



## RF MEASUREMENT REPORT

**FCC ID:** 2BAXN-MR0010  
**Applicant:** Willand (Beijing) Technology Co., LTD.  
**Product:** Robotic Lawn Mower  
**Model No.:** Mi2710N  
**Serial Model No.:** Mi2706N  
**Brand Name:** Segway Navimow  
**FCC Classification:** Digital Transmission System (DTS)  
**FCC Rule Part(s):** Part 15 Subpart C (Section 15.247)  
**Result:** Complies  
**Received Date:** 2025-09-05  
**Test Date:** 2025-09-22 ~ 2025-10-22

**Reviewed By:**

*Vincent Yu*

Vincent Yu

**Approved By:**

*Robin Wu*

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.



### Revision History

| Report No.       | Version | Description    | Issue Date | Note  |
|------------------|---------|----------------|------------|-------|
| R25S1020096-U203 | V01     | Initial Report | 2025-11-20 | Valid |
|                  |         |                |            |       |

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## 1. General Information

### 1.1. Applicant

Willand (Beijing) Technology Co., LTD.

Room 203, A1 Bldg. Zhongguancun Dongsheng Technology Park (Northern Territory), No. 66, Xixiaokou Rd,  
Haidian Dist., Beijing, China.

## 1.2. Manufacturer

Willand (Beijing) Technology Co., LTD.

Room 203, A1 Bldg. Zhongguancun Dongsheng Technology Park (Northern Territory), No. 66, Xixiaokou Rd,  
Haidian Dist., Beijing, China.

### 1.3. Testing Facility

|                                     |                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | <b>Test Site - MRT Suzhou Laboratory</b>                                                                                                  |
|                                     | <b>Laboratory Location (Suzhou - Wuzhong)</b><br>D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China       |
|                                     | <b>Laboratory Location (Suzhou - SIP)</b><br>4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China |
|                                     | <b>Laboratory Location (Suzhou - Wujiang)</b><br>Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China     |
|                                     | <b>Laboratory Accreditations</b>                                                                                                          |
|                                     | A2LA: 3628.01<br>FCC: CN1166                                                                                                              |
|                                     | CNAS: L10551<br>ISED: CN0001                                                                                                              |
| <input type="checkbox"/>            | <b>Test Site - MRT Shenzhen Laboratory</b>                                                                                                |
|                                     | <b>Laboratory Location (Shenzhen)</b><br>1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China  |
|                                     | <b>Laboratory Accreditations</b>                                                                                                          |
|                                     | A2LA: 3628.02<br>FCC: CN1284                                                                                                              |
|                                     | CNAS: L10551<br>ISED: CN0105                                                                                                              |
| <input type="checkbox"/>            | <b>Test Site - MRT Taiwan Laboratory</b>                                                                                                  |
|                                     | <b>Laboratory Location (Taiwan)</b><br>No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)                           |
|                                     | <b>Laboratory Accreditations</b>                                                                                                          |
|                                     | TAF: 3261<br>FCC: 291082, TW3261                                                                                                          |
|                                     | ISED: TW3261                                                                                                                              |

#### 1.4. Product Information

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Product Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Robotic Lawn Mower                                                                     |
| Model No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Mi2710N                                                                                |
| Serial Model No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mi2706N                                                                                |
| Brand Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Segway Navimow                                                                         |
| EUT Identification No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20250906Sample#02 (Conducted)<br>20250905Sample#01 (Radiated)                          |
| Wi-Fi Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 802.11b/g/n                                                                            |
| Bluetooth Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bluetooth_LE only                                                                      |
| SRD Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 915.05 ~ 917.9 MHz                                                                     |
| GNSS Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BDS, Galileo, GPS                                                                      |
| 3GPP Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LTE Band 2/4/5/12/13/66                                                                |
| Antenna Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Refer to section 1.5                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0 ~ 40 °C                                                                              |
| Power Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | By Battery                                                                             |
| Integrated Modular Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                        |
| Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Modular Name: LTE Cat 1 bis Module<br>Model Number: EG800Q-NA<br>Manufacturer: Quectel |
| Remarks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |
| <ol style="list-style-type: none"> <li>The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.</li> <li>The differences between the models lie in the different battery capacities and slight variations in the wheel hub covers, while everything else is completely identical. In this report, the model (Model No.: Mi2710N) was selected for testing.</li> </ol> |                                                                                        |

#### 1.5. Radio Specification under Test

|                    |                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------|
| Frequency Range    | 2400 ~ 2483.5 MHz                                                                          |
| Channel Number     | 802.11b/g/n-HT20: 11<br>802.11n-HT40: 7                                                    |
| Type of Modulation | 802.11b: DSSS<br>802.11g/n: OFDM                                                           |
| Data Rate          | 802.11b: 1/2/5.5/11 Mbps<br>802.11g: 6/9/12/18/24/36/48/54 Mbps<br>802.11n: up to 150 Mbps |
| Antenna Type       | PCB Antenna                                                                                |
| Antenna Gain       | 3.55 dBi                                                                                   |

## 1.6. Working Frequencies

802.11b/g/n-HT20

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 01      | 2412 MHz  | 02      | 2417 MHz  | 03      | 2422 MHz  |
| 04      | 2427 MHz  | 05      | 2432 MHz  | 06      | 2437 MHz  |
| 07      | 2442 MHz  | 08      | 2447 MHz  | 09      | 2452 MHz  |
| 10      | 2457 MHz  | 11      | 2462 MHz  | --      | --        |

802.11n-HT40

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 03      | 2422 MHz  | 04      | 2427 MHz  | 05      | 2432 MHz  |
| 06      | 2437 MHz  | 07      | 2442 MHz  | 08      | 2447 MHz  |
| 09      | 2452 MHz  | --      | --        | --      | --        |

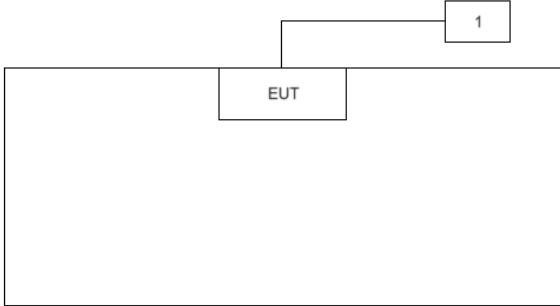
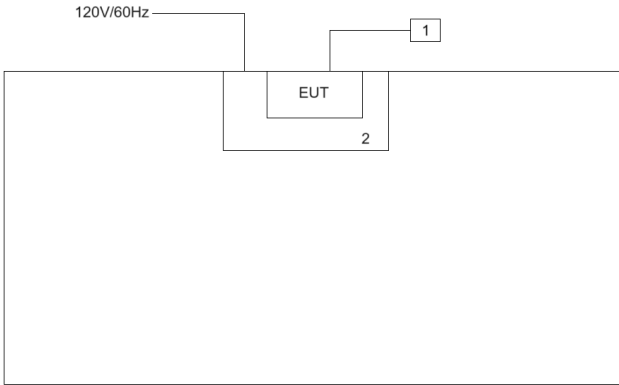
## 2. Test Configuration

### 2.1. Test Mode

|                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mode 1: Transmit by 802.11b (1 Mbps).                                                                                                                            |
| Mode 2: Transmit by 802.11g (6 Mbps).                                                                                                                            |
| Mode 3: Transmit by 802.11n-HT20 (MCS0).                                                                                                                         |
| Mode 4: Transmit by 802.11n-HT40 (MCS0).                                                                                                                         |
| Note: All modes of operation and data rates were investigated, so all RF test requirements shall be executed at the worst data rate which power is the greatest. |

### 2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated emissions testing and AC conducted emissions testing.

| Connection Diagram - Radiated Emissions testing                                      |              |           |  |
|--------------------------------------------------------------------------------------|--------------|-----------|--|
|   |              |           |  |
| Connection Diagram - AC Line Conducted testing                                       |              |           |  |
|  |              |           |  |
| Product                                                                              | Manufacturer | Model No. |  |
| 1 Notebook                                                                           | Lenovo       | E430C     |  |
| 2 Navimow Charging Station                                                           | Navimow B.V. | i1C00G    |  |

### 2.3. Test Software

The test utility software used during testing was “adb”, and the commands were provided by manufacturer.

Final power setting please refer to operational description.

### 2.4. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.247
- KDB 558074 D01 v05r02
- ANSI C63.10-2020
- ANSI C63.10-2020/Cor1-2023
- ANSI C63.10a-2024

### 2.5. Test Environment Condition

|                     |            |
|---------------------|------------|
| Ambient Temperature | 15 ~ 35 °C |
| Relative Humidity   | 20 ~ 75%RH |

### 3. Antenna Requirements

#### Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

#### **Conclusion:**

The unit complies with the requirement of §15.203.

#### 4. Measuring Instrument

| Instrument                | Manufacturer | Model No.      | Asset No.   | Cali. Interval | Cali. Due Date | Test Site |
|---------------------------|--------------|----------------|-------------|----------------|----------------|-----------|
| EMI Test Receiver         | R&S          | ESR3           | MRTSUE07110 | 1 year         | 2026-04-19     | WJ-AC1    |
| EXA Signal Analyzer       | Keysight     | N9010B         | MRTSUE07147 | 1 year         | 2025-11-06     | WJ-AC1    |
| Active Loop Antenna       | Schwarzbeck  | FMZB 1519-60 D | MRTSUE07076 | 1 year         | 2025-11-19     | WJ-AC1    |
| TRILOG Broad Band Antenna | Schwarzbeck  | VULB 9163      | MRTSUE07099 | 1 year         | 2026-04-22     | WJ-AC1    |
| Horn Antenna              | ETS          | 3117           | MRTSUE06257 | 1 year         | 2026-08-13     | WJ-AC1    |
| Preamplifier              | EMCI         | EMC001330      | MRTSUE06643 | 1 year         | 2026-05-13     | WJ-AC1    |
| Thermohygrometer          | testo        | 608-H1         | MRTSUE11333 | 1 year         | 2026-06-16     | WJ-AC1    |
| Thermohygrometer          | testo        | 608-H1         | MRTSUE11402 | 1 year         | 2025-12-01     | WJ-AC1    |
| Anechoic Chamber          | TDK          | WJ-AC1         | MRTSUE07115 | 1 year         | 2026-07-09     | WJ-AC1    |
| Signal Analyzer           | Keysight     | N9010B         | MRTSUE07285 | 1 year         | 2026-02-18     | WJ-AC2    |
| Broadband Horn Antenna    | Schwarzbeck  | BBHA 9170      | MRTSUE07100 | 1 year         | 2026-04-10     | WJ-AC2    |
| Preamplifier              | EMCI         | EMC184045SE    | MRTSUE07103 | 1 year         | 2026-04-09     | WJ-AC2    |
| Thermohygrometer          | testo        | 608-H1         | MRTSUE11315 | 1 year         | 2026-06-16     | WJ-AC2    |
| Thermohygrometer          | testo        | 608-H1         | MRTSUE11332 | 1 year         | 2026-06-05     | WJ-AC2    |
| Anechoic Chamber          | TDK          | WJ-AC2         | MRTSUE07117 | 1 year         | 2026-05-12     | WJ-AC2    |
| USB Power Sensor          | Keysight     | U2021XA        | MRTSUE07141 | 1 year         | 2026-03-15     | WJ-SR3    |
| Signal Analyzer           | Keysight     | N9020B         | MRTSUE07037 | 1 year         | 2026-08-31     | WJ-SR3    |
| Fixed Attenuator          | MVE          | MVE2213        | MRTSUE07318 | Note           | Note           | WJ-SR3    |
| RF Cable                  | UCwave       | UCE500         | MRTSUE07349 | Note           | Note           | WJ-SR3    |
| Thermohygrometer          | testo        | 608-H1         | MRTSUE11331 | 1 year         | 2026-06-05     | WJ-SR3    |
| Shielding Room            | TDK          | WJ-SR3         | MRTSUE07125 | N/A            | N/A            | WJ-SR3    |
| EMI Test Receiver         | R&S          | ESR3           | MRTSUE07112 | 1 year         | 2026-04-19     | WJ-SR5    |
| Two-Line V-Network        | R&S          | ENV216         | MRTSUE07201 | 1 year         | 2026-05-26     | WJ-SR5    |
| Shielding Room            | TDK          | WJ-SR5         | MRTSUE07127 | N/A            | N/A            | WJ-SR5    |
| Thermohygrometer          | testo        | 608-H1         | MRTSUE11317 | 1 year         | 2026-06-05     | WJ-SR5    |

Note: The loss of the Attenuator & Cable will be measured before testing.

| Software            | Version   | Function               |
|---------------------|-----------|------------------------|
| e3                  | 230711    | RE & CE                |
| CONTROLLER CO3000   | v 1.03.02 | RE Antenna & Turntable |
| Agilent Power Panel | V 3.9     | Power                  |

## 5. Decision Rules and Measurement Uncertainty

### 5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

### 5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .

| AC Conducted Emission Measurement                                               |                           |
|---------------------------------------------------------------------------------|---------------------------|
| The maximum measurement uncertainty is evaluated as:                            |                           |
| 9 kHz ~ 150 kHz:                                                                | 3.58 dB                   |
| 150 kHz ~ 30 MHz:                                                               | 3.20 dB                   |
| Radiated Emission Measurement                                                   |                           |
| The maximum measurement uncertainty is evaluated as:                            |                           |
| Coaxial:                                                                        | 9 kHz ~ 30 MHz: 2.35 dB   |
| Coplanar:                                                                       | 9 kHz ~ 30 MHz: 2.37 dB   |
| Horizontal:                                                                     | 30 MHz ~ 200 MHz: 3.47 dB |
|                                                                                 | 200 MHz ~ 1 GHz: 4.17 dB  |
|                                                                                 | 1 GHz ~ 40 GHz: 4.97 dB   |
| Vertical:                                                                       | 30 MHz ~ 200 MHz: 4.07 dB |
|                                                                                 | 200 MHz ~ 1 GHz: 5.28 dB  |
|                                                                                 | 1 GHz ~ 40 GHz: 4.84 dB   |
| Spurious Emissions, Conducted                                                   |                           |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2 U_c(y)$ ): 2.5 dB |                           |
| Output Power                                                                    |                           |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2 U_c(y)$ ): 1.5 dB |                           |
| Power Spectrum Density                                                          |                           |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2 U_c(y)$ ): 2.5 dB |                           |
| Occupied Bandwidth                                                              |                           |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2 U_c(y)$ ): 3.2%   |                           |

## 6. Test Result

### 6.1. Summary

| FCC Section(s)   | Test Description                                                    | Test Condition | Verdict |
|------------------|---------------------------------------------------------------------|----------------|---------|
| 15.247(a)(2)     | 6 dB Bandwidth                                                      | Conducted      | Pass    |
| 15.247(b)(3)     | Output Power                                                        |                | Pass    |
| 15.247(e)        | Power Spectral Density                                              |                | Pass    |
| 15.247(d)        | Band Edge / Out-of-Band Emissions                                   |                | Pass    |
| 15.205<br>15.209 | General Field Strength<br>(Restricted Bands and Radiated Emissions) | Radiated       | Pass    |
| 15.207           | AC Conducted Emissions<br>150 kHz - 30 MHz                          | Line Conducted | Pass    |

**Note:** The analyzer plots shown in this section were captured using a correction table to account for cable and attenuator losses in the system connecting the EUT to the analyzer across relevant frequencies.

## 6.2. 6 dB Bandwidth Measurement

### 6.2.1. Test Limit

The minimum 6 dB bandwidth shall be at least 500 kHz.

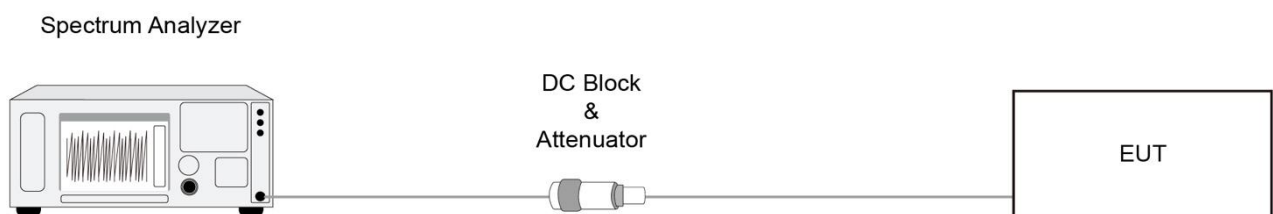
### 6.2.2. Test Procedure

ANSI C63.10-2020 - Section 11.8

### 6.2.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 6 dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 6$ . The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1% to 5% of the OBW, but not less than 100 kHz
3. VBW  $\geq 3 \times$  RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

### 6.2.4. Test Setup



### 6.2.5. Test Result

Refer to Appendix A.2.

### 6.3. Output Power Measurement

#### 6.3.1. Test Limit

The maximum output power shall be less 1 Watt (30 dBm).

The conducted output power limit specified in paragraph FCC Part 15.247(b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs FCC Part 15.247(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### 6.3.2. Test Procedure

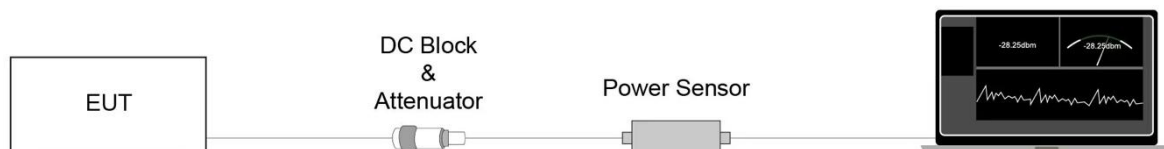
ANSI C63.10-2020 - Section 11.9.2.3.2

#### 6.3.3. Test Setting

##### Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

#### 6.3.4. Test Setup



#### 6.3.5. Test Result

Refer to Appendix A.3.

## 6.4. Power Spectral Density Measurement

### 6.4.1. Test Limit

The maximum permissible power spectral density is 8 dBm in any 3 kHz band.

The same method of determining the conducted output power shall be used to determine the power spectral density.

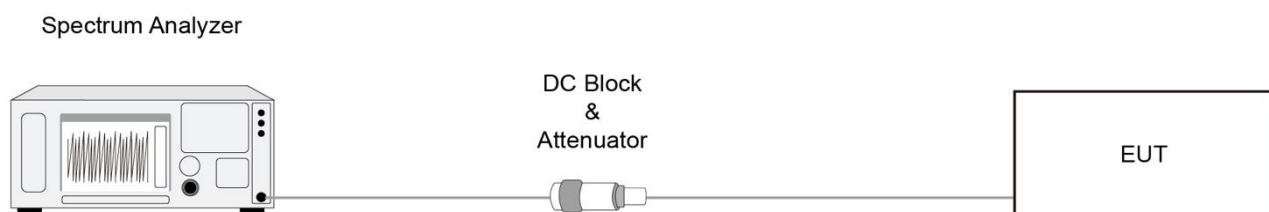
### 6.4.2. Test Procedure

ANSI C63.10-2020 - Section 11.10.5

### 6.4.3. Test Setting

1. Measure the duty cycle ( $x$ ) of the transmitter output signal
2. Set instrument center frequency to DTS channel center frequency
3. Span > 1.5 times the OBW
4. RBW = 10 kHz
5. VBW  $\geq 3 \times$  RBW
6. Detector = RMS
7. Ensure that the number of measurement points in the sweep  $\geq 2 \times$  Span/RBW
8. Sweep time = Auto couple
9. Don't use sweep triggering; Allow sweep to "free run".
10. Employ trace averaging (RMS) mode over a minimum of 100 traces
11. Use the peak marker function to determine the maximum amplitude level
12. If duty cycle < 98%, add  $10\log(1/x)$ , where  $x$  is the duty cycle measured in step 1, to the measured PSD to compute the average PSD during the actual transmission time. If duty cycle  $\geq 98\%$ , no need to add  $10\log(1/x)$ .
13. If measured value exceeds requirement specified by regulatory agency, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

### 6.4.4. Test Setup



#### **6.4.5. Test Result**

Refer to Appendix A.4.

## 6.5. Conducted Band Edge and Out-of-Band Emissions Measurement

### 6.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30 dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

### 6.5.2. Test Procedure

ANSI C63.10-2020 - Section 11.11

### 6.5.3. Test Setting

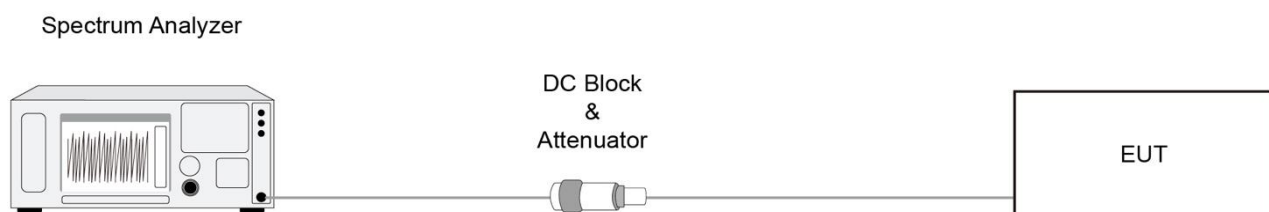
#### Reference level measurement

1. Set instrument center frequency to DTS channel center frequency
2. Span  $\geq 1.5$  times the DTS bandwidth
3. RBW = 100 kHz
4. VBW  $\geq 3 \times$  RBW
5. Detector = Peak
6. Sweep time = Auto couple
7. Trace mode = Max hold
8. Allow trace to fully stabilize

#### Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100 kHz
3. VBW  $\geq 3 \times$  RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep time = Auto couple
7. The trace was allowed to stabilize

### 6.5.4. Test Setup



#### **6.5.5. Test Result**

Refer to Appendix A.5.

## 6.6. Radiated Spurious Emissions Measurement

### 6.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 |                          |                               |
|----------------------------------------|--------------------------|-------------------------------|
| Frequency<br>[MHz]                     | Field Strength<br>[μV/m] | Measured Distance<br>[Meters] |
| 0.009 - 0.490                          | 2400/F (kHz)             | 300                           |
| 0.490 - 1.705                          | 24000/F (kHz)            | 30                            |
| 1.705 - 30                             | 30                       | 30                            |
| 30 - 88                                | 100                      | 3                             |
| 88 - 216                               | 150                      | 3                             |
| 216 - 960                              | 200                      | 3                             |
| Above 960                              | 500                      | 3                             |

### 6.6.2. Test Procedure

ANSI C63.10-2020 - Section 11.11 & 11.12

ANSI C63.10-2020 - Section 6.3 (General Requirements)

ANSI C63.10-2020 - Section 6.4 (Standard test method below 30 MHz)

ANSI C63.10-2020 - Section 6.5 (Standard test method above 30 MHz to 1 GHz)

ANSI C63.10-2020 - Section 6.6 (Standard test method above 1 GHz)

### 6.6.3. Test Setting

**Table 1 - RBW as a function of frequency**

| Frequency     | RBW           |
|---------------|---------------|
| 9 ~ 150 kHz   | 200 ~ 300 Hz  |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz    |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz    | 1 MHz         |

**Quasi-Peak Measurements below 1 GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1 MHz
3. RBW = as specified in Table 1
4.  $VBW \geq 3 \times RBW$
5. Detector = CISPR quasi-peak
6. Sweep time = Auto couple
7. Trace was allowed to stabilize

**Peak Measurements above 1 GHz**

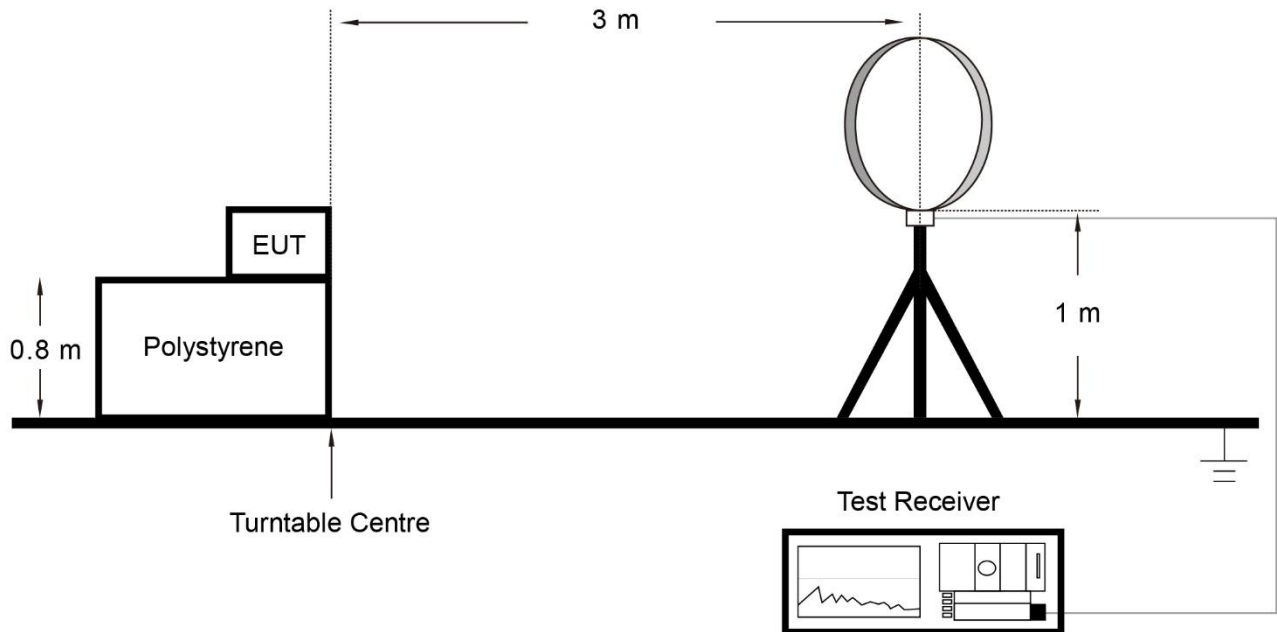
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3.  $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

**Average Measurements above 1 GHz (Method VB)**

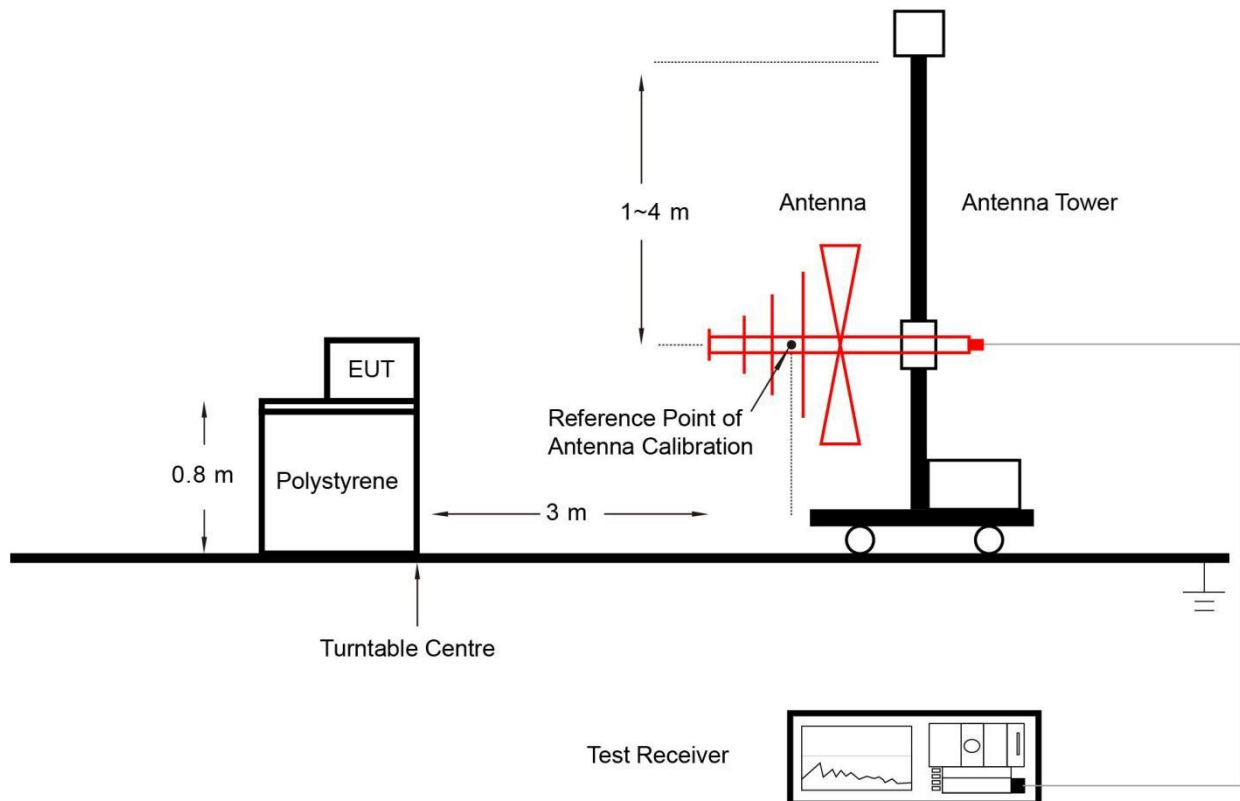
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; if the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW = 10 Hz  
If the EUT duty cycle is  $< 98\%$ , set  $VBW \geq 1/T$ . T is the minimum transmission duration.
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

#### 6.6.4. Test Setup

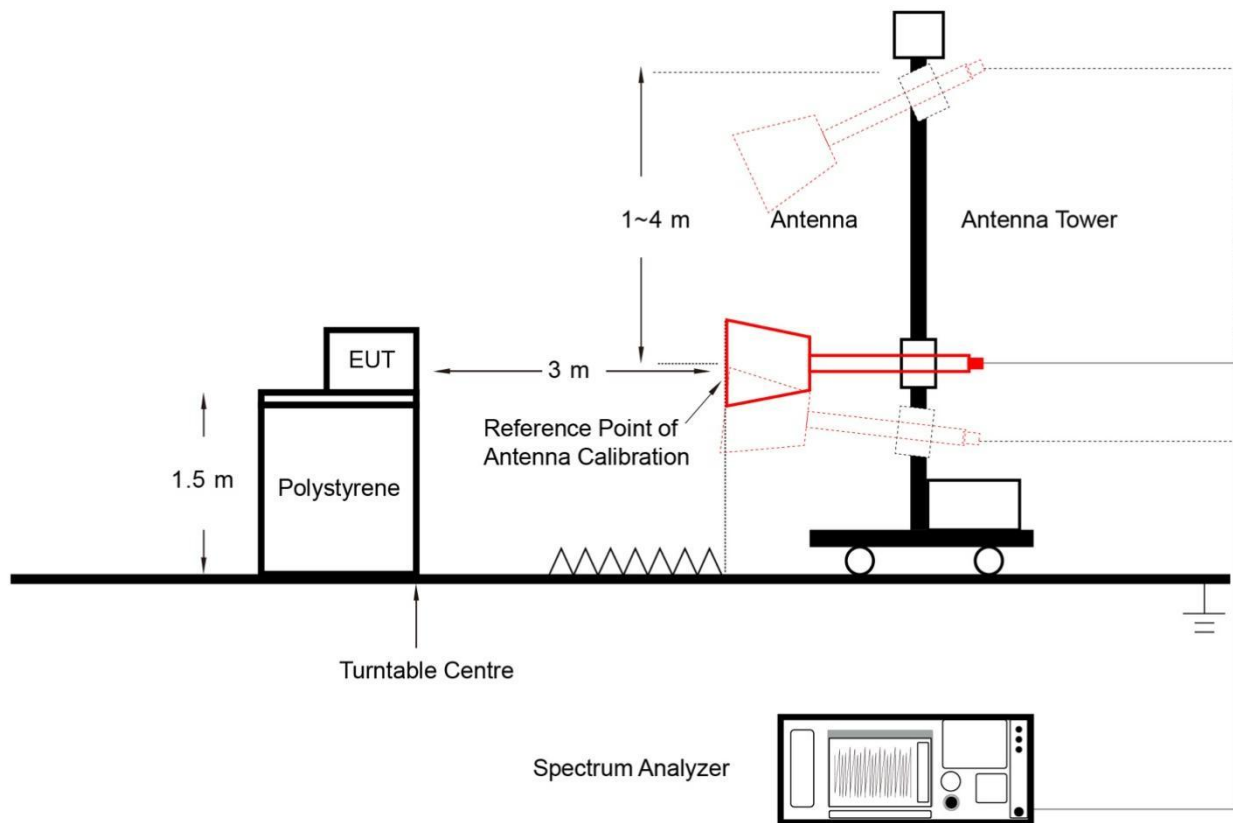
Below 30 MHz Test Setup:



Below 1 GHz Test Setup:



### Above 1 GHz Test Setup:



### 6.6.5. Test Result

Refer to Appendix A.6.

## 6.7. Radiated Restricted Band Edge Measurement

### 6.7.1. Test Limit

#### For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

| Frequency<br>(MHz)         | Frequency<br>(MHz)    | Frequency<br>(MHz) | Frequency<br>(GHz) |
|----------------------------|-----------------------|--------------------|--------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410        | 4.5 - 5.15         |
| <sup>1</sup> 0.495 - 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        |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5      | 9.0 - 9.2          |
| 4.20725 - 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              | --                    | --                 | --                 |

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 |                                |                               |
|----------------------------------------|--------------------------------|-------------------------------|
| Frequency<br>[MHz]                     | Field Strength<br>[ $\mu$ V/m] | Measured Distance<br>[Meters] |
| 0.009 - 0.490                          | 2400/F (kHz)                   | 300                           |
| 0.490 - 1.705                          | 24000/F (kHz)                  | 30                            |
| 1.705 - 30                             | 30                             | 30                            |
| 30 - 88                                | 100                            | 3                             |
| 88 - 216                               | 150                            | 3                             |
| 216 - 960                              | 200                            | 3                             |
| Above 960                              | 500                            | 3                             |

#### 6.7.2. Test Procedure

ANSI C63.10-2020 - Section 6.3 & 6.6 & 11.12

#### 6.7.3. Test Setting

##### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW  $\geq$  3 x RBW
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

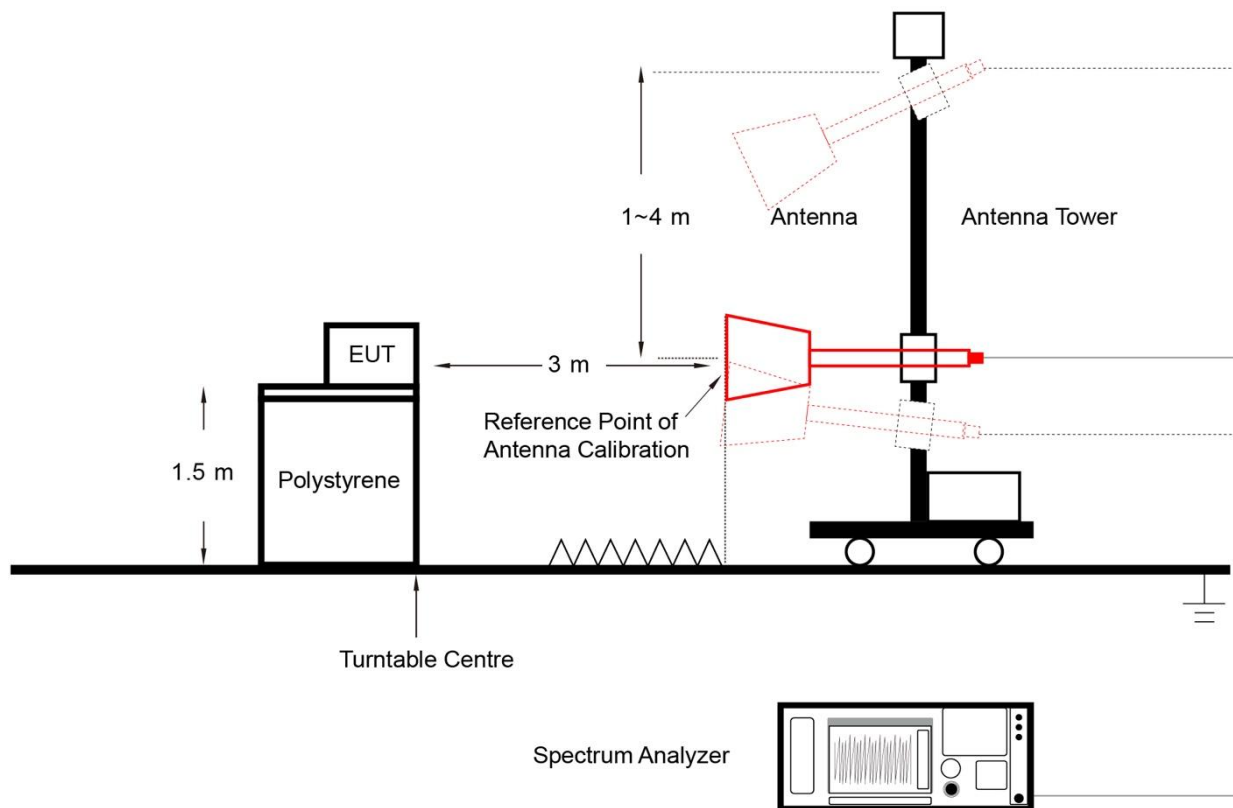
### Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW = 10 Hz.

If the EUT duty cycle is  $< 98\%$ , set VBW  $\geq 1/T$ . T is the minimum transmission duration.

4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

#### 6.7.4. Test Setup



#### 6.7.5. Test Result

Refer to Appendix A.7.

## 6.8. AC Conducted Emissions Measurement

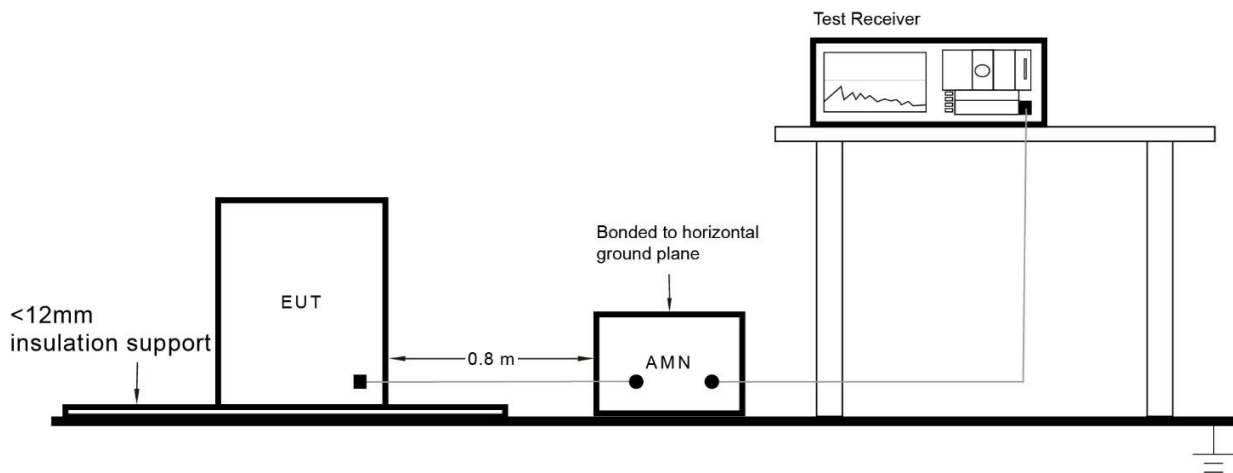
### 6.8.1. Test Limit

| FCC Part 15 Subpart C Paragraph 15.207 Limits |                 |                 |
|-----------------------------------------------|-----------------|-----------------|
| Frequency (MHz)                               | QP (dB $\mu$ V) | AV (dB $\mu$ V) |
| 0.15 - 0.50                                   | 66 - 56         | 56 - 46         |
| 0.50 - 5.0                                    | 56              | 46              |
| 5.0 - 30                                      | 60              | 50              |

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

### 6.8.2. Test Setup



### 6.8.3. Test Result

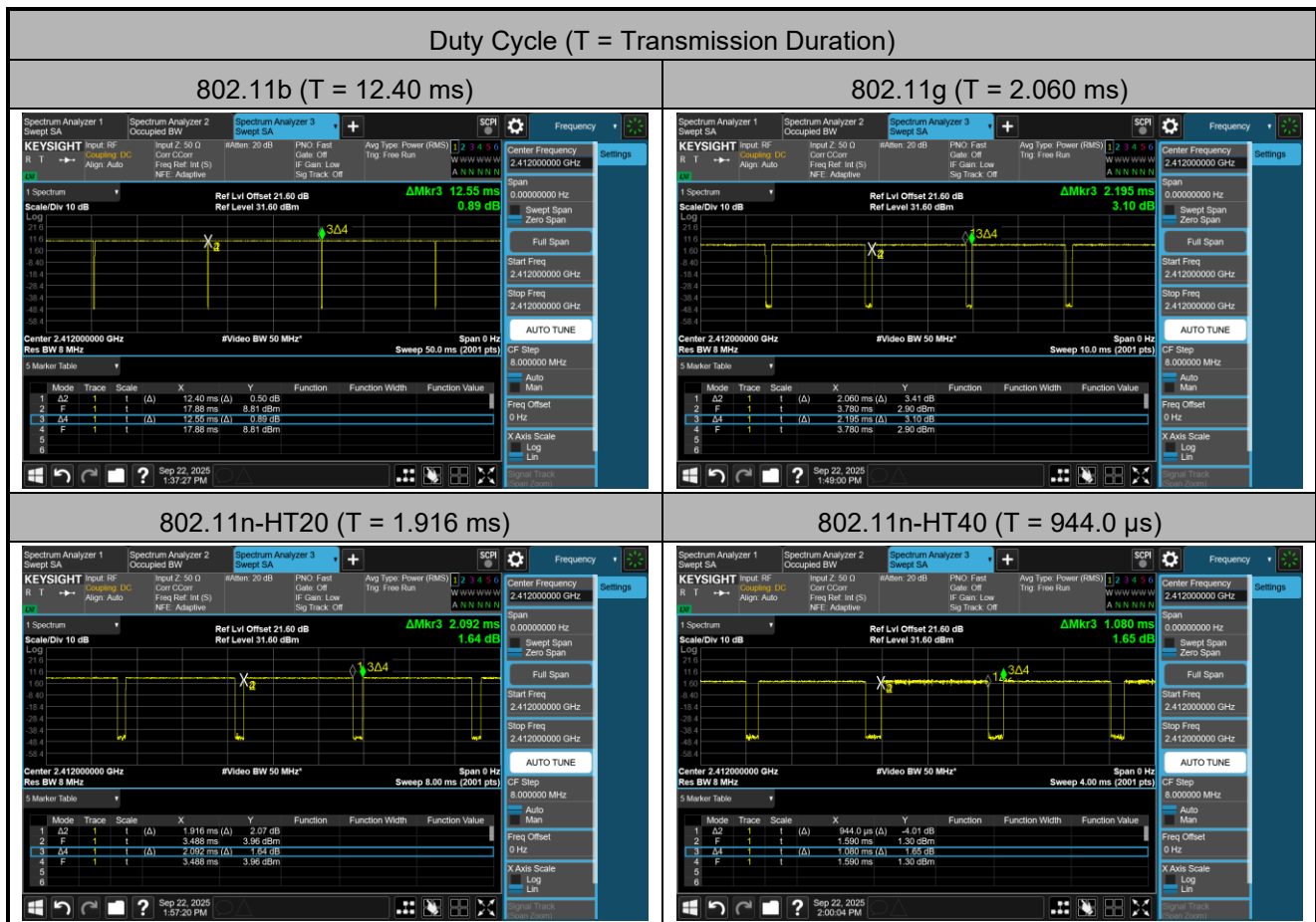
Refer to Appendix A.8.

## Appendix A - Test Result

### A.1 Duty Cycle Test Result

|           |            |               |            |
|-----------|------------|---------------|------------|
| Test Site | WJ-SR3     | Test Engineer | Ellie Wang |
| Test Date | 2025-09-22 |               |            |

| Test Mode    | Duty Cycle |
|--------------|------------|
| 802.11b      | 98.80%     |
| 802.11g      | 93.85%     |
| 802.11n-HT20 | 91.59%     |
| 802.11n-HT40 | 87.41%     |



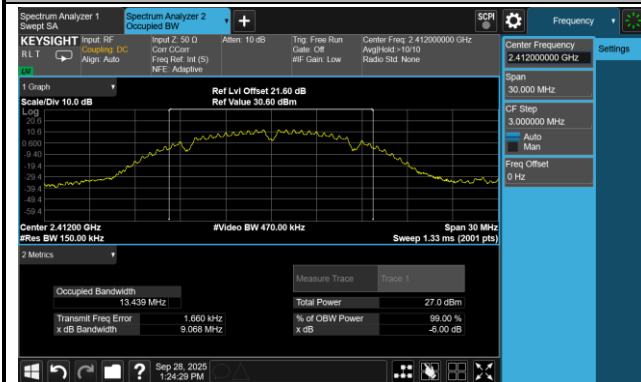
## A.2 6 dB Bandwidth Test Result

|           |            |               |            |
|-----------|------------|---------------|------------|
| Test Site | WJ-SR3     | Test Engineer | Ellie Wang |
| Test Date | 2025-09-28 |               |            |

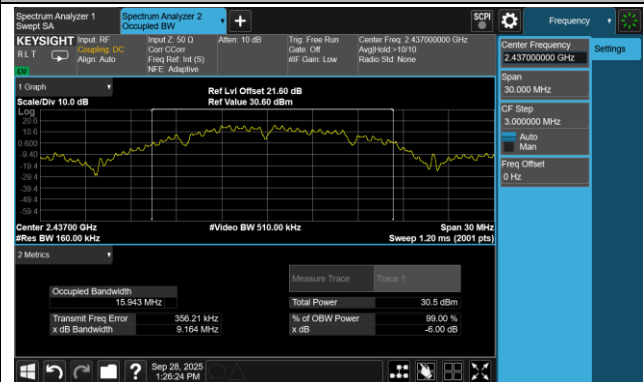
| Test Mode | Data Rate / MCS | Channel No. | Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) |
|-----------|-----------------|-------------|-----------------|----------------------|-------------|
| 11b       | 1 Mbps          | 01          | 2412            | 9.068                | $\geq 0.5$  |
| 11b       | 1 Mbps          | 06          | 2437            | 9.164                | $\geq 0.5$  |
| 11b       | 1 Mbps          | 11          | 2462            | 9.049                | $\geq 0.5$  |
| 11g       | 6 Mbps          | 01          | 2412            | 16.47                | $\geq 0.5$  |
| 11g       | 6 Mbps          | 06          | 2437            | 16.47                | $\geq 0.5$  |
| 11g       | 6 Mbps          | 11          | 2462            | 16.44                | $\geq 0.5$  |
| 11n-HT20  | MCS0            | 01          | 2412            | 17.57                | $\geq 0.5$  |
| 11n-HT20  | MCS0            | 06          | 2437            | 17.64                | $\geq 0.5$  |
| 11n-HT20  | MCS0            | 11          | 2462            | 17.64                | $\geq 0.5$  |
| 11n-HT40  | MCS0            | 03          | 2422            | 36.23                | $\geq 0.5$  |
| 11n-HT40  | MCS0            | 06          | 2437            | 36.40                | $\geq 0.5$  |
| 11n-HT40  | MCS0            | 09          | 2452            | 36.42                | $\geq 0.5$  |

## 802.11b 6 dB Bandwidth

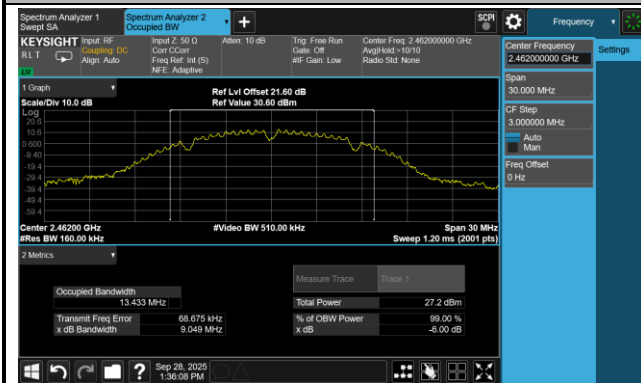
## Channel 01 (2412 MHz)



## Channel 06 (2437 MHz)

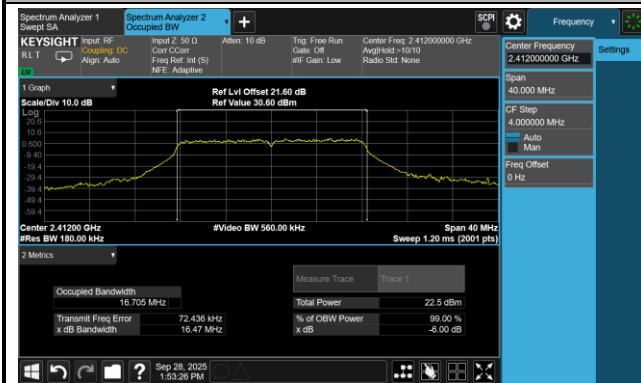


## Channel 11 (2462 MHz)

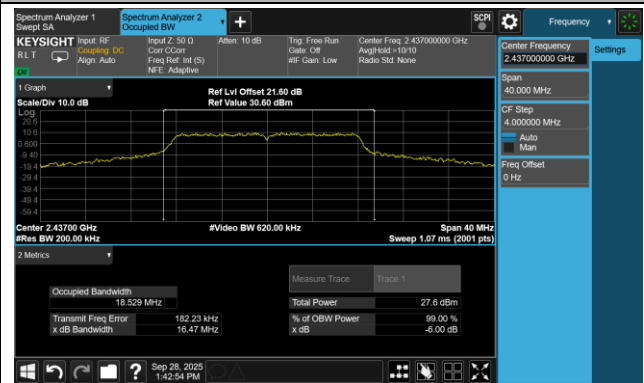


## 802.11g 6 dB Bandwidth

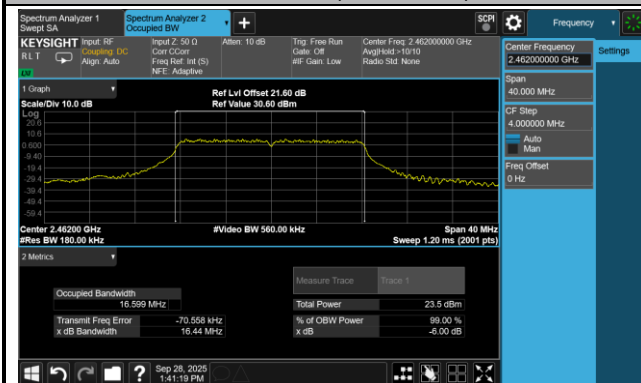
## Channel 01 (2412 MHz)



## Channel 06 (2437 MHz)

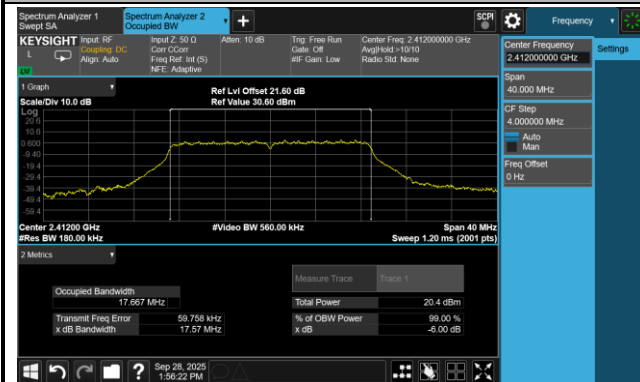


## Channel 11 (2462 MHz)

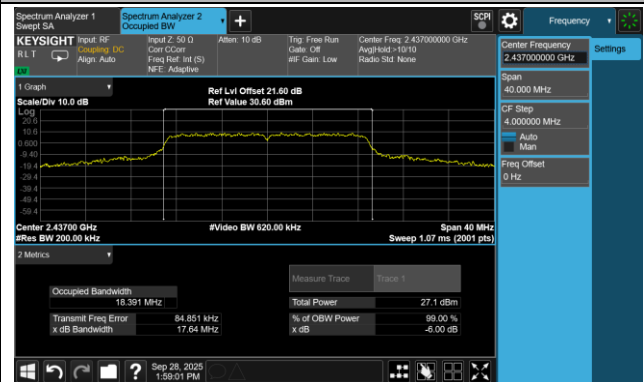


## 802.11n-HT20 6 dB Bandwidth

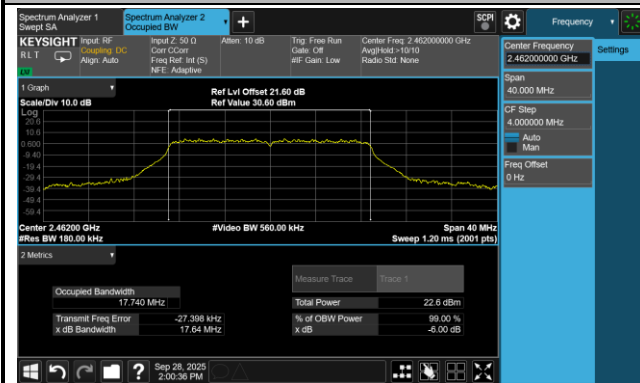
## Channel 01 (2412 MHz)



## Channel 06 (2437 MHz)

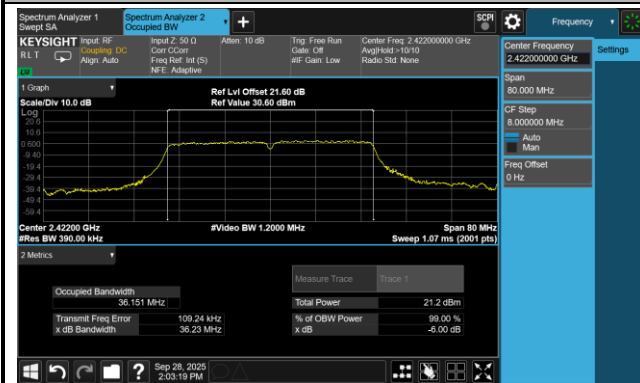


## Channel 11 (2462 MHz)

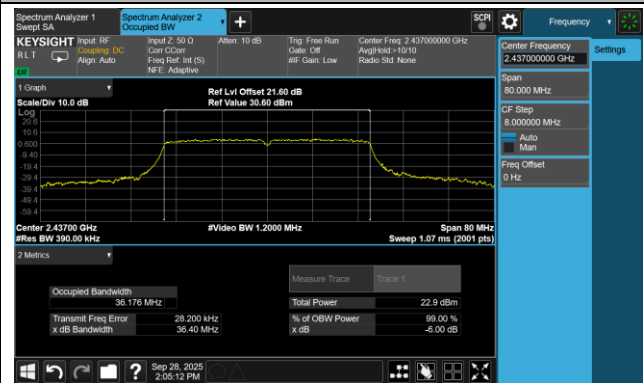


## 802.11n-HT40 6 dB Bandwidth

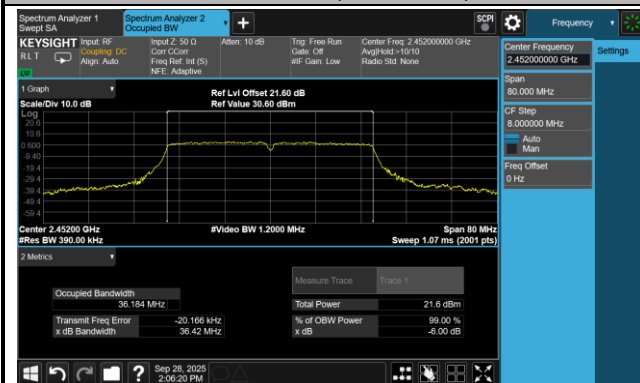
## Channel 03 (2422 MHz)



## Channel 06 (2437 MHz)



## Channel 09 (2452 MHz)



### A.3 Output Power Test Result

|           |                         |               |            |
|-----------|-------------------------|---------------|------------|
| Test Site | WJ-SR3                  | Test Engineer | Ellie Wang |
| Test Date | 2025-09-26 ~ 2025-10-10 |               |            |

| Test Mode | Data Rate / MCS | Channel No. | Freq.<br>(MHz) | Average Power<br>(dBm) | Limit<br>(dBm) |
|-----------|-----------------|-------------|----------------|------------------------|----------------|
| 11b       | 1 Mbps          | 01          | 2412           | 21.08                  | ≤ 30.00        |
| 11b       | 1 Mbps          | 02          | 2417           | 21.14                  | ≤ 30.00        |
| 11b       | 1 Mbps          | 03          | 2422           | 23.02                  | ≤ 30.00        |
| 11b       | 1 Mbps          | 06          | 2437           | 24.89                  | ≤ 30.00        |
| 11b       | 1 Mbps          | 10          | 3457           | 22.24                  | ≤ 30.00        |
| 11b       | 1 Mbps          | 11          | 2462           | 21.87                  | ≤ 30.00        |
| 11g       | 6 Mbps          | 01          | 2412           | 15.21                  | ≤ 30.00        |
| 11g       | 6 Mbps          | 02          | 2417           | 16.67                  | ≤ 30.00        |
| 11g       | 6 Mbps          | 03          | 2422           | 17.16                  | ≤ 30.00        |
| 11g       | 6 Mbps          | 04          | 2427           | 19.26                  | ≤ 30.00        |
| 11g       | 6 Mbps          | 06          | 2437           | 20.51                  | ≤ 30.00        |
| 11g       | 6 Mbps          | 10          | 2457           | 18.31                  | ≤ 30.00        |
| 11g       | 6 Mbps          | 11          | 2462           | 16.47                  | ≤ 30.00        |
| 11n-HT20  | MCS0            | 01          | 2412           | 13.54                  | ≤ 30.00        |
| 11n-HT20  | MCS0            | 02          | 2417           | 16.65                  | ≤ 30.00        |
| 11n-HT20  | MCS0            | 03          | 2422           | 17.62                  | ≤ 30.00        |
| 11n-HT20  | MCS0            | 06          | 2437           | 20.21                  | ≤ 30.00        |
| 11n-HT20  | MCS0            | 10          | 2457           | 18.34                  | ≤ 30.00        |
| 11n-HT20  | MCS0            | 11          | 2462           | 15.56                  | ≤ 30.00        |
| 11n-HT40  | MCS0            | 03          | 2422           | 14.08                  | ≤ 30.00        |
| 11n-HT40  | MCS0            | 06          | 2437           | 15.95                  | ≤ 30.00        |
| 11n-HT40  | MCS0            | 09          | 2452           | 14.62                  | ≤ 30.00        |

#### A.4 Power Spectral Density Test Result

|           |                         |               |            |
|-----------|-------------------------|---------------|------------|
| Test Site | WJ-SR3                  | Test Engineer | Ellie Wang |
| Test Date | 2025-09-24 ~ 2025-09-26 |               |            |

| Test Mode | Data Rate/<br>MCS | Channel<br>No. | Freq.<br>(MHz) | PSD<br>(dBm/10 kHz) | Duty<br>Cycle (%) | 10 × log<br>(1/x) | Total PSD<br>(dBm/10 kHz) | Limit<br>(dBm/3 kHz) |
|-----------|-------------------|----------------|----------------|---------------------|-------------------|-------------------|---------------------------|----------------------|
| 11b       | 1 Mbps            | 01             | 2412           | -5.684              | 98.80             | 0.05              | -5.684                    | ≤ 8.00               |
| 11b       | 1 Mbps            | 06             | 2437           | -2.408              | 98.80             | 0.05              | -2.408                    | ≤ 8.00               |
| 11b       | 1 Mbps            | 11             | 2462           | -4.523              | 98.80             | 0.05              | -4.523                    | ≤ 8.00               |
| 11g       | 6 Mbps            | 01             | 2412           | -12.203             | 93.85             | 0.28              | -11.927                   | ≤ 8.00               |
| 11g       | 6 Mbps            | 06             | 2437           | -7.147              | 93.85             | 0.28              | -6.871                    | ≤ 8.00               |
| 11g       | 6 Mbps            | 11             | 2462           | -11.406             | 93.85             | 0.28              | -11.130                   | ≤ 8.00               |
| 11n-HT20  | MCS0              | 01             | 2412           | -14.683             | 91.59             | 0.38              | -14.301                   | ≤ 8.00               |
| 11n-HT20  | MCS0              | 06             | 2437           | -8.038              | 91.59             | 0.38              | -7.656                    | ≤ 8.00               |
| 11n-HT20  | MCS0              | 11             | 2462           | -13.203             | 91.59             | 0.38              | -12.821                   | ≤ 8.00               |
| 11n-HT40  | MCS0              | 03             | 2422           | -16.101             | 87.41             | 0.58              | -15.517                   | ≤ 8.00               |
| 11n-HT40  | MCS0              | 06             | 2437           | -14.520             | 87.41             | 0.58              | -13.936                   | ≤ 8.00               |
| 11n-HT40  | MCS0              | 09             | 2452           | -16.352             | 87.41             | 0.58              | -15.768                   | ≤ 8.00               |

Note:

Duty Cycle ≥ 98%, Total PSD (dBm/10 kHz) =  $10 \times \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$  (dBm/10 kHz).

Duty Cycle < 98%, Total PSD (dBm/10 kHz) =  $10 \times \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$  (dBm/10 kHz) +  $10 \times \log (1/\text{Duty Cycle})$ .

## 802.11b - AVGPSPD

## Channel 01 (2412 MHz)



## Channel 06 (2437 MHz)

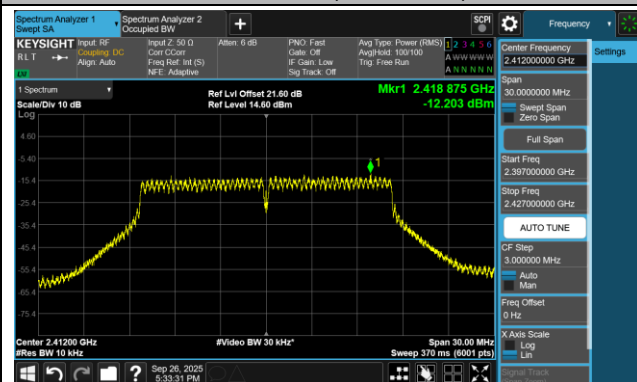


## Channel 11 (2462 MHz)

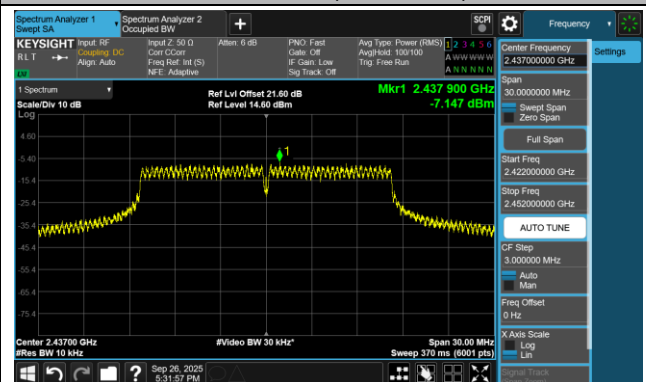


## 802.11g - AVGPSPD

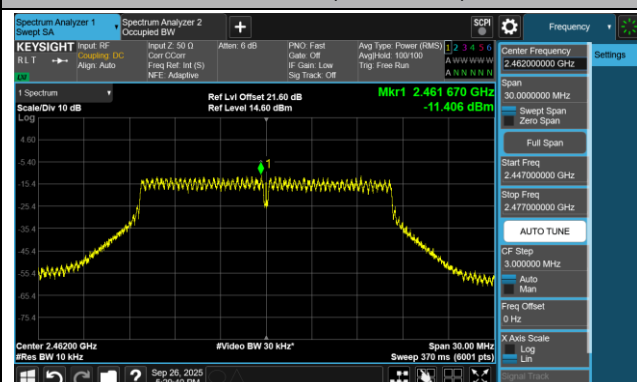
## Channel 01 (2412 MHz)



## Channel 06 (2437 MHz)

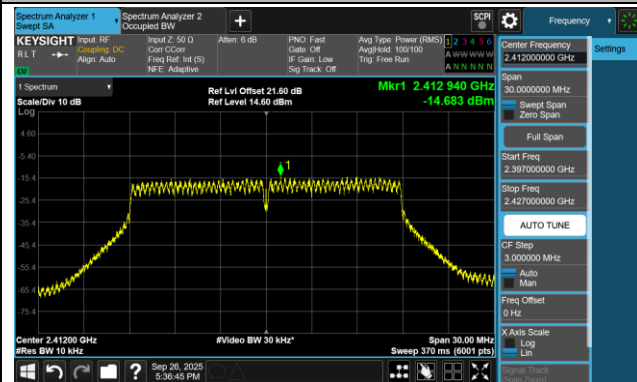


## Channel 11 (2462 MHz)

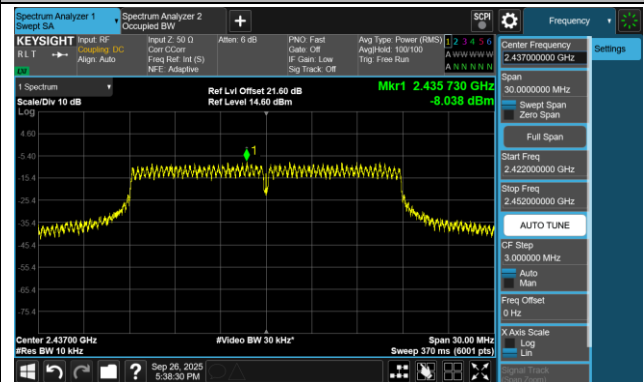


## 802.11n-HT20 - AVGPSD

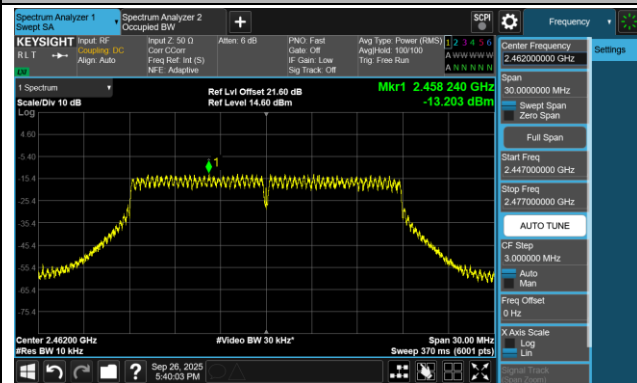
## Channel 01 (2412 MHz)



## Channel 06 (2437 MHz)

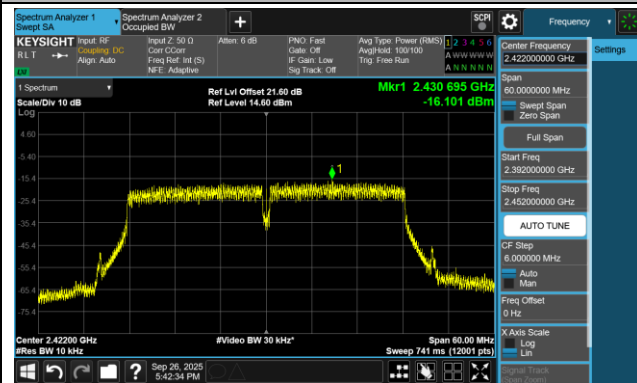


## Channel 11 (2462 MHz)

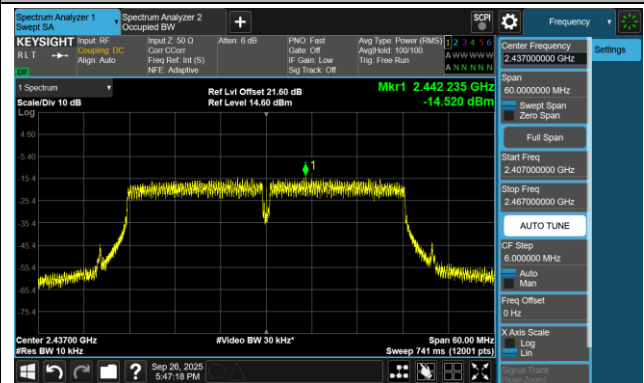


## 802.11n-HT40 - AVGPSD

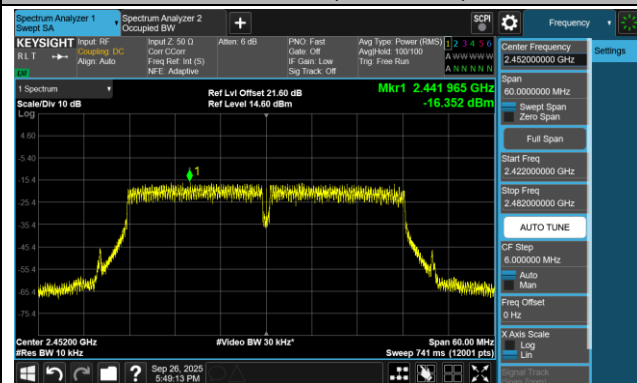
## Channel 03 (2422 MHz)



## Channel 06 (2437 MHz)



## Channel 09 (2452 MHz)



### A.5 Conducted Band Edge and Out-of-Band Emissions Test Result

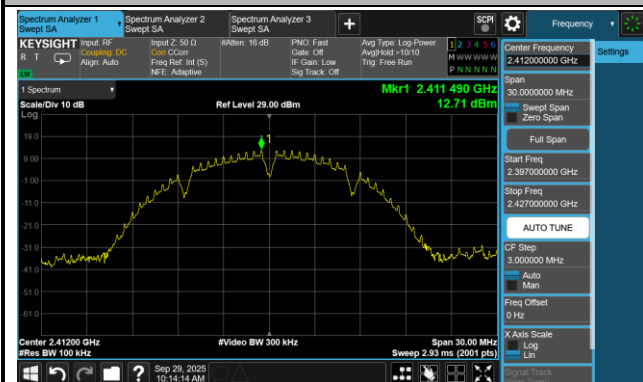
|           |            |               |            |
|-----------|------------|---------------|------------|
| Test Site | WJ-SR3     | Test Engineer | Ellie Wang |
| Test Date | 2025-09-29 |               |            |

| Test Mode | Data Rate / MCS | Channel No. | Frequency (MHz) | Limit  |
|-----------|-----------------|-------------|-----------------|--------|
| 11b       | 1 Mbps          | 01          | 2412            | 30 dBc |
| 11b       | 1 Mbps          | 06          | 2437            | 30 dBc |
| 11b       | 1 Mbps          | 11          | 2462            | 30 dBc |
| 11g       | 6 Mbps          | 01          | 2412            | 30 dBc |
| 11g       | 6 Mbps          | 06          | 2437            | 30 dBc |
| 11g       | 6 Mbps          | 11          | 2462            | 30 dBc |
| 11n-HT20  | MCS0            | 01          | 2412            | 30 dBc |
| 11n-HT20  | MCS0            | 06          | 2437            | 30 dBc |
| 11n-HT20  | MCS0            | 11          | 2462            | 30 dBc |
| 11n-HT40  | MCS0            | 03          | 2422            | 30 dBc |
| 11n-HT40  | MCS0            | 06          | 2437            | 30 dBc |
| 11n-HT40  | MCS0            | 09          | 2452            | 30 dBc |

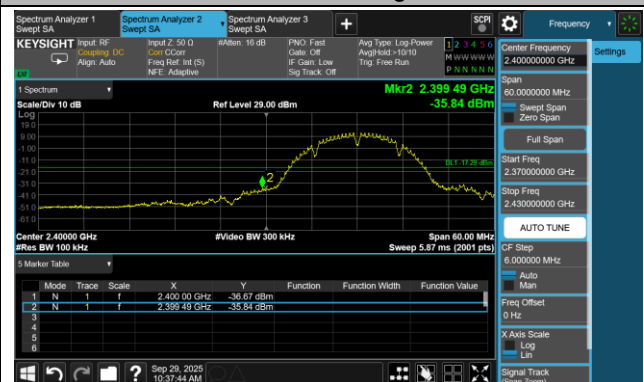
## 802.11b Out-of-Band Emissions

## Channel 01 (2412 MHz)

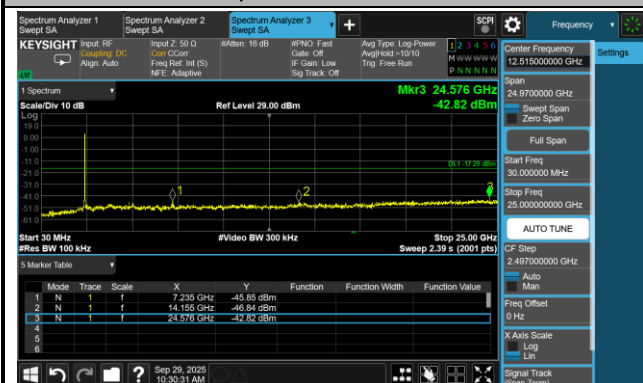
## Reference Level



Low Band Edge



## Spurious Emission

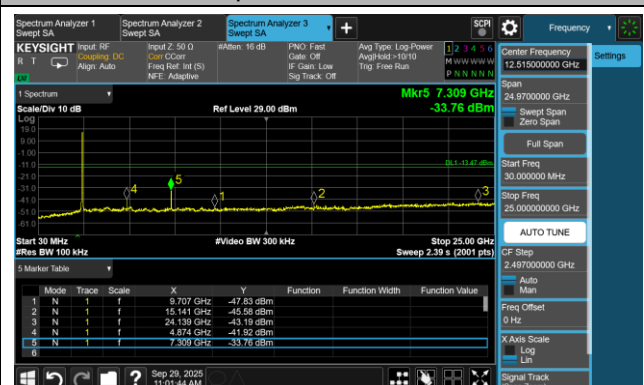


## Channel 06 (2437 MHz)

## Reference Level



## Spurious Emission



## Channel 11 (2462 MHz)

High Band Edge



The screenshot displays a Keysight Spectrum Analyzer interface. The main display shows a signal spectrum with a prominent peak at 21.897 GHz, labeled 'Mkr3 21.897 GHz' and '-43.63 dBm'. The x-axis is frequency in GHz, and the y-axis is power in dBm. The interface includes several control panels:

- Top Panel:** Shows three analyzer views (Spectrum Analyzer 1, 2, 3) and a 'Frequency' dropdown set to 'GHz'.
- Left Panel:** Contains 'KEYSIGHT' branding, input settings (RF, IF, Video), and a '5 Marker Table'.
- Right Panel:** Includes 'Center Frequency' (12.515000000 GHz), 'Span' (24.9700000 GHz), 'Sweep Span' (Zero Span), 'Full Span', 'Start Freq' (30.000000 MHz), 'Stop Freq' (25.0000000 GHz), 'AUTO TUNE', 'CF Stop' (2.497000000 GHz), 'Auto' (Auto), 'Main', 'Freq Offset' (0 Hz), 'X Axis Scale' (Log), and 'Signal' (Signal, Zoom).
- Bottom Panel:** Displays the '5 Marker Table' with columns for Mode, Trace, Scale, X, Y, Function, Function Width, and Function Value.

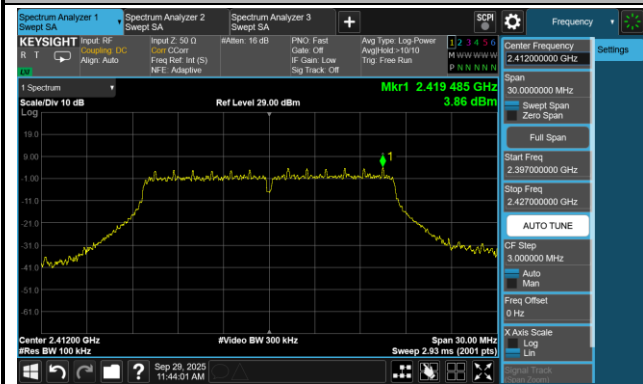
| Mode | Trace | Scale | X          | Y          | Function | Function Width | Function Value |
|------|-------|-------|------------|------------|----------|----------------|----------------|
| 1    | N     | f     | 9.770 GHz  | -48.41 dBm |          |                |                |
| 2    | N     | f     | 14.442 GHz | -46.59 dBm |          |                |                |
| 3    | N     | f     | 21.897 GHz | -43.63 dBm |          |                |                |
| 4    | N     | f     | 4.924 GHz  | -41.78 dBm |          |                |                |
| 5    | N     | f     | 7.384 GHz  | -42.04 dBm |          |                |                |



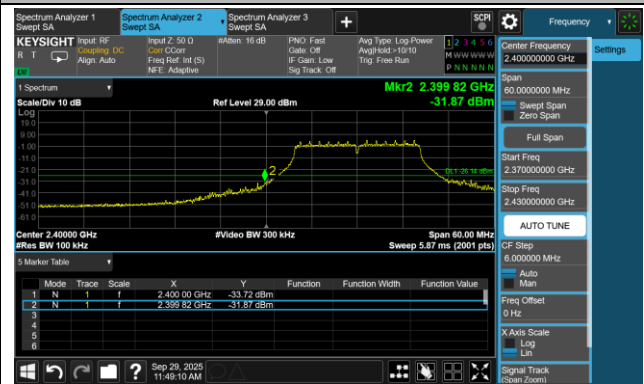
## 802.11g Out-of-Band Emissions

## Channel 01 (2412 MHz)

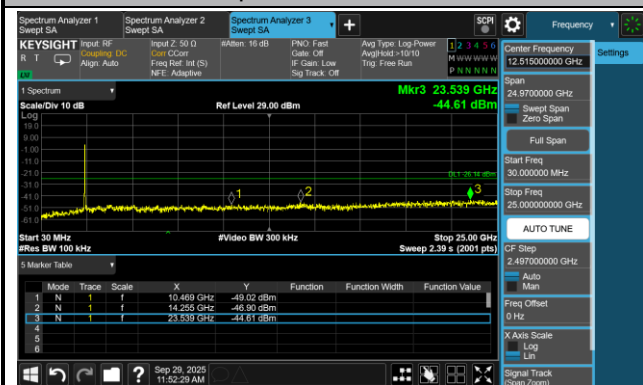
## Reference Level



## Low Band Edge

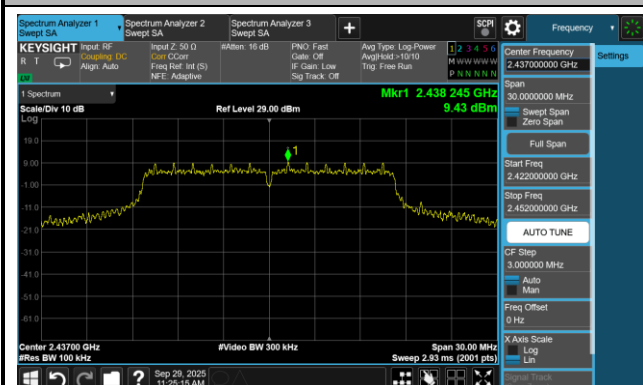


## Spurious Emission

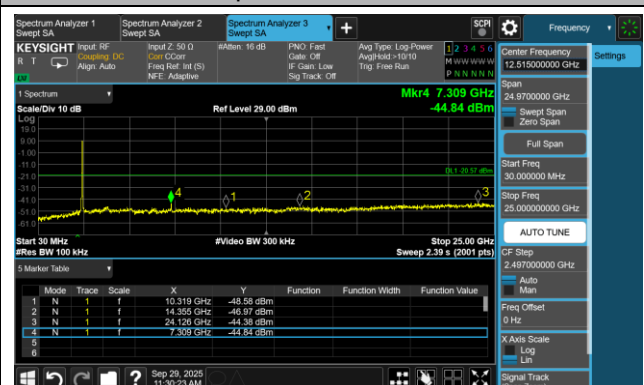


## Channel 06 (2437 MHz)

## Reference Level



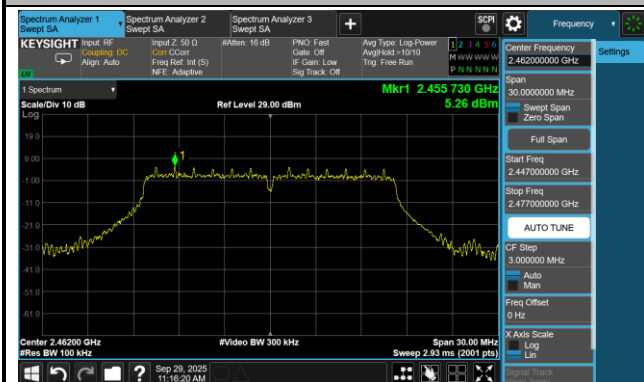
## Spurious Emission



## 802.11g Out-of-Band Emissions

### Channel 11 (2462 MHz)

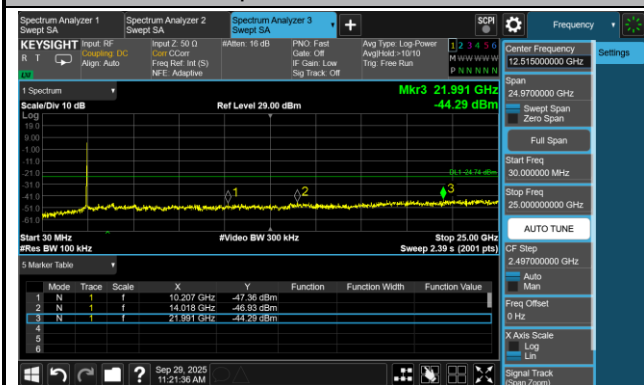
#### Reference Level



#### High Band Edge



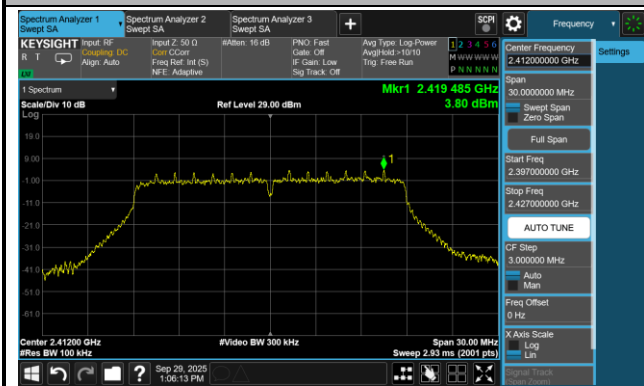
#### Spurious Emission



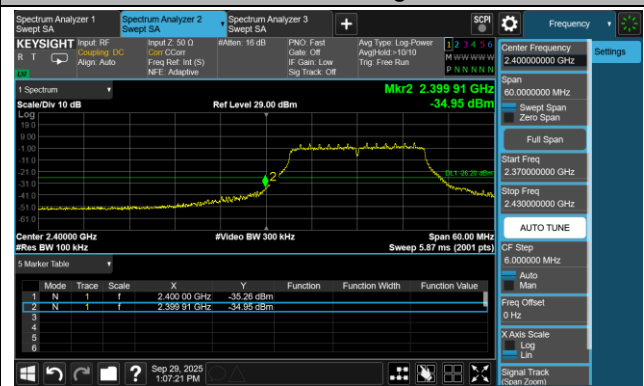
## 802.11n-HT20 Out-of-Band Emissions

## Channel 01 (2412 MHz)

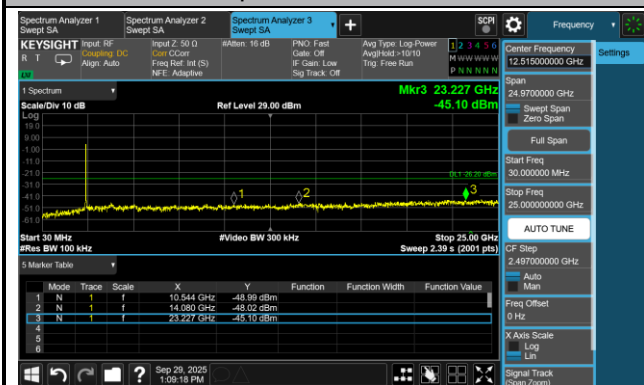
## Reference Level



## Low Band Edge



## Spurious Emission

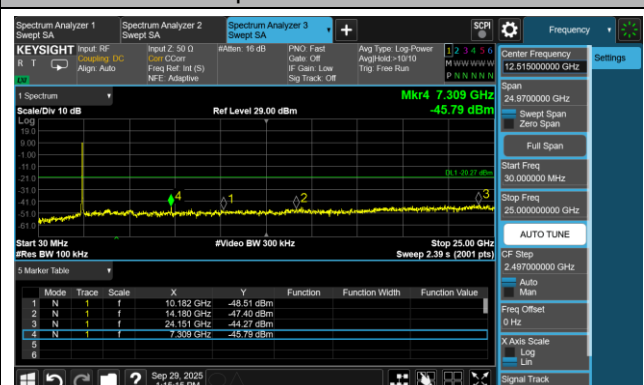


## Channel 06 (2437 MHz)

## Reference Level



## Spurious Emission



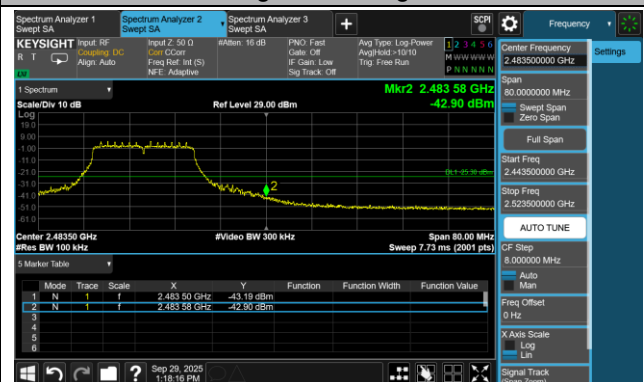
## 802.11n-HT20 Out-of-Band Emissions

## Channel 11 (2462 MHz)

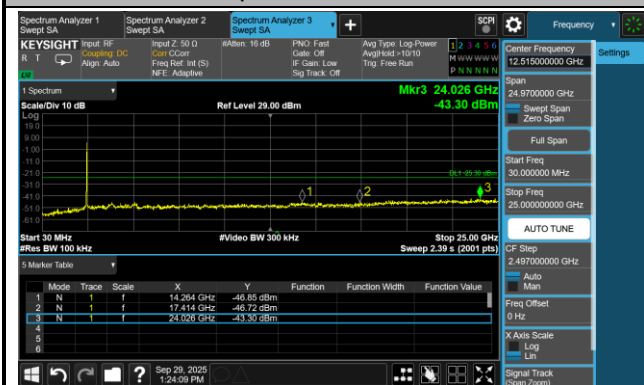
## Reference Level



## High Band Edge



## Spurious Emission



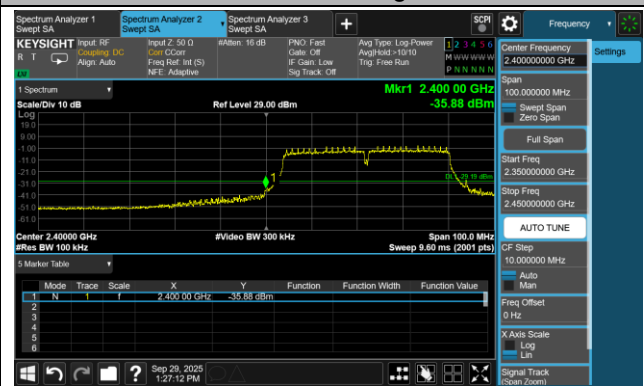
## 802.11n-HT40 Out-of-Band Emissions

## Channel 03 (2422 MHz)

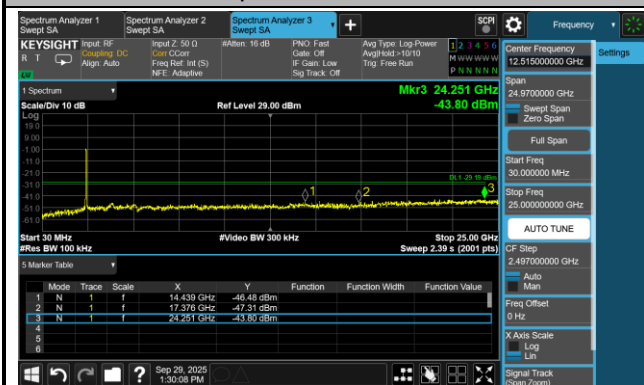
## Reference Level



## Low Band Edge

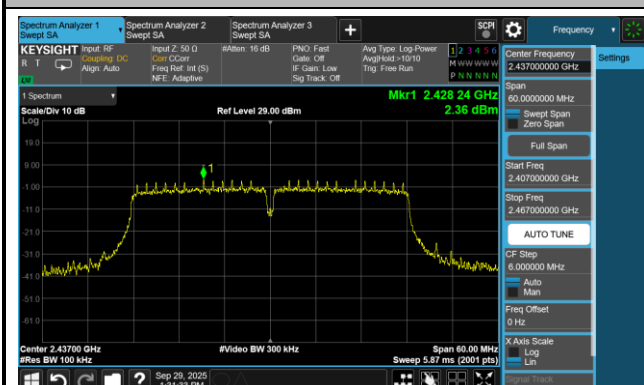


## Spurious Emission

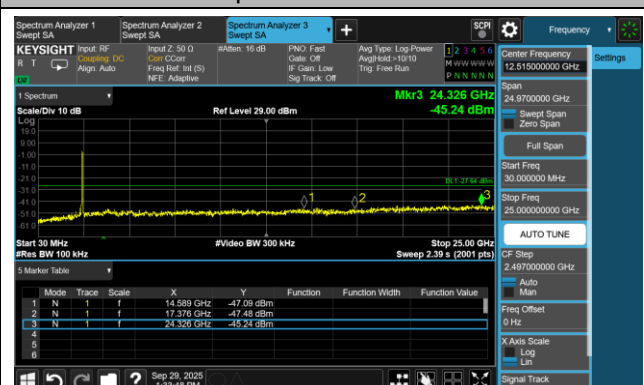


## Channel 06 (2437 MHz)

## Reference Level



## Spurious Emission



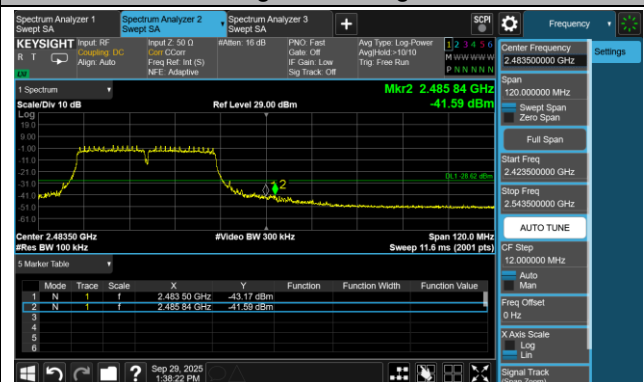
## 802.11n-HT40 Out-of-Band Emissions

### Channel 09 (2452 MHz)

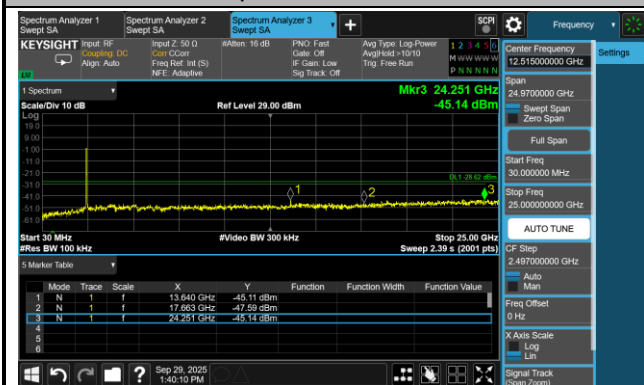
#### Reference Level



#### High Band Edge



#### Spurious Emission



### A.6 Radiated Spurious Emissions Test Result

|           |                                                                                                                                                                                     |               |            |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| Test Site | WJ-AC1                                                                                                                                                                              | Test Engineer | Carl Jiang |
| Test Date | 2025-09-27 ~ 2025-10-10                                                                                                                                                             | Test Mode     | 802.11b    |
| Remark:   | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report. |               |            |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 01           | 3878.10         | 34.10                | 7.08          | 41.18                  | 74.00          | -32.82      | Peak     | Horizontal   |
|              | 4729.80         | 31.52                | 8.26          | 39.78                  | 74.00          | -34.22      | Peak     | Horizontal   |
|              | 10926.30        | 26.57                | 18.19         | 44.76                  | 74.00          | -29.24      | Peak     | Horizontal   |
|              | 3886.60         | 34.37                | 6.93          | 41.30                  | 74.00          | -32.70      | Peak     | Vertical     |
|              | 5046.00         | 31.66                | 8.61          | 40.27                  | 74.00          | -33.73      | Peak     | Vertical     |
|              | 11562.10        | 28.01                | 19.33         | 47.34                  | 74.00          | -26.66      | Peak     | Vertical     |
| 06           | 3937.60         | 34.26                | 7.02          | 41.28                  | 74.00          | -32.72      | Peak     | Horizontal   |
|              | 4736.60         | 33.34                | 8.27          | 41.61                  | 74.00          | -32.39      | Peak     | Horizontal   |
|              | 11293.50        | 29.53                | 18.57         | 48.10                  | 74.00          | -25.90      | Peak     | Horizontal   |
|              | 3935.90         | 33.25                | 7.05          | 40.30                  | 74.00          | -33.70      | Peak     | Vertical     |
|              | 4821.60         | 32.56                | 8.45          | 41.01                  | 74.00          | -32.99      | Peak     | Vertical     |
|              | 11446.50        | 30.30                | 19.03         | 49.33                  | 74.00          | -24.67      | Peak     | Vertical     |
| 11           | 3905.30         | 33.30                | 7.02          | 40.32                  | 74.00          | -33.68      | Peak     | Horizontal   |
|              | 4842.00         | 32.81                | 8.17          | 40.98                  | 74.00          | -33.02      | Peak     | Horizontal   |
|              | 11443.10        | 28.90                | 19.04         | 47.94                  | 74.00          | -26.06      | Peak     | Horizontal   |
|              | 3915.50         | 31.67                | 7.15          | 38.82                  | 74.00          | -35.18      | Peak     | Vertical     |
|              | 4734.90         | 32.46                | 8.26          | 40.72                  | 74.00          | -33.28      | Peak     | Vertical     |
|              | 11521.30        | 26.91                | 19.04         | 45.95                  | 74.00          | -28.05      | Peak     | Vertical     |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

|           |                                                                                                                                                                                     |               |            |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| Test Site | WJ-AC1                                                                                                                                                                              | Test Engineer | Carl Jiang |
| Test Date | 2025-09-27 ~ 2025-10-10                                                                                                                                                             | Test Mode     | 802.11g    |
| Remark:   | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report. |               |            |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 01           | 4058.30         | 32.27                | 7.02          | 39.29                  | 74.00          | -34.71      | Peak     | Horizontal   |
|              | 4819.90         | 33.11                | 8.43          | 41.54                  | 74.00          | -32.46      | Peak     | Horizontal   |
|              | 8265.80         | 30.21                | 14.35         | 44.56                  | 74.00          | -29.44      | Peak     | Horizontal   |
|              | 3915.50         | 31.34                | 7.15          | 38.49                  | 74.00          | -35.51      | Peak     | Vertical     |
|              | 4651.60         | 31.44                | 8.31          | 39.75                  | 74.00          | -34.25      | Peak     | Vertical     |
|              | 11319.00        | 28.53                | 18.79         | 47.32                  | 74.00          | -26.68      | Peak     | Vertical     |
| 06           | 4791.00         | 32.18                | 8.10          | 40.28                  | 74.00          | -33.72      | Peak     | Horizontal   |
|              | 7308.70         | 23.30                | 13.59         | 36.89                  | 74.00          | -37.11      | Average  | Horizontal   |
|              | 7308.70         | 34.71                | 13.59         | 48.30                  | 74.00          | -25.70      | Peak     | Horizontal   |
|              | 11206.80        | 21.40                | 18.62         | 40.02                  | 74.00          | -33.98      | Average  | Horizontal   |
|              | 11206.80        | 32.72                | 18.62         | 51.34                  | 74.00          | -22.66      | Peak     | Horizontal   |
|              | 3740.40         | 37.10                | 6.63          | 43.73                  | 74.00          | -30.27      | Peak     | Vertical     |
|              | 7307.00         | 22.40                | 13.61         | 36.01                  | 74.00          | -37.99      | Average  | Vertical     |
|              | 7307.00         | 34.84                | 13.61         | 48.45                  | 74.00          | -25.55      | Peak     | Vertical     |
|              | 11319.00        | 28.72                | 18.79         | 47.51                  | 74.00          | -26.49      | Peak     | Vertical     |
| 11           | 3985.20         | 32.26                | 7.20          | 39.46                  | 74.00          | -34.54      | Peak     | Horizontal   |
|              | 4768.90         | 32.08                | 8.47          | 40.55                  | 74.00          | -33.45      | Peak     | Horizontal   |
|              | 8310.00         | 28.96                | 14.53         | 43.49                  | 74.00          | -30.51      | Peak     | Horizontal   |
|              | 3925.70         | 34.53                | 7.14          | 41.67                  | 74.00          | -32.33      | Peak     | Vertical     |
|              | 4808.00         | 32.99                | 8.34          | 41.33                  | 74.00          | -32.67      | Peak     | Vertical     |
|              | 11604.60        | 29.41                | 19.23         | 48.64                  | 74.00          | -25.36      | Peak     | Vertical     |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

|           |                                                                                                                                                                                     |               |              |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| Test Site | WJ-AC1                                                                                                                                                                              | Test Engineer | Carl Jiang   |
| Test Date | 2025-09-27 ~ 2025-10-10                                                                                                                                                             | Test Mode     | 802.11n-HT20 |
| Remark:   | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report. |               |              |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 01           | 3907.00         | 33.46                | 7.06          | 40.52                  | 74.00          | -33.48      | Peak     | Horizontal   |
|              | 4882.80         | 32.17                | 8.37          | 40.54                  | 74.00          | -33.46      | Peak     | Horizontal   |
|              | 11461.80        | 28.36                | 19.00         | 47.36                  | 74.00          | -26.64      | Peak     | Horizontal   |
|              | 3692.80         | 35.53                | 6.62          | 42.15                  | 74.00          | -31.85      | Peak     | Vertical     |
|              | 4818.20         | 33.64                | 8.42          | 42.06                  | 74.00          | -31.94      | Peak     | Vertical     |
|              | 8235.20         | 29.07                | 14.38         | 43.45                  | 74.00          | -30.55      | Peak     | Vertical     |
| 06           | 3854.30         | 32.88                | 6.95          | 39.83                  | 74.00          | -34.17      | Peak     | Horizontal   |
|              | 4840.30         | 32.60                | 8.16          | 40.76                  | 74.00          | -33.24      | Peak     | Horizontal   |
|              | 11563.80        | 28.62                | 19.31         | 47.93                  | 74.00          | -26.07      | Peak     | Horizontal   |
|              | 3976.70         | 31.82                | 7.22          | 39.04                  | 74.00          | -34.96      | Peak     | Vertical     |
|              | 4755.30         | 32.88                | 8.31          | 41.19                  | 74.00          | -32.81      | Peak     | Vertical     |
|              | 11667.50        | 28.98                | 19.57         | 48.55                  | 74.00          | -25.45      | Peak     | Vertical     |
| 11           | 3871.30         | 33.00                | 7.08          | 40.08                  | 74.00          | -33.92      | Peak     | Horizontal   |
|              | 4862.40         | 31.99                | 8.38          | 40.37                  | 74.00          | -33.63      | Peak     | Horizontal   |
|              | 11616.50        | 27.98                | 19.27         | 47.25                  | 74.00          | -26.75      | Peak     | Horizontal   |
|              | 3856.00         | 37.11                | 6.98          | 44.09                  | 74.00          | -29.91      | Peak     | Vertical     |
|              | 4904.90         | 33.78                | 8.35          | 42.13                  | 74.00          | -31.87      | Peak     | Vertical     |
|              | 11461.80        | 30.28                | 19.00         | 49.28                  | 74.00          | -24.72      | Peak     | Vertical     |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

|           |                                                                                                                                                                                     |               |              |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| Test Site | WJ-AC1                                                                                                                                                                              | Test Engineer | Carl Jiang   |
| Test Date | 2025-09-27 ~ 2025-10-10                                                                                                                                                             | Test Mode     | 802.11n-HT40 |
| Remark:   | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report. |               |              |

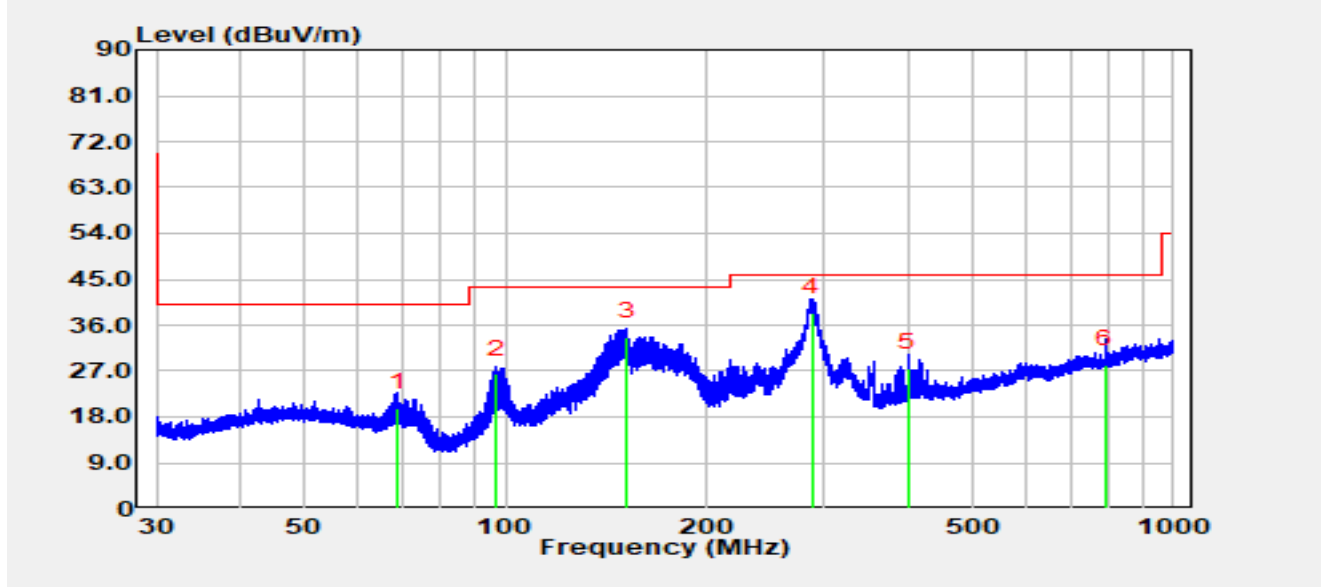
| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 03           | 3803.30         | 34.04                | 7.04          | 41.08                  | 74.00          | -32.92      | Peak     | Horizontal   |
|              | 4840.30         | 32.17                | 8.16          | 40.33                  | 74.00          | -33.67      | Peak     | Horizontal   |
|              | 11720.20        | 29.54                | 19.62         | 49.16                  | 74.00          | -24.84      | Peak     | Horizontal   |
|              | 4733.20         | 30.96                | 8.26          | 39.22                  | 74.00          | -34.78      | Peak     | Vertical     |
|              | 7565.40         | 29.60                | 13.95         | 43.55                  | 74.00          | -30.45      | Peak     | Vertical     |
|              | 11359.80        | 28.43                | 18.79         | 47.22                  | 74.00          | -26.78      | Peak     | Vertical     |
| 06           | 3888.30         | 33.10                | 6.90          | 40.00                  | 74.00          | -34.00      | Peak     | Horizontal   |
|              | 5039.20         | 31.72                | 8.73          | 40.45                  | 74.00          | -33.55      | Peak     | Horizontal   |
|              | 11159.20        | 29.17                | 18.42         | 47.59                  | 74.00          | -26.41      | Peak     | Horizontal   |
|              | 3888.30         | 32.49                | 6.90          | 39.39                  | 74.00          | -34.61      | Peak     | Vertical     |
|              | 4733.20         | 32.66                | 8.26          | 40.92                  | 74.00          | -33.08      | Peak     | Vertical     |
|              | 11257.80        | 27.76                | 18.57         | 46.33                  | 74.00          | -27.67      | Peak     | Vertical     |
| 09           | 3859.40         | 36.26                | 7.05          | 43.31                  | 74.00          | -30.69      | Peak     | Horizontal   |
|              | 4797.80         | 32.58                | 8.21          | 40.79                  | 74.00          | -33.21      | Peak     | Horizontal   |
|              | 11359.80        | 28.32                | 18.79         | 47.11                  | 74.00          | -26.89      | Peak     | Horizontal   |
|              | 3733.60         | 36.30                | 6.62          | 42.92                  | 74.00          | -31.08      | Peak     | Vertical     |
|              | 4862.40         | 32.17                | 8.38          | 40.55                  | 74.00          | -33.45      | Peak     | Vertical     |
|              | 11359.80        | 30.04                | 18.79         | 48.83                  | 74.00          | -25.17      | Peak     | Vertical     |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

### The Result of Radiated Emission below 1 GHz:

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-10-09 |
| Temperature  | 25.2 °C                         | Humidity      | 54.2%      |
| Limit        | FCC_Part 15.209_RSE (3 m)       | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Horizontal |
| Test Mode    | Transmit by 802.11b at 2437 MHz |               |            |

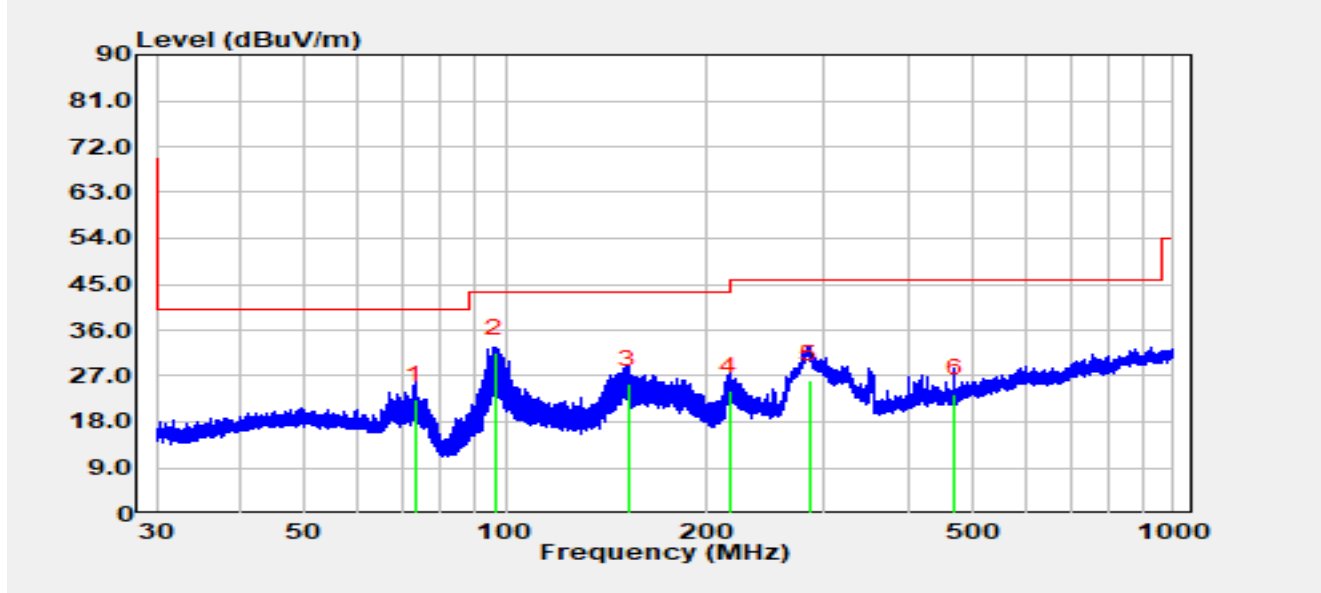


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  |      | 68.97           | 3.50           | 16.32      | 19.82                | -20.18      | 40.00          | QP       |
| 2  |      | 96.88           | 8.10           | 18.27      | 26.37                | -17.13      | 43.50          | QP       |
| 3  |      | 152.18          | 18.80          | 14.98      | 33.78                | -9.72       | 43.50          | QP       |
| 4  | *    | 287.69          | 18.00          | 20.40      | 38.40                | -7.60       | 46.00          | QP       |
| 5  |      | 400.01          | 4.30           | 23.30      | 27.60                | -18.40      | 46.00          | QP       |
| 6  |      | 792.01          | -0.80          | 29.15      | 28.35                | -17.65      | 46.00          | QP       |

#### Notes:

1. " \* " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
4. The amplitude of radiated emissions (frequency range from 9 kHz to 30 MHz and 18 GHz to 25 GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-10-09 |
| Temperature  | 25.2 °C                         | Humidity      | 54.2%      |
| Limit        | FCC_Part 15.209_RSE (3 m)       | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Vertical   |
| Test Mode    | Transmit by 802.11b at 2437 MHz |               |            |



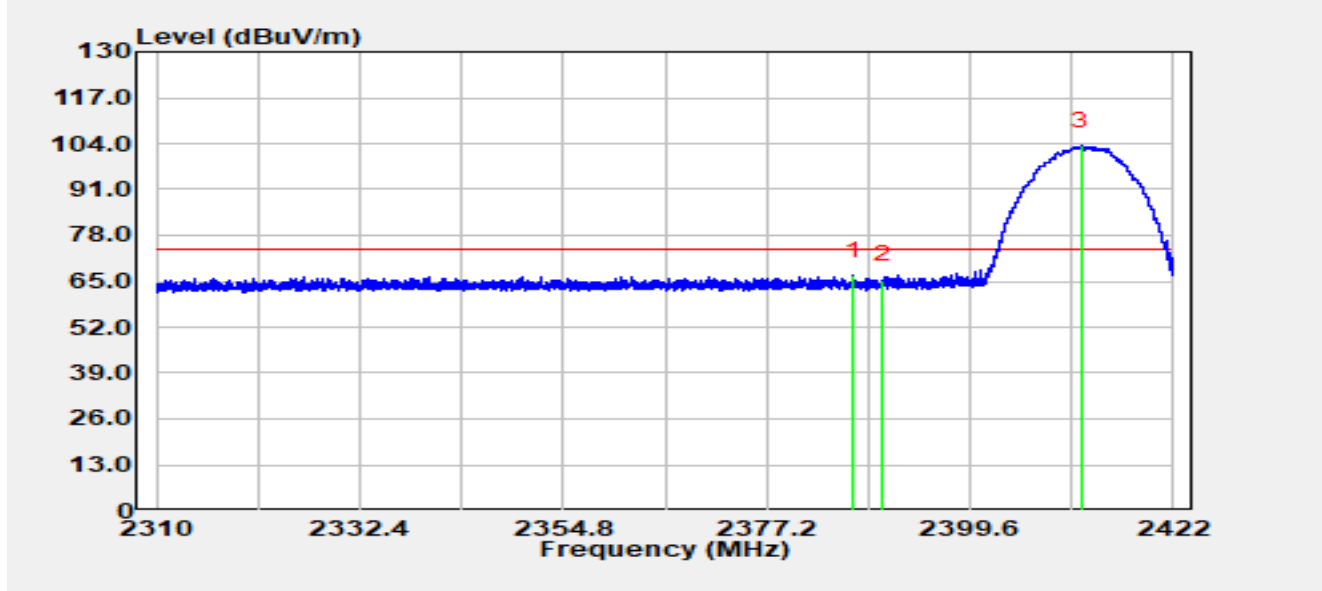
| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  |      | 73.05           | 7.30           | 15.03      | 22.33                | -17.67      | 40.00          | QP       |
| 2  | *    | 96.37           | 13.30          | 18.19      | 31.49                | -12.01      | 43.50          | QP       |
| 3  |      | 152.72          | 10.30          | 15.01      | 25.31                | -18.19      | 43.50          | QP       |
| 4  |      | 216.10          | 6.00           | 18.10      | 24.10                | -21.90      | 46.00          | QP       |
| 5  |      | 284.98          | 6.00           | 20.32      | 26.32                | -19.68      | 46.00          | QP       |
| 6  |      | 470.52          | -0.60          | 24.11      | 23.51                | -22.49      | 46.00          | QP       |

#### Notes:

- "\*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
- The amplitude of radiated emissions (frequency range from 9 kHz to 30 MHz and 18 GHz to 25 GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

### A.7 Radiated Restricted Band Edge Test Result

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-25 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Horizontal |
| Test Mode    | Transmit by 802.11b at 2412 MHz |               |            |

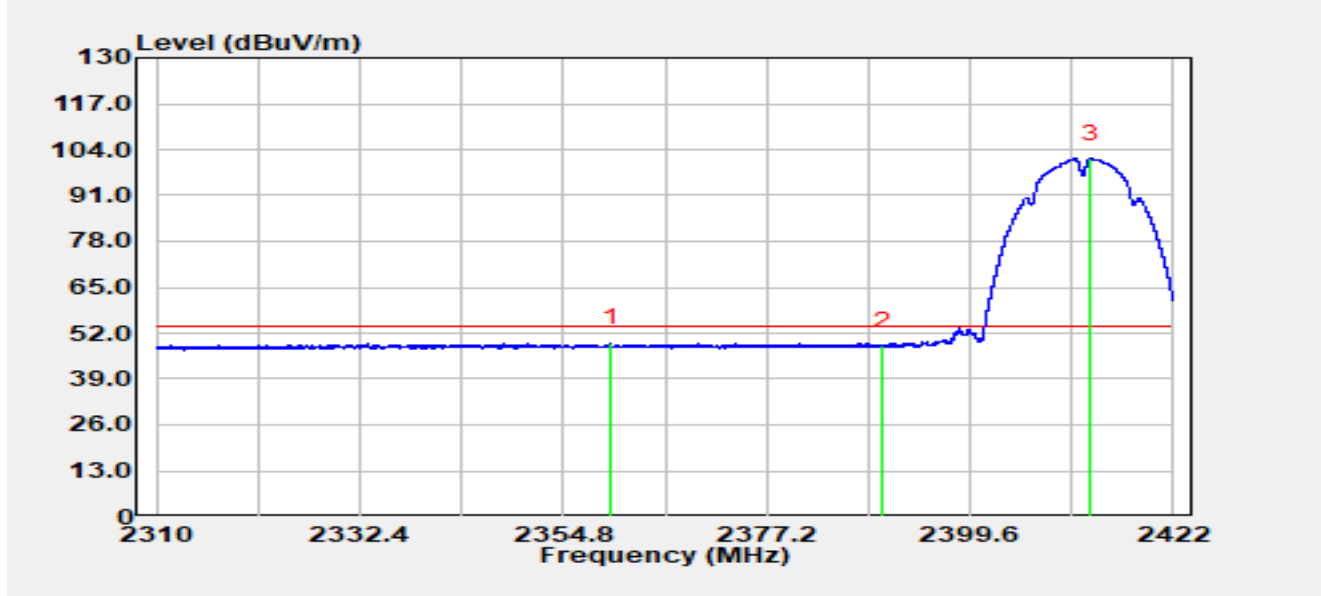


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2386.75         | 29.75          | 36.81      | 66.56                | -7.44       | 74.00          | Peak     |
| 2  |      | 2390.00         | 28.48          | 36.83      | 65.31                | -8.69       | 74.00          | Peak     |
| 3  |      | 2411.80         | 66.40          | 36.97      | 103.37               | N/A         | N/A            | Peak     |

#### Notes:

1. “ \* ” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-25 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Horizontal |
| Test Mode    | Transmit by 802.11b at 2412 MHz |               |            |

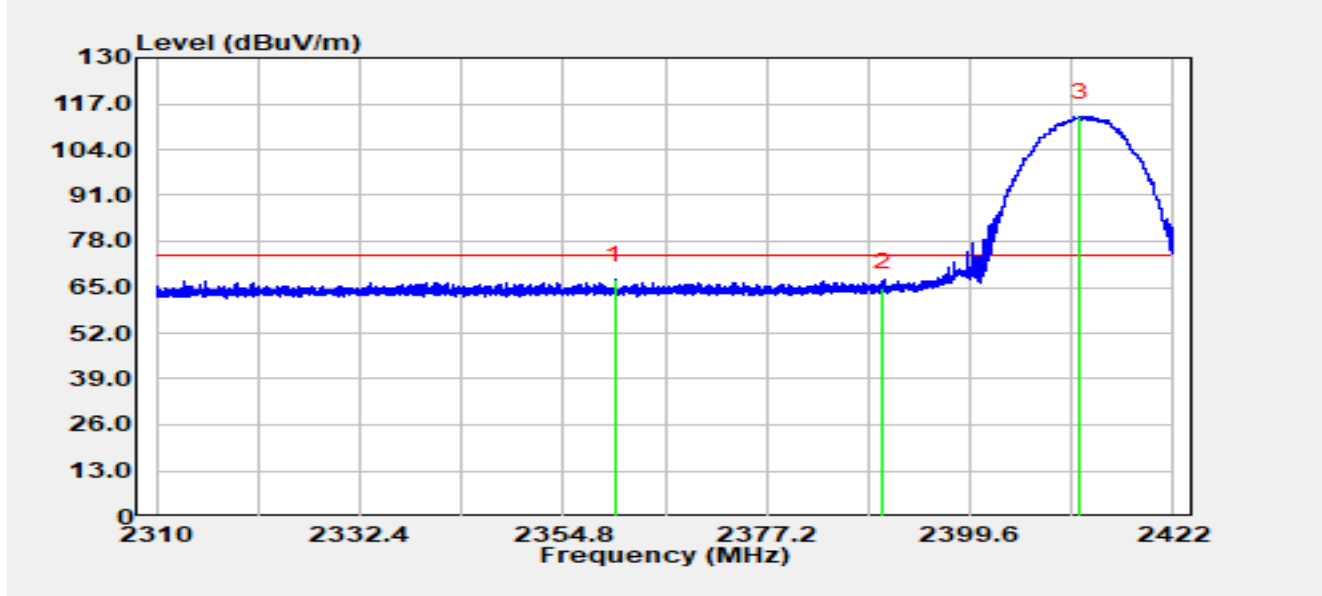


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2360.08         | 12.45          | 36.71      | 49.16                | -4.84       | 54.00          | Average  |
| 2  |      | 2390.00         | 11.70          | 36.83      | 48.53                | -5.47       | 54.00          | Average  |
| 3  |      | 2412.87         | 64.50          | 36.98      | 101.48               | N/A         | N/A            | Average  |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-25 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Vertical   |
| Test Mode    | Transmit by 802.11b at 2412 MHz |               |            |

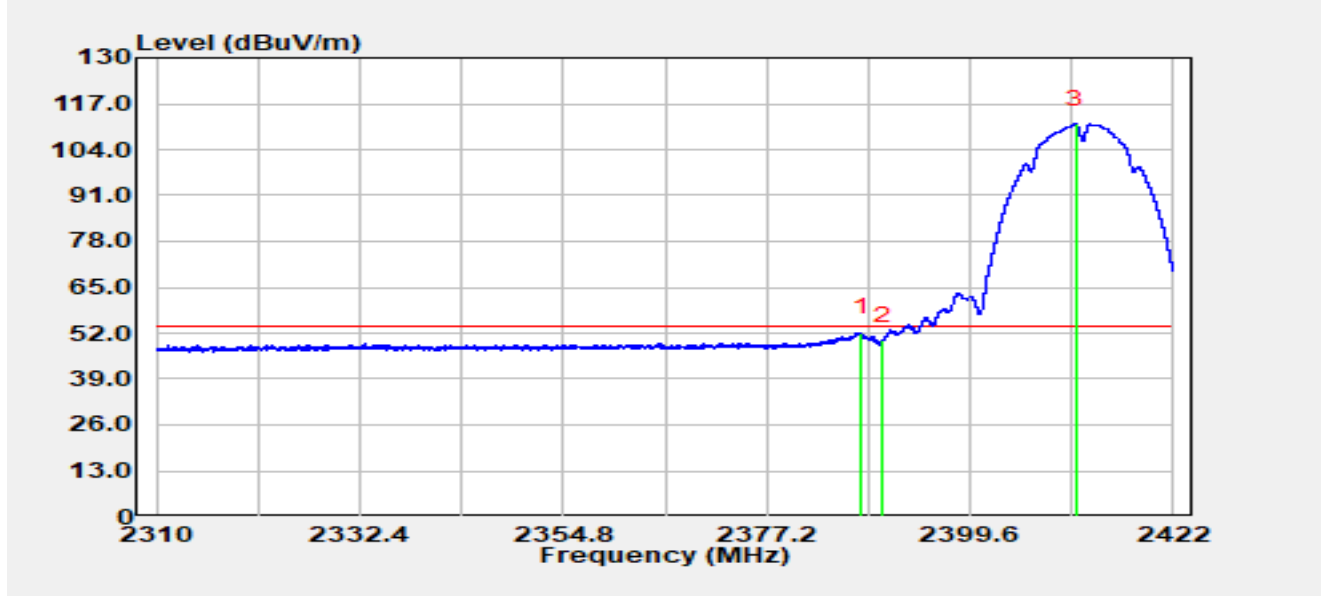


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2360.57         | 30.47          | 36.71      | 67.18                | -6.82       | 74.00          | Peak     |
| 2  |      | 2390.00         | 28.15          | 36.83      | 64.98                | -9.02       | 74.00          | Peak     |
| 3  |      | 2411.76         | 76.32          | 36.97      | 113.29               | N/A         | N/A            | Peak     |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-25 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Vertical   |
| Test Mode    | Transmit by 802.11b at 2412 MHz |               |            |

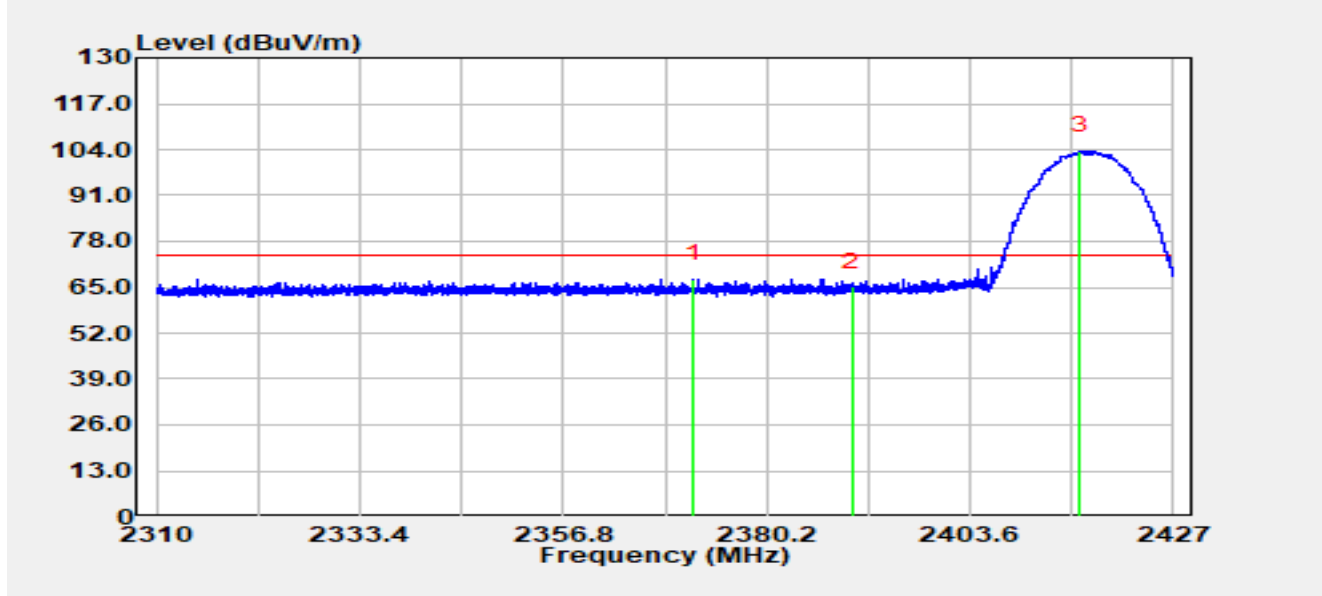


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2387.65         | 15.22          | 36.82      | 52.04                | -1.96       | 54.00          | Average  |
| 2  |      | 2390.00         | 13.19          | 36.83      | 50.02                | -3.98       | 54.00          | Average  |
| 3  |      | 2411.25         | 74.29          | 36.97      | 111.26               | N/A         | N/A            | Average  |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-26 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Horizontal |
| Test Mode    | Transmit by 802.11b at 2417 MHz |               |            |

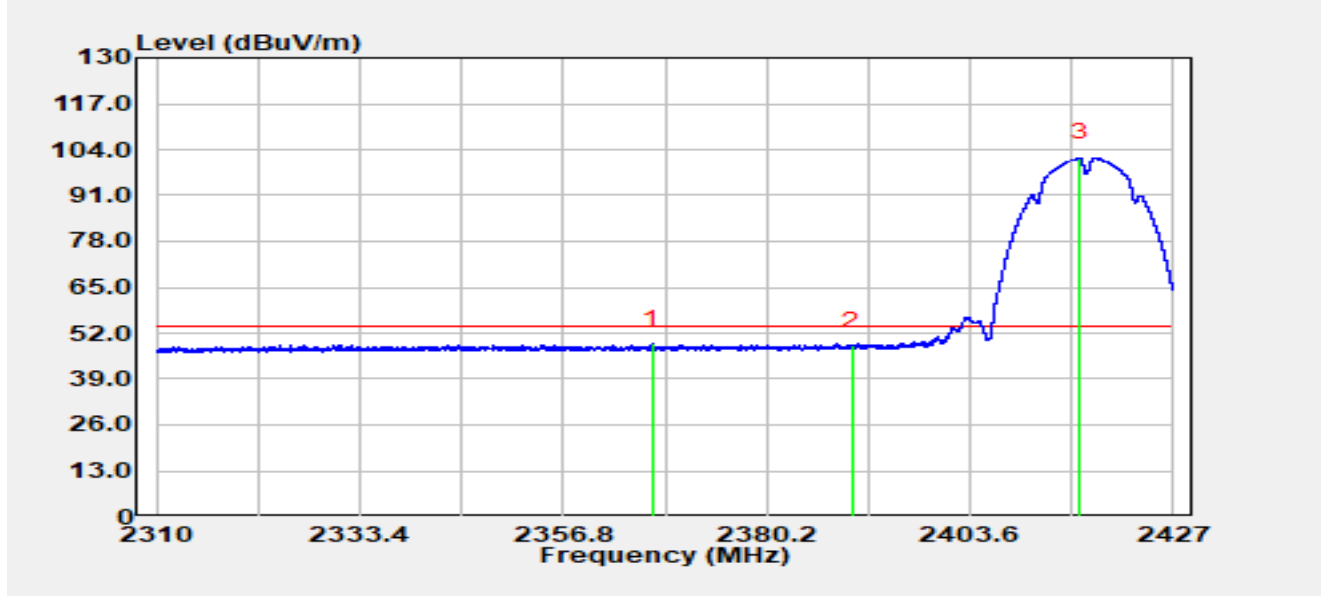


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2371.81         | 30.61          | 36.74      | 67.35                | -6.65       | 74.00          | Peak     |
| 2  |      | 2390.00         | 28.26          | 36.83      | 65.09                | -8.91       | 74.00          | Peak     |
| 3  |      | 2416.17         | 66.63          | 36.99      | 103.62               | N/A         | N/A            | Peak     |

Notes:

1. “ \* ” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-26 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Horizontal |
| Test Mode    | Transmit by 802.11b at 2417 MHz |               |            |

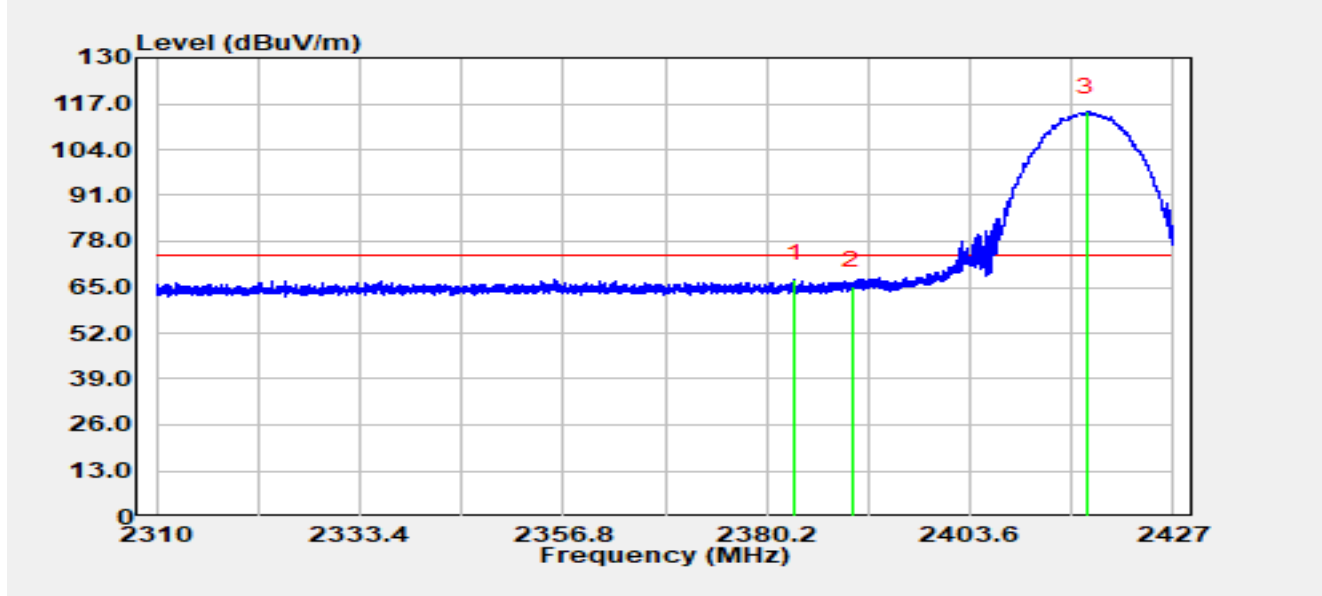


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2367.08         | 12.18          | 36.73      | 48.91                | -5.09       | 54.00          | Average  |
| 2  |      | 2390.00         | 11.59          | 36.83      | 48.42                | -5.58       | 54.00          | Average  |
| 3  |      | 2416.24         | 64.69          | 36.99      | 101.68               | N/A         | N/A            | Average  |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-26 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Vertical   |
| Test Mode    | Transmit by 802.11b at 2417 MHz |               |            |

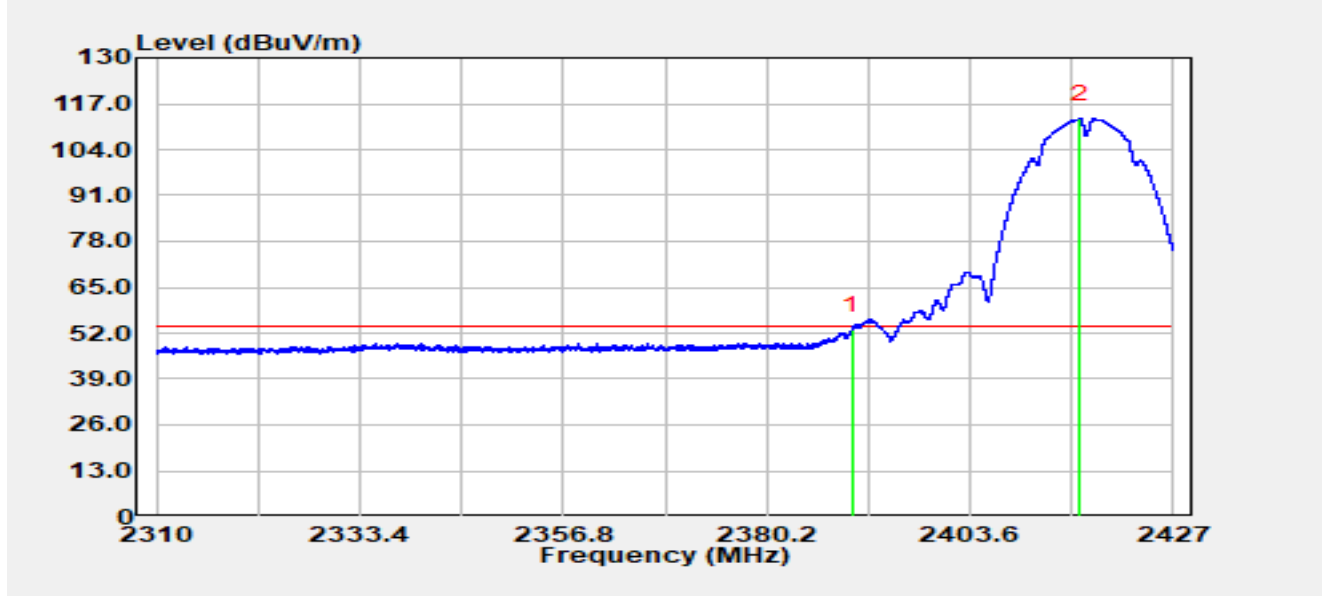


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2383.48         | 30.57          | 36.80      | 67.37                | -6.63       | 74.00          | Peak     |
| 2  |      | 2390.00         | 28.50          | 36.83      | 65.33                | -8.67       | 74.00          | Peak     |
| 3  |      | 2417.03         | 77.67          | 36.99      | 114.67               | N/A         | N/A            | Peak     |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-26 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Vertical   |
| Test Mode    | Transmit by 802.11b at 2417 MHz |               |            |

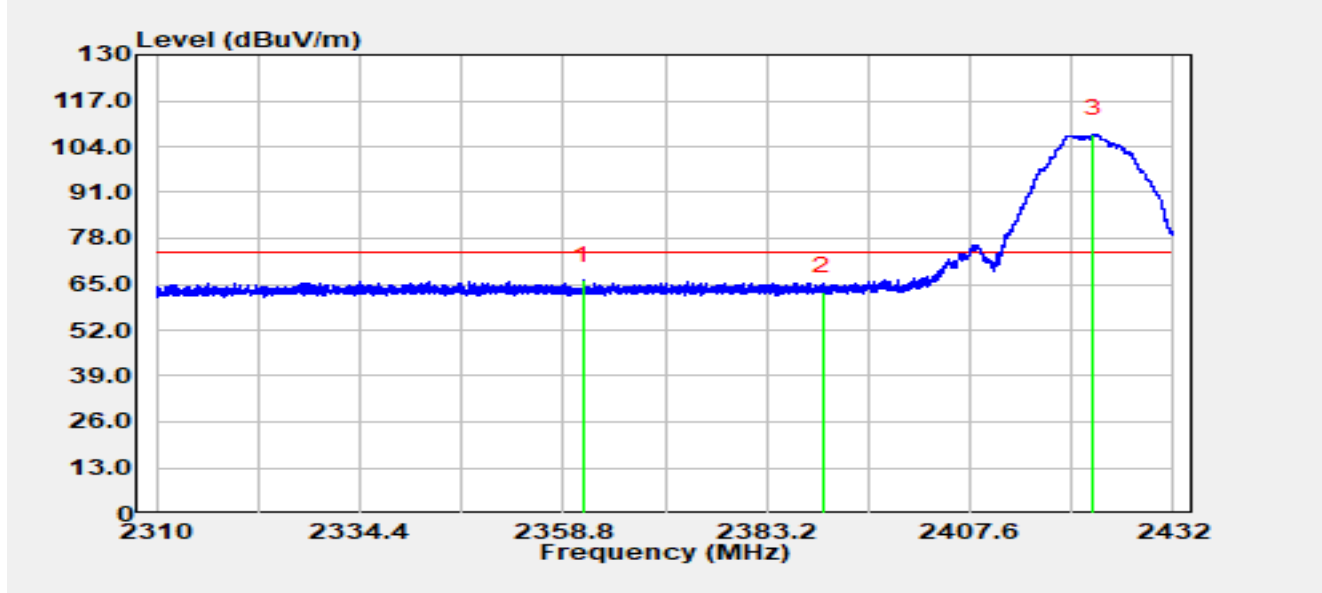


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2390.00         | 16.02          | 36.83      | 52.85                | -1.15       | 54.00          | Average  |
| 2  |      | 2416.29         | 75.83          | 36.99      | 112.82               | N/A         | N/A            | Average  |

#### Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-30 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Horizontal |
| Test Mode    | Transmit by 802.11b at 2422 MHz |               |            |

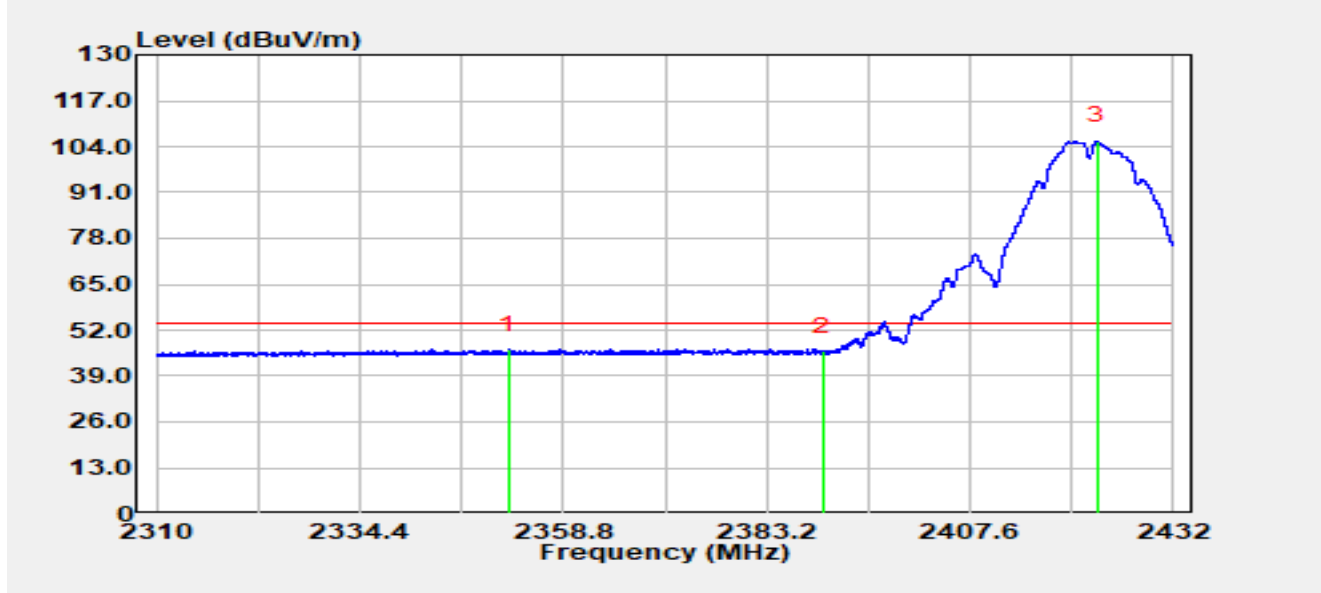


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2361.20         | 29.30          | 36.72      | 66.02                | -7.98       | 74.00          | Peak     |
| 2  |      | 2390.00         | 26.18          | 36.83      | 63.01                | -10.99      | 74.00          | Peak     |
| 3  |      | 2422.34         | 70.49          | 37.00      | 107.49               | N/A         | N/A            | Peak     |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-30 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Horizontal |
| Test Mode    | Transmit by 802.11b at 2422 MHz |               |            |

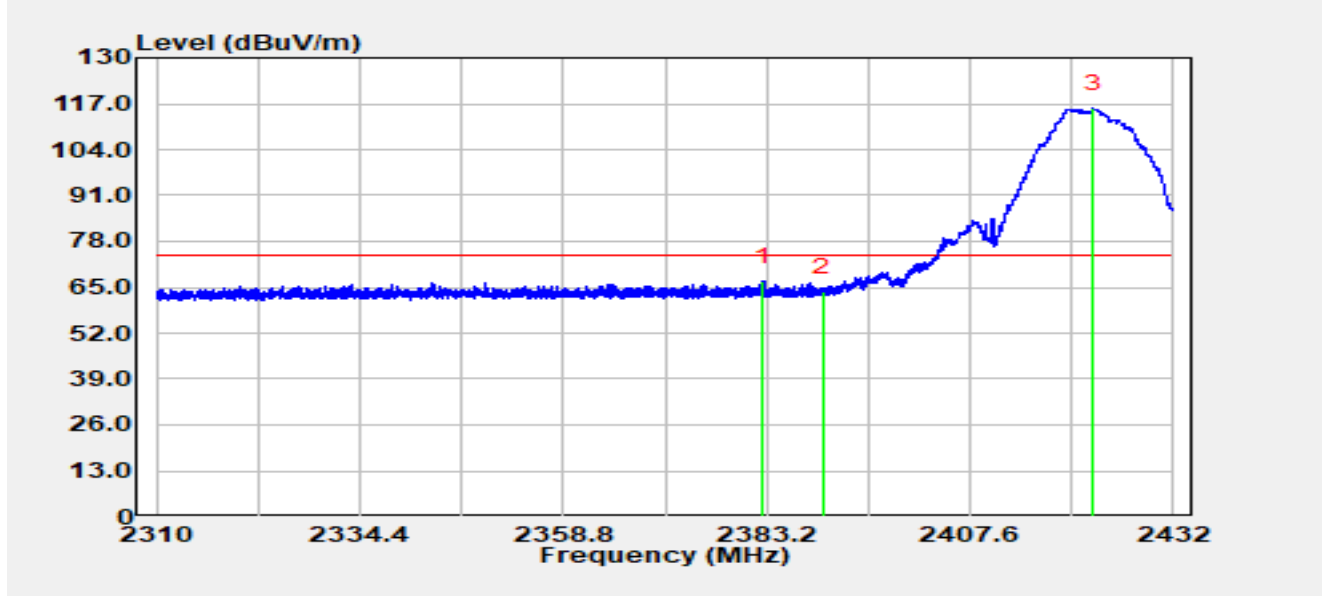


| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2352.21         | 9.77           | 36.71      | 46.49                | -7.51       | 54.00          | Average  |
| 2  |      | 2390.00         | 9.22           | 36.83      | 46.05                | -7.95       | 54.00          | Average  |
| 3  |      | 2422.81         | 68.49          | 37.00      | 105.50               | N/A         | N/A            | Average  |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

|              |                                 |               |            |
|--------------|---------------------------------|---------------|------------|
| Site         | WJ-AC1                          | Test Date     | 2025-09-30 |
| Temperature  | 25.8 °C                         | Humidity      | 54.9%      |
| Limit        | FCC_Part 15_Band Edge (3 m)     | Test Engineer | Carl Jiang |
| Test Voltage | By Battery                      | Polarity      | Vertical   |
| Test Mode    | Transmit by 802.11b at 2422 MHz |               |            |



| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|----|------|-----------------|----------------|------------|----------------------|-------------|----------------|----------|
| 1  | *    | 2382.82         | 29.82          | 36.80      | 66.62                | -7.38       | 74.00          | Peak     |
| 2  |      | 2390.00         | 26.74          | 36.83      | 63.57                | -10.43      | 74.00          | Peak     |
| 3  |      | 2422.39         | 78.55          | 37.00      | 115.56               | N/A         | N/A            | Peak     |

Notes:

1. “\*” indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).