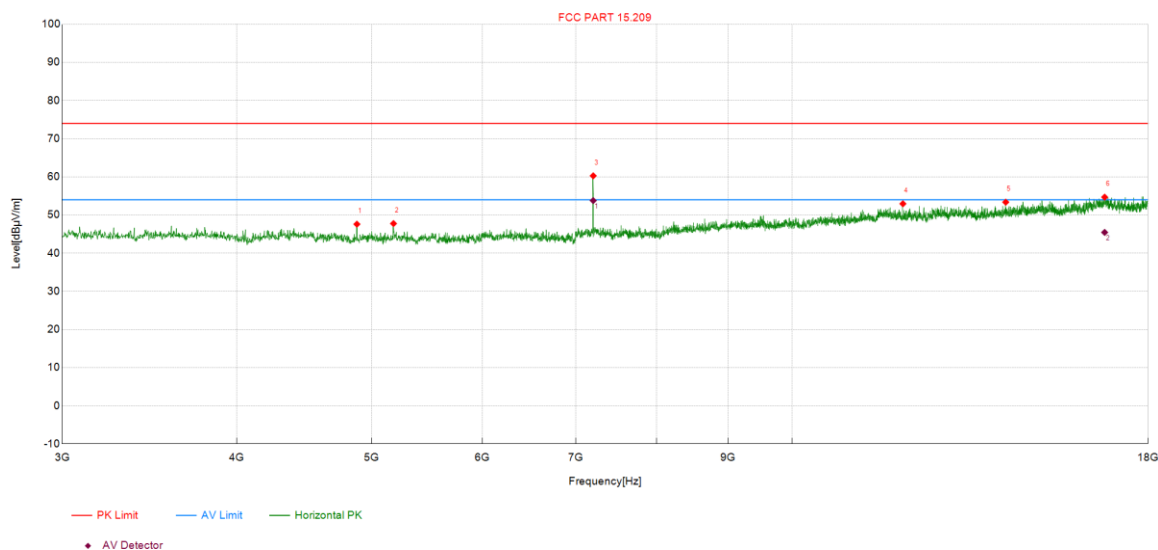


| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 4878.75         | 56.94          | 50.57          | -6.37         | 74.00          | 23.43       | PK  | V   | PASS    |
| 2   | 5996.25         | 51.91          | 46.72          | -5.19         | 74.00          | 27.28       | PK  | V   | PASS    |
| 3   | 7205.63         | 63.78          | 59.96          | -3.82         | 74.00          | 14.04       | PK  | V   | PASS    |
| 4   | 11698.13        | 49.13          | 51.83          | 2.70          | 74.00          | 22.17       | PK  | V   | PASS    |
| 5   | 14411.25        | 49.35          | 54.82          | 5.47          | 74.00          | 19.18       | PK  | V   | PASS    |
| 6   | 16747.50        | 45.98          | 55.40          | 9.42          | 74.00          | 18.60       | PK  | V   | PASS    |

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 7205.63         | -3.82         | 57.59             | 53.77             | 54.00             | 0.23           | V   | PASS    |
| 2   | 14411.25        | 5.47          | 43.23             | 48.70             | 54.00             | 5.30           | V   | PASS    |
| 3   | 16747.50        | 9.42          | 35.23             | 44.65             | 54.00             | 9.35           |     |         |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

| Mode    | Test channel | Ant. Pol.  |
|---------|--------------|------------|
| 2.4Gbps | 2441MHz      | Horizontal |

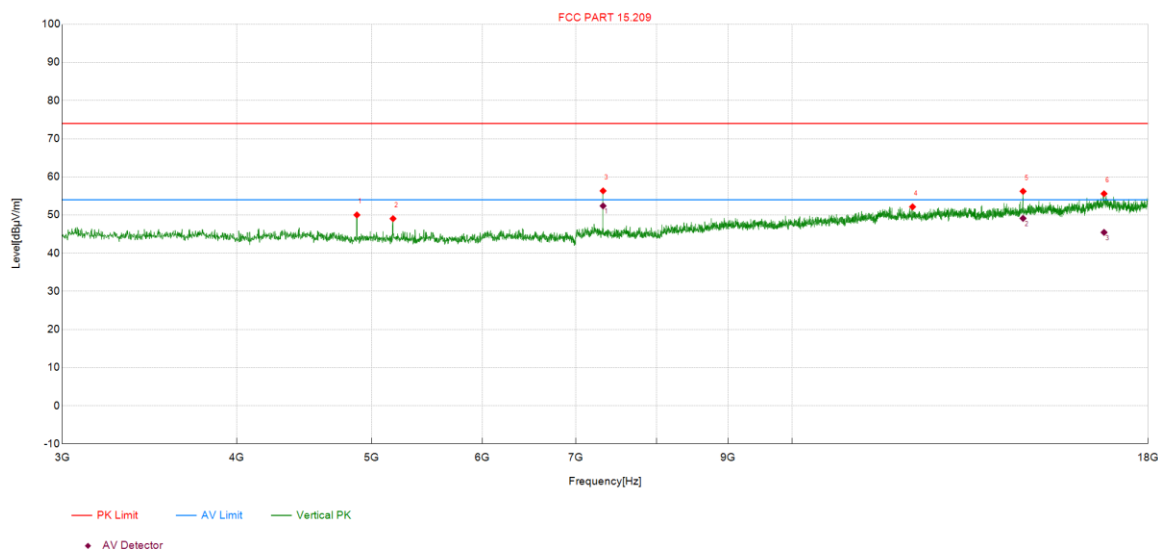


| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 4878.75         | 53.98          | 47.61          | -6.37         | 74.00          | 26.39       | PK  | H   | PASS    |
| 2   | 5182.50         | 53.49          | 47.77          | -5.72         | 74.00          | 26.23       | PK  | H   | PASS    |
| 3   | 7205.63         | 64.09          | 60.27          | -3.82         | 74.00          | 13.73       | PK  | H   | PASS    |
| 4   | 12011.25        | 49.94          | 52.95          | 3.01          | 74.00          | 21.05       | PK  | H   | PASS    |
| 5   | 14233.13        | 48.06          | 53.37          | 5.31          | 74.00          | 20.63       | PK  | H   | PASS    |
| 6   | 16756.88        | 45.25          | 54.69          | 9.44          | 74.00          | 19.31       | PK  | H   | PASS    |

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 7205.63         | -3.82         | 57.60             | 53.78             | 54.00             | 0.22           | H   | PASS    |
| 2   | 16756.88        | 9.44          | 36.01             | 45.45             | 54.00             | 8.55           | H   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

|         |              |           |
|---------|--------------|-----------|
| Mode    | Test channel | Ant. Pol. |
| 2.4Gbps | 2480MHz      | Vertical  |

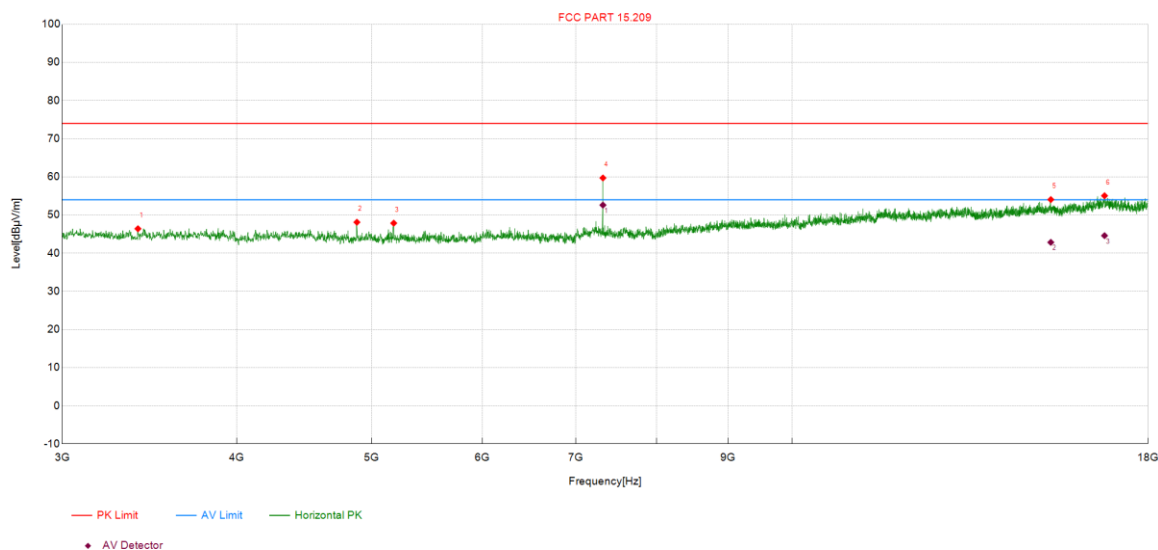


| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 4878.75         | 56.39          | 50.02          | -6.37         | 74.00          | 23.98       | PK  | V   | PASS    |
| 2   | 5178.75         | 54.83          | 49.06          | -5.77         | 74.00          | 24.94       | PK  | V   | PASS    |
| 3   | 7323.75         | 60.17          | 56.33          | -3.84         | 74.00          | 17.67       | PK  | V   | PASS    |
| 4   | 12204.38        | 48.83          | 52.15          | 3.32          | 74.00          | 21.85       | PK  | V   | PASS    |
| 5   | 14645.63        | 50.06          | 56.22          | 6.16          | 74.00          | 17.78       | PK  | V   | PASS    |
| 6   | 16740.00        | 46.21          | 55.59          | 9.38          | 74.00          | 18.41       | PK  | V   | PASS    |

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 7323.75         | -3.84         | 56.23             | 52.39             | 54.00             | 1.61           | V   | PASS    |
| 2   | 14645.63        | 6.16          | 42.97             | 49.13             | 54.00             | 4.87           | V   | PASS    |
| 3   | 16740.00        | 9.38          | 36.07             | 45.45             | 54.00             | 8.55           | V   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

| Mode    | Test channel | Ant. Pol.  |
|---------|--------------|------------|
| 2.4Gbps | 2480MHz      | Horizontal |

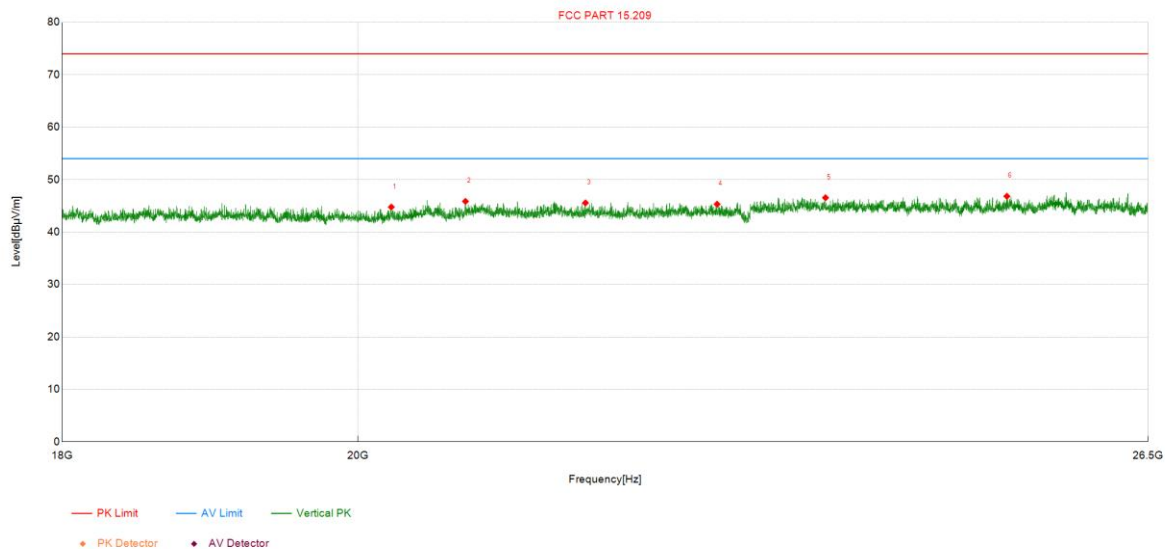


| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 3399.38         | 54.70          | 46.41          | -8.29         | 74.00          | 27.59       | PK  | H   | PASS    |
| 2   | 4878.75         | 54.49          | 48.12          | -6.37         | 74.00          | 25.88       | PK  | H   | PASS    |
| 3   | 5184.38         | 53.58          | 47.87          | -5.71         | 74.00          | 26.13       | PK  | H   | PASS    |
| 4   | 7321.88         | 63.56          | 59.72          | -3.84         | 74.00          | 14.28       | PK  | H   | PASS    |
| 5   | 15331.88        | 47.14          | 54.05          | 6.91          | 74.00          | 19.95       | PK  | H   | PASS    |
| 6   | 16753.13        | 45.61          | 55.05          | 9.44          | 74.00          | 18.95       | PK  | H   | PASS    |

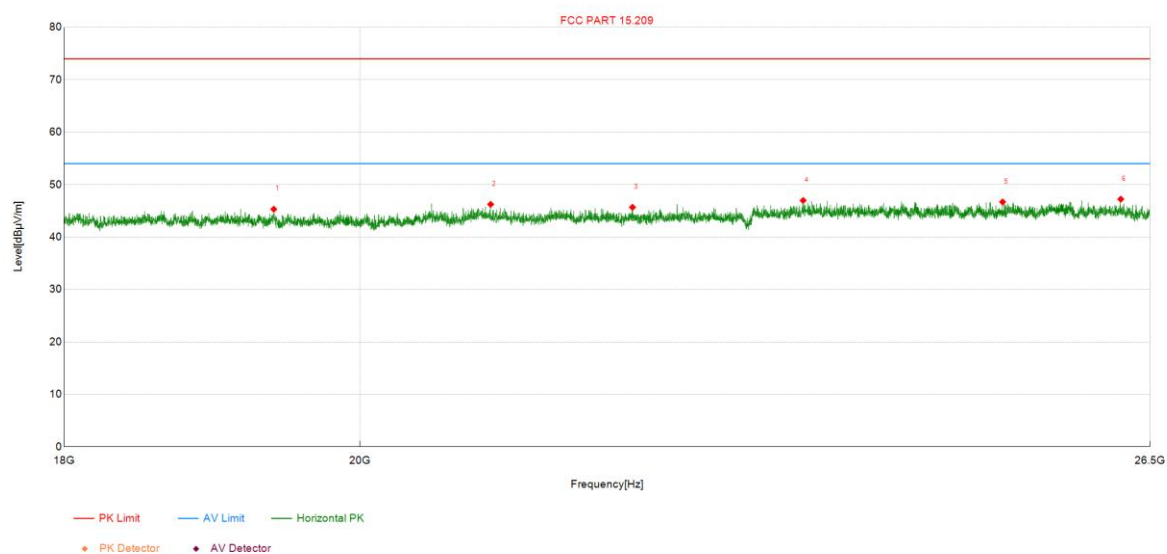
| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 7321.88         | -3.84         | 56.45             | 52.61             | 54.00             | 1.39           | H   | PASS    |
| 2   | 15331.88        | 6.91          | 35.93             | 42.84             | 54.00             | 11.16          | H   | PASS    |
| 3   | 16753.13        | 9.44          | 35.15             | 44.59             | 54.00             | 9.41           | H   | PASS    |

Note: If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

## Radiated Emission test (18GHz-26.5GHz)



| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 20238.69        | 59.62          | 44.77          | -14.85        | 74.00          | 29.23       | PK  | V   | PASS    |
| 2   | 20780.56        | 60.37          | 45.86          | -14.51        | 74.00          | 28.14       | PK  | V   | PASS    |
| 3   | 21687.94        | 59.99          | 45.56          | -14.43        | 74.00          | 28.44       | PK  | V   | PASS    |
| 4   | 22729.19        | 58.97          | 45.32          | -13.65        | 74.00          | 28.68       | PK  | V   | PASS    |
| 5   | 23623.81        | 59.80          | 46.55          | -13.25        | 74.00          | 27.45       | PK  | V   | PASS    |
| 6   | 25200.56        | 59.92          | 46.83          | -13.09        | 74.00          | 27.17       | PK  | V   | PASS    |



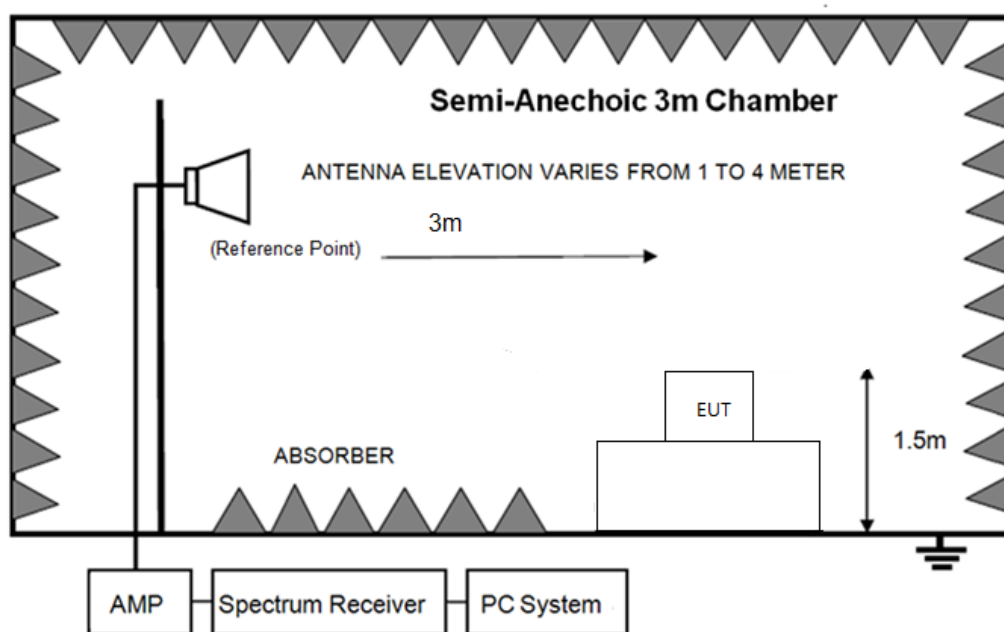
| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|-----|---------|
| 1   | 19395.06        | 60.23          | 45.32          | -14.91        | 74.00          | 28.68       | PK  | H   | PASS    |
| 2   | 20952.69        | 60.70          | 46.24          | -14.46        | 74.00          | 27.76       | PK  | H   | PASS    |
| 3   | 22038.56        | 59.77          | 45.69          | -14.08        | 74.00          | 28.31       | PK  | H   | PASS    |
| 4   | 23419.81        | 60.26          | 46.98          | -13.28        | 74.00          | 27.02       | PK  | H   | PASS    |
| 5   | 25144.25        | 59.83          | 46.70          | -13.13        | 74.00          | 27.30       | PK  | H   | PASS    |
| 6   | 26224.81        | 60.52          | 47.23          | -13.29        | 74.00          | 26.77       | PK  | H   | PASS    |

## 10. Emissions in Restricted Frequency Bands

### 10.1. General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 26, 2026        | Test engineer | Cheney Qu         |       |
| Climate condition | Ambient temperature  | 22.3°C        | Relative humidity | 78.7% |
|                   | Atmospheric pressure | 100.1 kPa     |                   |       |
| Test place        | 3m Chamber           |               |                   |       |

### 10.2. Block diagram of test setup



### 10.3. Limit

All restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400 MHz to 2483.5 MHz shall be at least 20dB below the fundamental emissions or comply with FCC 15.209 limits.

### 10.4. Test Procedure

Same with clause 8.3 except change investigated frequency range from 2310 MHz to 2410 MHz and 2475 MHz to 2500 MHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

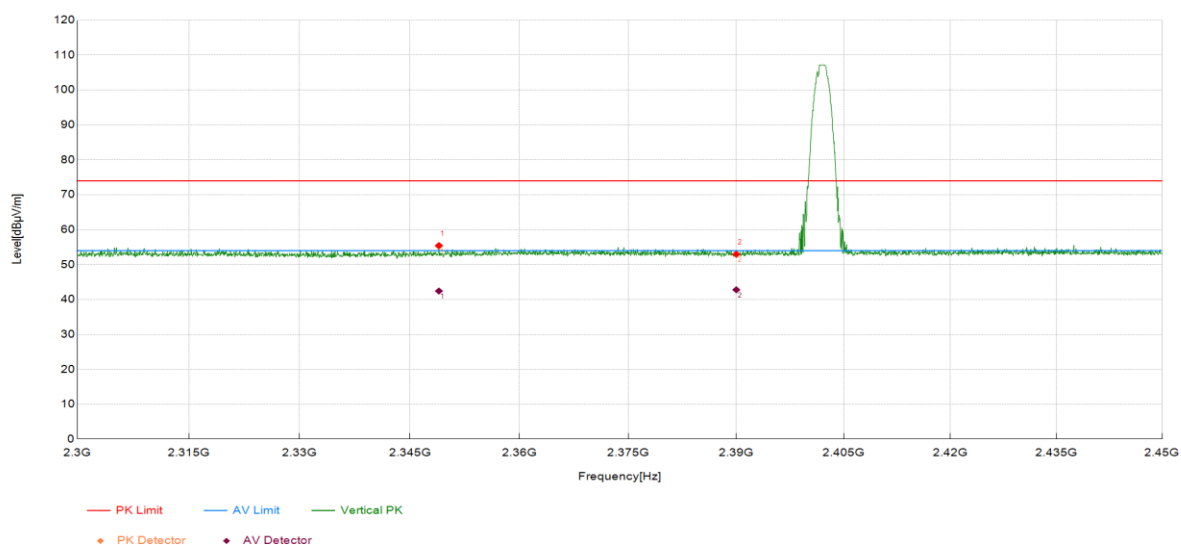
### 10.5. Test result

Pass. (See below detailed test result)

## Radiated Emission Test Result

|      |              |           |
|------|--------------|-----------|
| Mode | Test channel | Ant. Pol. |
| 2.4G | 2402MHz      | Vertical  |

Test Graph

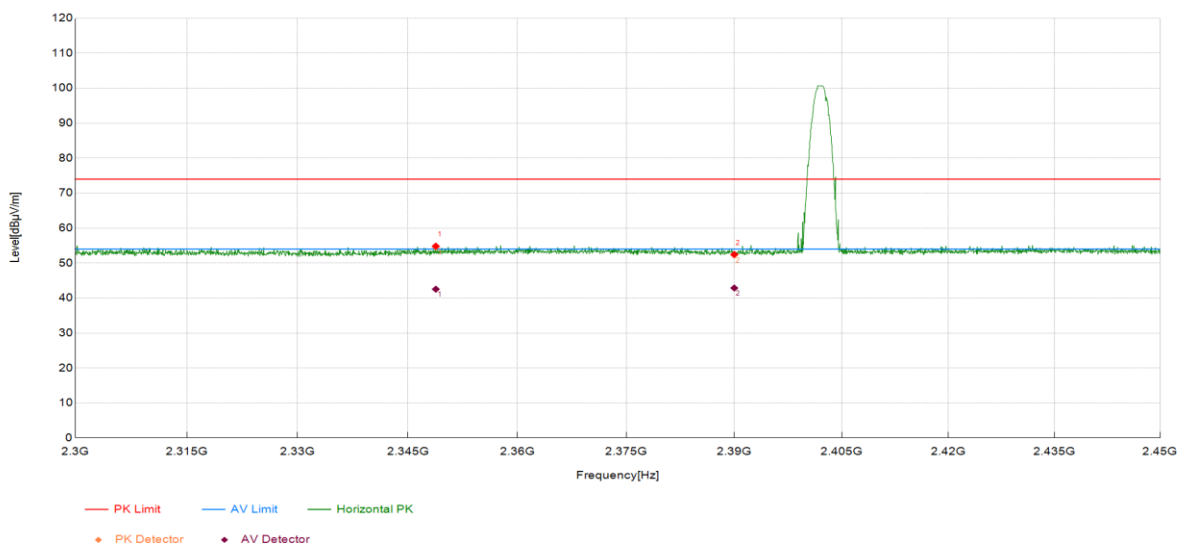


| NO. | Frequency [MHz] | Factor [dB/m] | PK Reading [dBμV] | PK Value [dBμV/m] | PK Limit [dBμV/m] | PK Margin [dB] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 2348.97         | -2.91         | 58.17             | 55.26             | 74.00             | 18.74          | 45.34             | 42.43             | 54.00             | 11.57          | V   | PASS    |
| 2   | 2390.00         | -2.50         | 55.46             | 52.96             | 74.00             | 21.04          | 45.29             | 42.79             | 54.00             | 11.21          | V   | PASS    |

## Radiated Emission Test Result

| Mode | Test channel | Ant. Pol.  |
|------|--------------|------------|
| 2.4G | 2402MHz      | Horizontal |

Test Graph

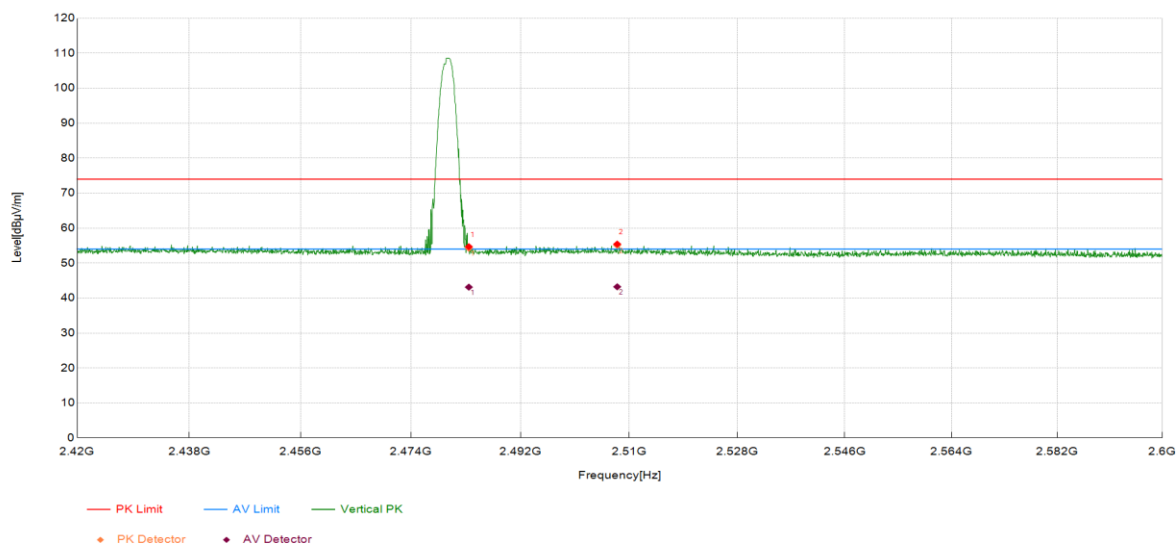


| NO. | Frequency [MHz] | Factor [dB/m] | PK Reading [dBμV] | PK Value [dBμV/m] | PK Limit [dBμV/m] | PK Margin [dB] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 2348.82         | -2.91         | 57.54             | 54.63             | 74.00             | 19.37          | 45.45             | 42.54             | 54.00             | 11.46          | H   | PASS    |
| 2   | 2390.00         | -2.50         | 54.83             | 52.33             | 74.00             | 21.67          | 45.37             | 42.87             | 54.00             | 11.13          | H   | PASS    |

## Radiated Emission Test Result

| Mode | Test channel | Ant. Pol. |
|------|--------------|-----------|
| 2.4G | 2480MHz      | Vertical  |

Test Graph

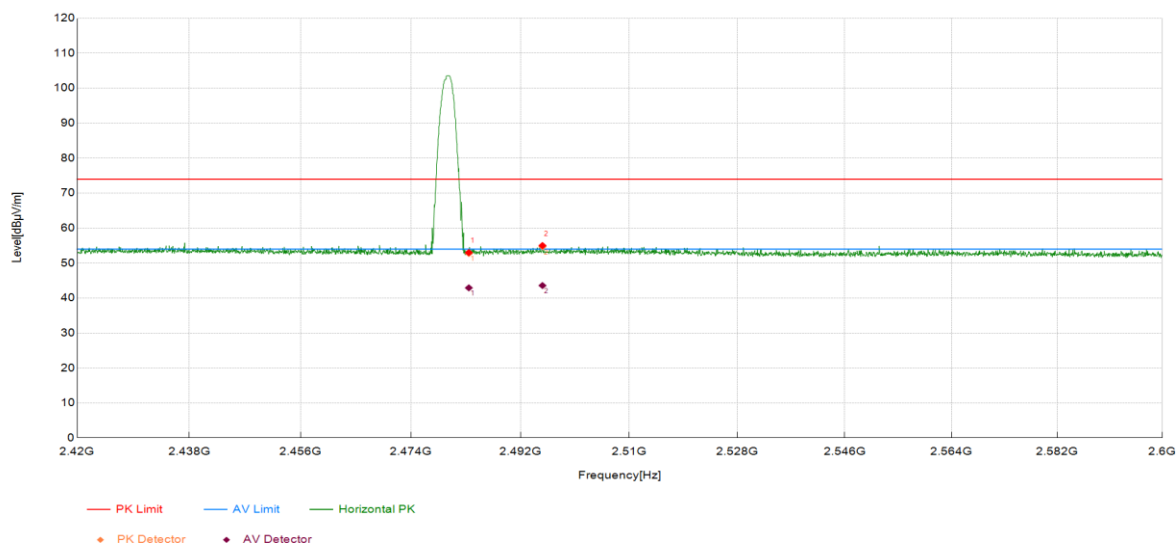


| NO. | Frequency [MHz] | Factor [dB/m] | PK Reading [dBμV] | PK Value [dBμV/m] | PK Limit [dBμV/m] | PK Margin [dB] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 2483.50         | -2.57         | 56.81             | 54.24             | 74.00             | 19.76          | 45.70             | 43.13             | 54.00             | 10.87          | V   | PASS    |
| 2   | 2507.99         | -2.64         | 57.72             | 55.08             | 74.00             | 18.92          | 45.86             | 43.22             | 54.00             | 10.78          | V   | PASS    |

## Radiated Emission Test Result

| Mode | Test channel | Ant. Pol.  |
|------|--------------|------------|
| 2.4G | 2480MHz      | Horizontal |

Test Graph



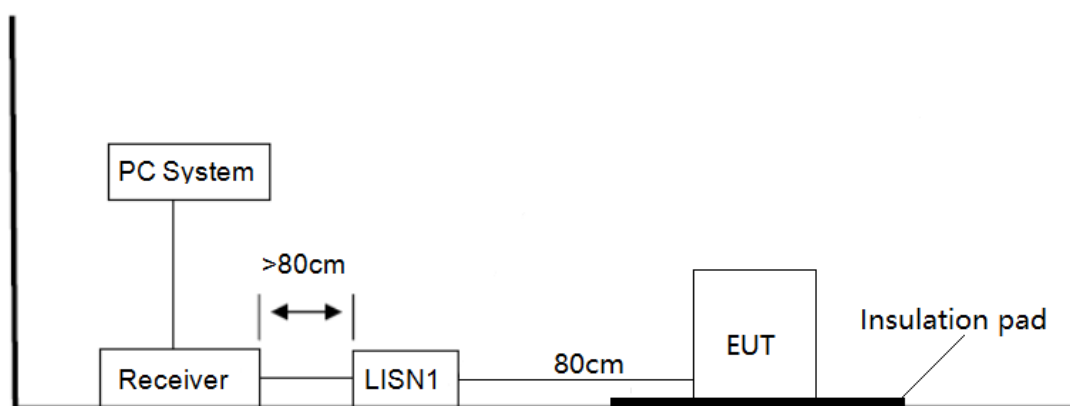
| NO. | Frequency [MHz] | Factor [dB/m] | PK Reading [dBμV] | PK Value [dBμV/m] | PK Limit [dBμV/m] | PK Margin [dB] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 2483.50         | -2.57         | 55.33             | 52.76             | 74.00             | 21.24          | 45.49             | 42.92             | 54.00             | 11.08          | H   | PASS    |
| 2   | 2495.63         | -2.57         | 57.27             | 54.70             | 74.00             | 19.30          | 46.15             | 43.58             | 54.00             | 10.42          | H   | PASS    |

## 11. Power Line Conducted Emission

### 11.1. General Information

|                   |                      |               |                   |
|-------------------|----------------------|---------------|-------------------|
| Test date         | N/A                  | Test engineer | N/A               |
| Climate condition | Ambient temperature  | N/A           | Relative humidity |
|                   | Atmospheric pressure | N/A           | N/A               |
| Test place        | EMC Room 1#          |               |                   |

### 11.2. Block diagram of test setup



### 11.3. Power line conducted emission limits

| Frequency         | Quasi-Peak Level<br>dB( $\mu$ V) | Average Level<br>dB( $\mu$ V) |
|-------------------|----------------------------------|-------------------------------|
| 150 kHz ~ 500 kHz | 66 ~ 56*                         | 56 ~ 46*                      |
| 500 kHz ~ 5 MHz   | 56                               | 46                            |
| 5 MHz ~ 30 MHz    | 60                               | 50                            |

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

### 11.4. Test procedure

The EUT and Support equipment, if needed, were put placed on a Insulation pad, 10 mm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes. During the above scans, the emissions were maximized by cable manipulation. The test mode(s) described in clause 2.4 were scanned during the preliminary test. After the preliminary scan, we found the test mode producing the highest emission level. The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test. EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test. A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. The test data of the worst-case condition(s) was recorded. The bandwidth of test receiver is set at 9 kHz.

#### **11.5. Test result**

**N/A**

## 12. Antenna Requirements

### 12.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 12.2. Result

The antennas used for this product are PCB antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only -1.5 dBi.

### **13. Test Setup Photograph**

Please find the Test Setup photos of EUT in APPENDIXES.

### **14. Photos of the EUT**

Please refer to the appendix file.

**END OF REPORT**