



# FCC RADIO TEST REPORT

FCC ID : A4RGG3HH  
Equipment : Wireless Device  
Model Name : GG3HH  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : FCC Part 15 Subpart C §15.247

The product was received on Jan. 29, 2024 and testing was performed from Feb. 08, 2024 to Mar. 26, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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## History of this test report

| Report No. | Version | Description             | Issue Date    |
|------------|---------|-------------------------|---------------|
| FR412915C  | 01      | Initial issue of report | Apr. 20, 2024 |
|            |         |                         |               |
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|            |         |                         |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                                         | Result (PASS/FAIL) | Remark                                 |
|---------------|-----------------|----------------------------------------------------|--------------------|----------------------------------------|
| 3.1           | 15.247(a)(2)    | 6dB Bandwidth                                      | Pass               | -                                      |
| 3.1           | 2.1049          | 99% Occupied Bandwidth                             | Reporting only     | -                                      |
| 3.2           | 15.247(b)       | Power Output Measurement                           | Pass               | -                                      |
| 3.3           | 15.247(e)       | Power Spectral Density                             | Pass               | -                                      |
| 3.4           | 15.247(d)       | Conducted Band Edges                               | Pass               | -                                      |
|               |                 | Conducted Spurious Emission                        | Pass               | -                                      |
| 3.5           | 15.247(d)       | Radiated Band Edges and Radiated Spurious Emission | Pass               | 2.16 dB under the limit at 2483.76 MHz |
| 3.6           | 15.207          | AC Conducted Emission                              | Pass               | 16.87 dB under the limit at 0.15 MHz   |
| 3.7           | 15.203          | Antenna Requirement                                | Pass               | -                                      |

### Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

### Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Yun Huang**

**Report Producer: Mila Chen**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>General Specs</b><br>Bluetooth, BLE, BLE (CH2-76), Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, UWB, and GPS. |
| <b>Antenna Type</b><br>WLAN: PIFA Antenna                                                                                         |

| EUT Information List    |                            |
|-------------------------|----------------------------|
| S/N                     | Performed Test Item        |
| 1JE650106990505412022D5 | RF Conducted Measurement   |
| 41151JEAVW000T          | Radiated Spurious Emission |
| 41311JEAVW005E          | Conducted Emission         |

| Antenna information   |                 |      |
|-----------------------|-----------------|------|
| 2400 MHz ~ 2483.5 MHz | Peak Gain (dBi) | -6.1 |

**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.

### 1.3 Testing Location

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Site          | Sporton International Inc. Wensan Laboratory                                                                                                     |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |
| Test Site No.      | <b>Sporton Site No.</b><br>TH05-HY, CO07-HY, 03CH11-HY                                                                                           |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW3786

### 1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2013

**Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

## 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find X plane with Adapter as worst plane
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

| Frequency Band  | Channel | Freq.<br>(MHz) | Channel | Freq.<br>(MHz) |
|-----------------|---------|----------------|---------|----------------|
| 2400-2483.5 MHz | 1       | 2412           | 7       | 2442           |
|                 | 2       | 2417           | 8       | 2447           |
|                 | 3       | 2422           | 9       | 2452           |
|                 | 4       | 2427           | 10      | 2457           |
|                 | 5       | 2432           | 11      | 2462           |
|                 | 6       | 2437           |         |                |

## 2.2 Test Mode

This device support 26/52/106/242-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel.

**The final test modes include the worst data rates for each modulation shown in the table below.**

### Single Mode

| Modulation    | Data Rate |
|---------------|-----------|
| 802.11b       | 1 Mbps    |
| 802.11g       | 6 Mbps    |
| 802.11n HT20  | MCS0      |
| 802.11ax HE20 | MCS0      |

| Test Cases                  |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| AC<br>Conducted<br>Emission | Mode 1 : Bluetooth Link + WLAN (2.4GHz) Link + USB Cable (Charging from Adapter) |

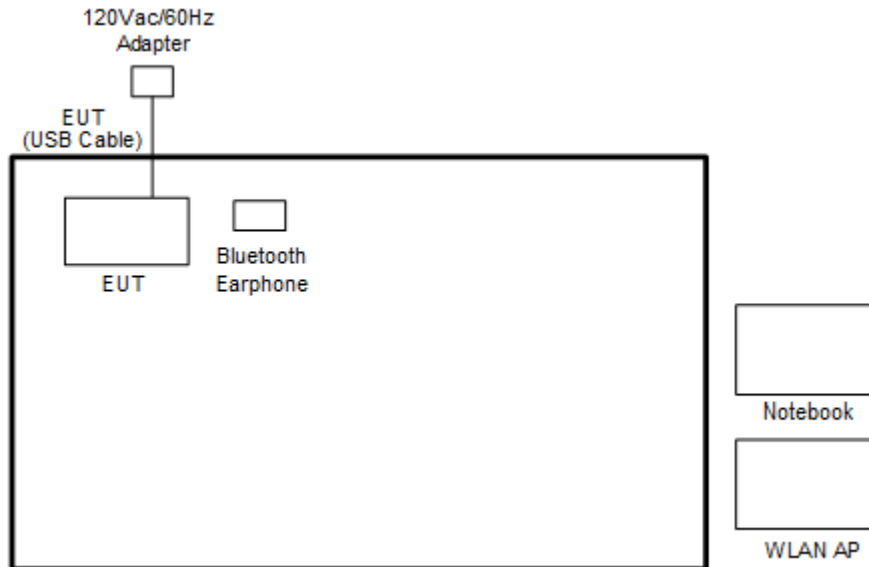
| Ch. #  | 2400-2483.5 MHz |         |              |               |
|--------|-----------------|---------|--------------|---------------|
|        | 802.11b         | 802.11g | 802.11n HT20 | 802.11ax HE20 |
| Low    | 01              | 01      | 01           | 01            |
| Middle | 06              | 06      | 06           | 06            |
| High   | 11              | 11      | 11           | 11            |

**Remark:** For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

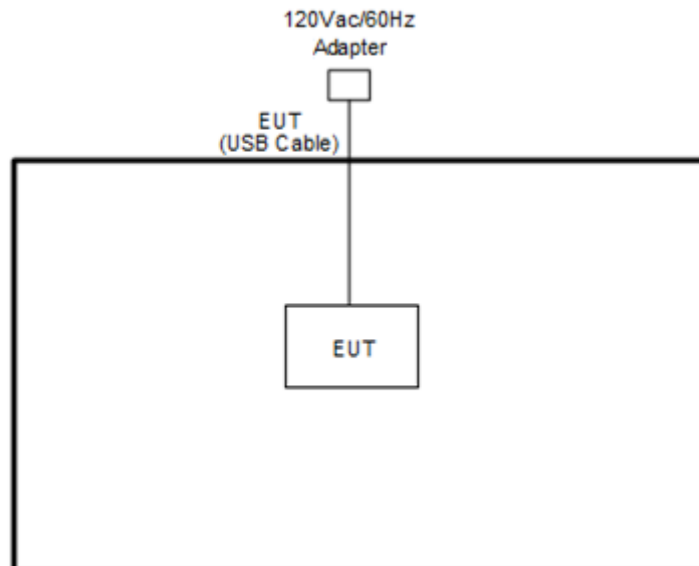


## 2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Brand Name | Model Name    | FCC ID       | Data Cable | Power Cord                                                 |
|------|--------------------|------------|---------------|--------------|------------|------------------------------------------------------------|
| 1.   | Bluetooth Earphone | Sony       | SBH20         | PY7-RD0010   | N/A        | N/A                                                        |
| 2.   | WLAN AP            | ASUS       | RT-AC52       | MSQ-RTAC4A00 | N/A        | Unshielded,1.8m                                            |
| 3.   | Notebook           | DELL       | Latitude 3400 | FCC DoC      | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 4.   | AC Adapter         | Chicony    | G9BR1         | N/A          | N/A        | N/A                                                        |

## 2.5 EUT Operation Test Setup

The RF test items, utility “adb version 1.0.39” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

*Offset(dB) = RF cable loss(dB) + attenuator factor(dB).*

*= 4.2 + 10 = 14.2 (dB)*

### 3 Test Result

#### 3.1 6dB and 99% Bandwidth Measurement

##### 3.1.1 Limit of 6dB and 99% Bandwidth

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

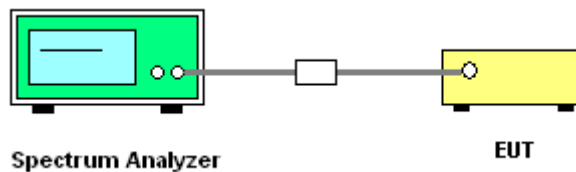
##### 3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

##### 3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\geq 3 * RBW$ .
6. Measure and record the results in the test report.

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.

## 3.2 Output Power Measurement

### 3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

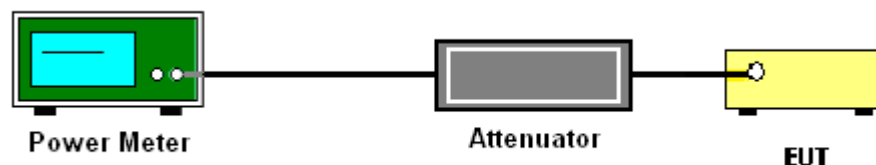
### 3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Measure the conducted output power and record the results in the test report.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Average Output Power

Please refer to Appendix A.

### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band at any time interval of continuous transmission.

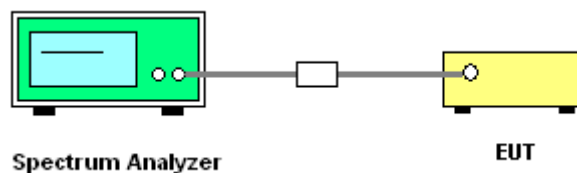
#### 3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.3.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

#### 3.3.4 Test Setup



#### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

## 3.4 Conducted Band Edges and Spurious Emission Measurement

### 3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

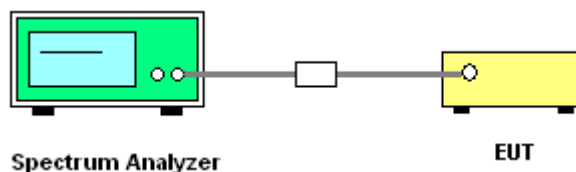
### 3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.4.4 Test Setup



### 3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Please refer to Appendix A.



### 3.5 Radiated Band Edges and Spurious Emission Measurement

#### 3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device is measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490      | 2400/F(kHz)                          | 300                              |
| 0.490 – 1.705      | 24000/F(kHz)                         | 30                               |
| 1.705 – 30.0       | 30                                   | 30                               |
| 30 – 88            | 100                                  | 3                                |
| 88 – 216           | 150                                  | 3                                |
| 216 - 960          | 200                                  | 3                                |
| Above 960          | 500                                  | 3                                |

#### 3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.5.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.

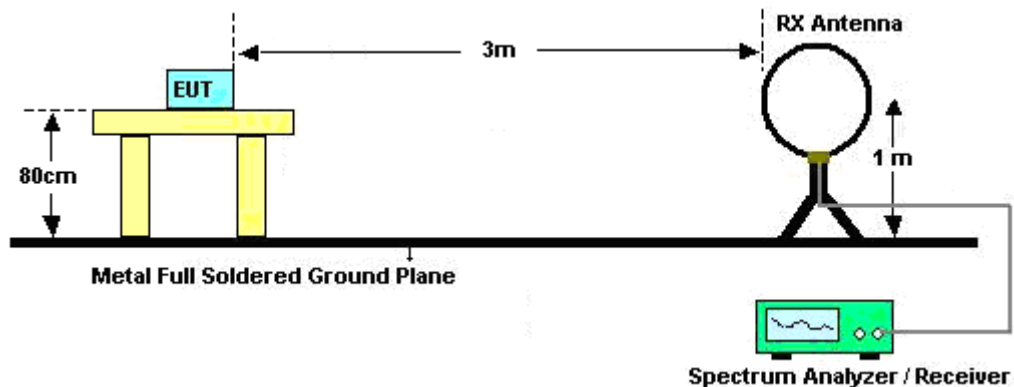
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.
8. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW = 100 kHz for  $f < 1$  GHz; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold;
  - (3) Set RBW = 1 MHz, VBW = 3 MHz for  $f \geq 1$  GHz for peak measurement.

For average measurement:

  - VBW = 10 Hz, when duty cycle is no less than 98 percent.
  - VBW  $\geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

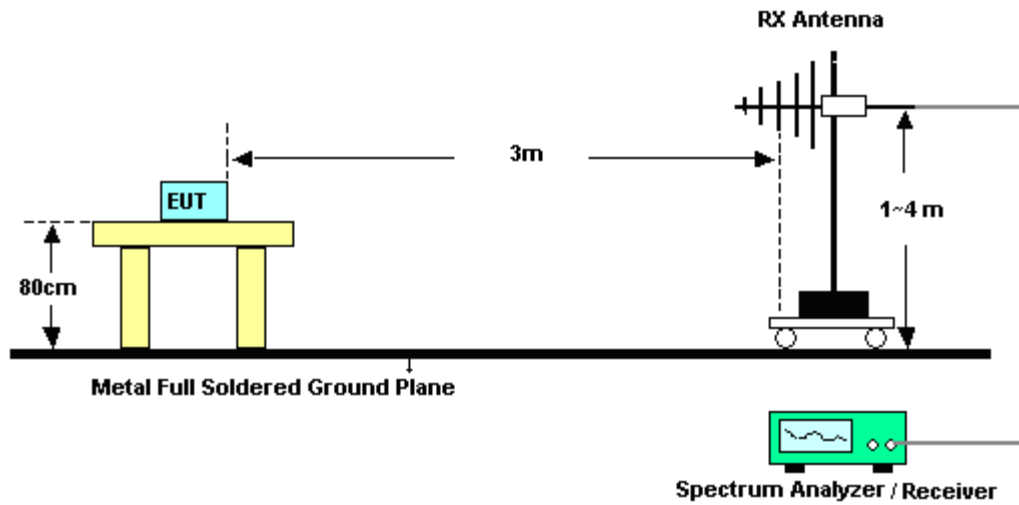
### 3.5.4 Test Setup

For radiated emissions below 30MHz

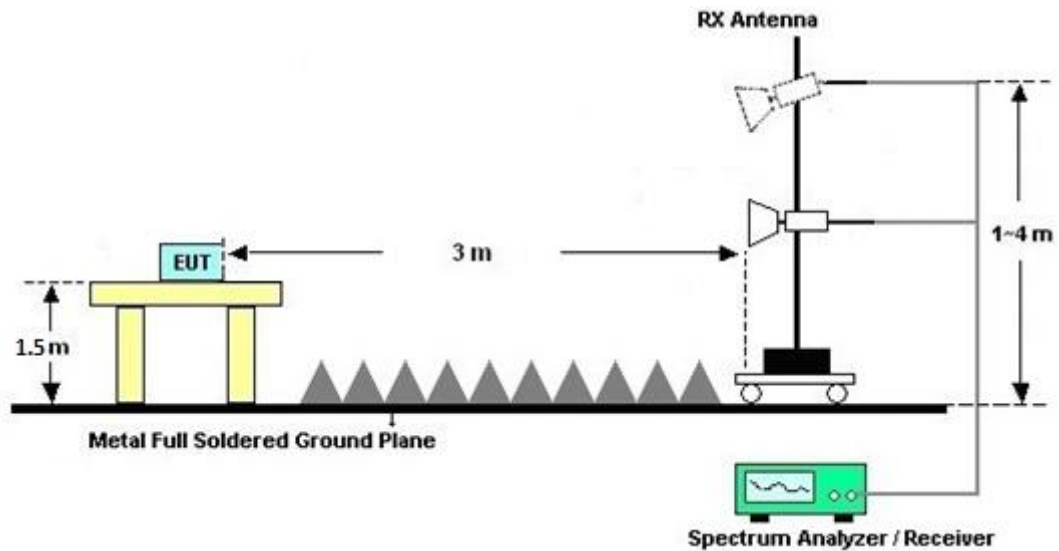




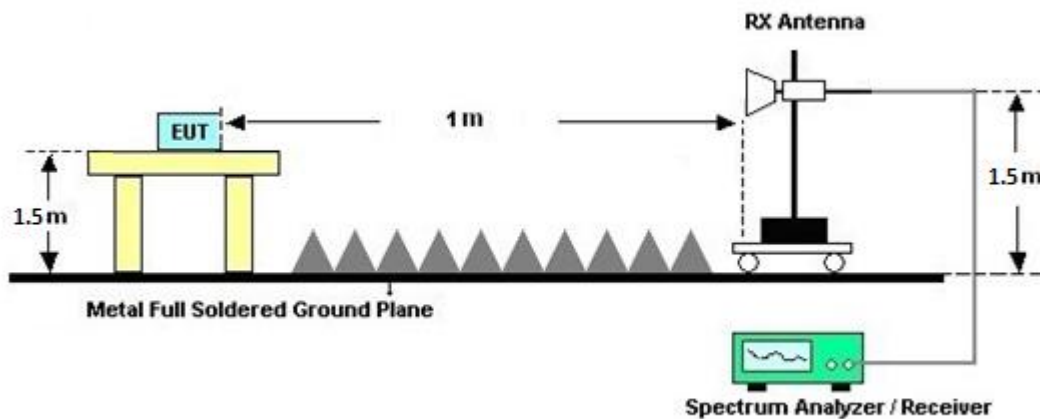
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



**3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)**

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

**3.5.6 Test Result of Radiated Spurious at Band Edges**

Please refer to Appendix C and D.

**3.5.7 Duty Cycle**

Please refer to Appendix E.

**3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)**

Please refer to Appendix C and D.

### 3.6 AC Conducted Emission Measurement

#### 3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of Emission<br>(MHz) | Conducted Limit (dB $\mu$ V) |           |
|--------------------------------|------------------------------|-----------|
|                                | Quasi-Peak                   | Average   |
| 0.15-0.5                       | 66 to 56*                    | 56 to 46* |
| 0.5-5                          | 56                           | 46        |
| 5-30                           | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

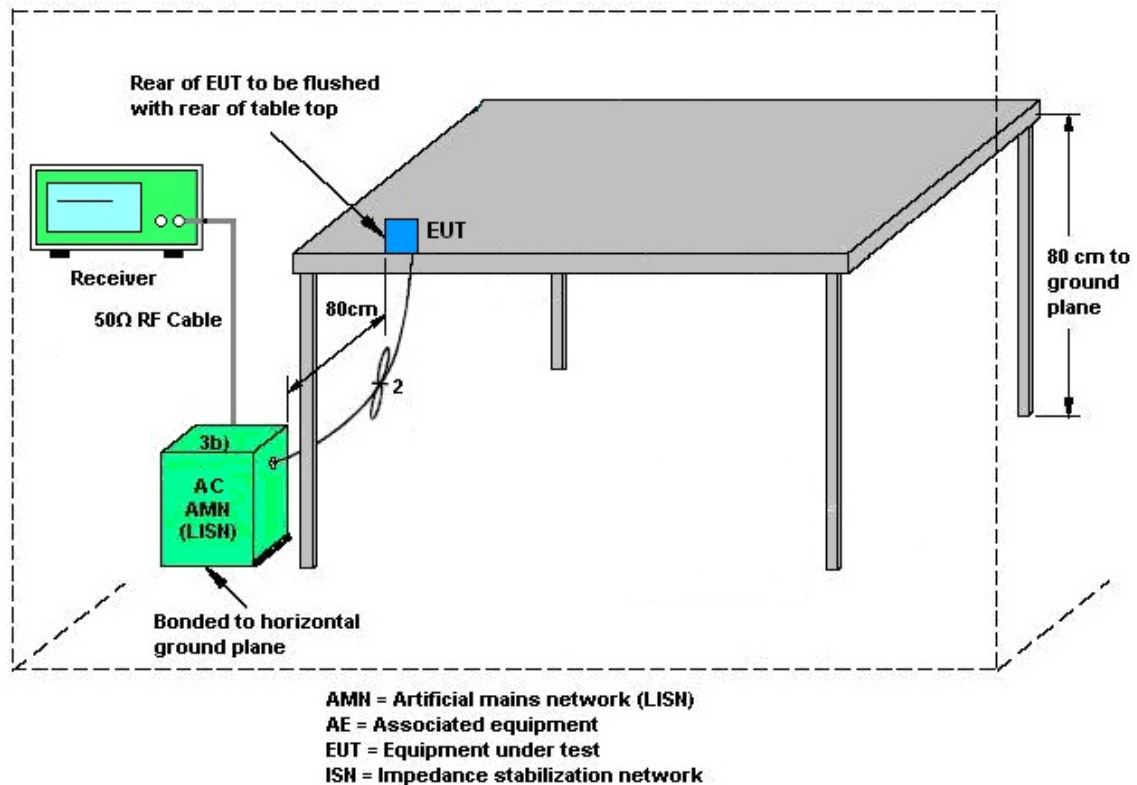
#### 3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.6.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

### 3.6.4 Test Setup



### 3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.7 Antenna Requirements**

### **3.7.1 Standard Applicable**

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 rule.

### **3.7.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.



## 4 List of Measuring Equipment

| Instrument           | Brand Name             | Model No.          | Serial No.           | Characteristics               | Calibration Date | Test Date                       | Due Date      | Remark                |
|----------------------|------------------------|--------------------|----------------------|-------------------------------|------------------|---------------------------------|---------------|-----------------------|
| AC Power Source      | ACPOWER                | AFC-11003G         | F317040033           | N/A                           | N/A              | Mar. 15, 2024                   | N/A           | Conduction (CO07-HY)  |
| Software             | Rohde & Schwarz        | EMC32 V10.30       | N/A                  | N/A                           | N/A              | Mar. 15, 2024                   | N/A           | Conduction (CO07-HY)  |
| Pulse Limiter        | SCHWARZBECK            | VTSD 9561-F N      | 9561-F N00373        | 9kHz~200MHz                   | Oct. 20, 2023    | Mar. 15, 2024                   | Oct. 19, 2024 | Conduction (CO07-HY)  |
| Two-Line V-Network   | TESEQ                  | NNB 51             | 45051                | N/A                           | Mar. 10, 2024    | Mar. 15, 2024                   | Mar. 09, 2025 | Conduction (CO07-HY)  |
| Four-Line V-Network  | TESEQ                  | NNB 52             | 36122                | N/A                           | Mar. 07, 2024    | Mar. 15, 2024                   | Mar. 06, 2025 | Conduction (CO07-HY)  |
| EMI Test Receiver    | Rohde & Schwarz        | ESR3               | 102317               | 9kHz~3.6GHz                   | Sep. 20, 2023    | Mar. 15, 2024                   | Sep. 19, 2024 | Conduction (CO07-HY)  |
| Bilog Antenna        | TESEQ                  | CBL 6111D & N-6-06 | 35414 & AT-N0602     | 30MHz~1GHz                    | Oct. 07, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Oct. 06, 2024 | Radiation (03CH11-HY) |
| Loop Antenna         | Rohde & Schwarz        | HFH2-Z2            | 100488               | 9 kHz~30 MHz                  | Sep. 12, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Sep. 11, 2024 | Radiation (03CH11-HY) |
| Horn Antenna         | SCHWARZBECK            | BBHA 9120 D        | 9120D-01620          | 1GHz~18GHz                    | Aug. 17, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Aug. 16, 2024 | Radiation (03CH11-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK            | BBHA 9170          | 1223                 | 18GHz~40GHz                   | Jul. 10, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Jul. 09, 2024 | Radiation (03CH11-HY) |
| Amplifier            | SONOMA                 | 310N               | 187312               | 9kHz~1GHz                     | Dec. 08, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Dec. 07, 2024 | Radiation (03CH11-HY) |
| Preamplifier         | E-INSTRUMENT TECH LTD. | ERA-10M-7000-MR    | EC1900245            | 10MHz~7GHz                    | Jan. 09, 2024    | Feb. 22, 2024~<br>Mar. 26, 2024 | Jan. 08, 2025 | Radiation (03CH11-HY) |
| Preamplifier         | Jet-Power              | JPA0118-55-303     | 17100018000<br>55007 | 1GHz~18GHz                    | Jun. 14, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Jun. 13, 2024 | Radiation (03CH11-HY) |
| Preamplifier         | EMEC                   | EM18G40G           | 060801               | 18GHz~40GHz                   | Jun. 27, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Jun. 26, 2024 | Radiation (03CH11-HY) |
| Spectrum Analyzer    | Keysight               | N9010A             | MY54200486           | 10Hz~44GHz                    | Oct. 05, 2023    | Feb. 22, 2024~<br>Mar. 26, 2024 | Oct. 04, 2024 | Radiation (03CH11-HY) |
| Controller           | EMEC                   | EM 1000            | N/A                  | Control Turn table & Ant Mast | N/A              | Feb. 22, 2024~<br>Mar. 26, 2024 | N/A           | Radiation (03CH11-HY) |
| Antenna Mast         | EMEC                   | AM-BS-4500-B       | N/A                  | 1~4m                          | N/A              | Feb. 22, 2024~<br>Mar. 26, 2024 | N/A           | Radiation (03CH11-HY) |
| Turn Table           | EMEC                   | TT 2000            | N/A                  | 0~360 Degree                  | N/A              | Feb. 22, 2024~<br>Mar. 26, 2024 | N/A           | Radiation (03CH11-HY) |
| Software             | Audix                  | E3 6.2009-8-24     | RK-001053            | N/A                           | N/A              | Feb. 22, 2024~<br>Mar. 26, 2024 | N/A           | Radiation (03CH11-HY) |



| Instrument      | Brand Name      | Model No.                   | Serial No.             | Characteristics       | Calibration Date | Test Date                   | Due Date      | Remark                |
|-----------------|-----------------|-----------------------------|------------------------|-----------------------|------------------|-----------------------------|---------------|-----------------------|
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | MY1595/2               | 30MHz~40GHz           | Mar. 07, 2023    | Feb. 22, 2024~Mar. 05, 2024 | Mar. 06, 2024 | Radiation (03CH11-HY) |
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | MY1595/2               | 30MHz~40GHz           | Mar. 06, 2024    | Mar. 06, 2024~Mar. 26, 2024 | Mar. 05, 2025 | Radiation (03CH11-HY) |
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | MY2859/2               | 30MHz~40GHz           | Mar. 07, 2023    | Feb. 22, 2024~Mar. 05, 2024 | Mar. 06, 2024 | Radiation (03CH11-HY) |
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | MY2859/2               | 30MHz~40GHz           | Mar. 06, 2024    | Mar. 06, 2024~Mar. 26, 2024 | Mar. 05, 2025 | Radiation (03CH11-HY) |
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | 803951/2               | 9K~30M                | Mar. 07, 2023    | Feb. 22, 2024~Mar. 05, 2024 | Mar. 06, 2024 | Radiation (03CH11-HY) |
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | 803951/2               | 9K~30M                | Mar. 06, 2024    | Mar. 06, 2024~Mar. 26, 2024 | Mar. 05, 2025 | Radiation (03CH11-HY) |
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | 803951/2               | 30M~40G               | Mar. 07, 2023    | Feb. 22, 2024~Mar. 05, 2024 | Mar. 06, 2024 | Radiation (03CH11-HY) |
| RF Cable        | HUBER + SUHNER  | SUCOFLEX 102                | 803951/2               | 30M~40G               | Mar. 06, 2024    | Mar. 06, 2024~Mar. 26, 2024 | Mar. 05, 2025 | Radiation (03CH11-HY) |
| Filter          | Wainwright      | WLK4-1000-1530-8000-40SS    | SN11                   | 1.53G Low Pass        | Sep. 11, 2023    | Feb. 22, 2024~Mar. 26, 2024 | Sep. 10, 2024 | Radiation (03CH11-HY) |
| Filter          | Wainwright      | WHKX12-2700-3000-18000-60SS | SN3                    | 3GHz High Pass Filter | Sep. 11, 2023    | Feb. 22, 2024~Mar. 26, 2024 | Sep. 10, 2024 | Radiation (03CH11-HY) |
| Hygrometer      | TECEPEL         | DTM-303A                    | TP201996               | N/A                   | Nov. 07, 2023    | Feb. 08, 2024~Mar. 07, 2024 | Nov. 06, 2024 | Conducted (TH05-HY)   |
| Power Sensor    | DARE            | RPR3006W                    | 15I00041SNO10 (NO:248) | 10MHz~6GHz            | Jun. 05, 2023    | Feb. 08, 2024~Mar. 07, 2024 | Jun. 04, 2024 | Conducted (TH05-HY)   |
| Signal Analyzer | Rohde & Schwarz | FSV40                       | 101566                 | 10Hz~40GHz            | Aug. 23, 2023    | Feb. 08, 2024~Mar. 07, 2024 | Aug. 22, 2024 | Conducted (TH05-HY)   |

## 5 Measurement Uncertainty

### Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.44 dB |
|-------------------------------------------------------------------------|---------|

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.1 dB |
|-------------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.3 dB |
|-------------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.3 dB |
|-------------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.3 dB |
|-------------------------------------------------------------------------|--------|



**Appendix A. Test Result of Conducted Test Items**

|                |                   |                    |       |    |
|----------------|-------------------|--------------------|-------|----|
| Test Engineer: | Willy Chang       | Temperature:       | 21~25 | °C |
| Test Date:     | 2024/2/8~2024/3/7 | Relative Humidity: | 51~54 | %  |

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

| 2.4GHz Band Single Antenna |           |                 |     |             |                       |              |                    |           |
|----------------------------|-----------|-----------------|-----|-------------|-----------------------|--------------|--------------------|-----------|
| Mod.                       | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Occupied BW (MHz) | 6dB BW (MHz) | 6dB BW Limit (MHz) | Pass/Fail |
|                            |           |                 |     |             | Ant1                  | Ant1         |                    |           |
| 11b                        | 1Mbps     | 1               | 1   | 2412        | 13.24                 | 8.55         | 0.50               | Pass      |
| 11b                        | 1Mbps     | 1               | 6   | 2437        | 13.19                 | 8.06         | 0.50               | Pass      |
| 11b                        | 1Mbps     | 1               | 11  | 2462        | 13.19                 | 8.53         | 0.50               | Pass      |
| 11g                        | 6Mbps     | 1               | 1   | 2412        | 17.33                 | 16.33        | 0.50               | Pass      |
| 11g                        | 6Mbps     | 1               | 6   | 2437        | 17.28                 | 16.34        | 0.50               | Pass      |
| 11g                        | 6Mbps     | 1               | 11  | 2462        | 17.28                 | 16.34        | 0.50               | Pass      |
| HT20                       | MCS0      | 1               | 1   | 2412        | 18.38                 | 17.57        | 0.50               | Pass      |
| HT20                       | MCS0      | 1               | 6   | 2437        | 18.43                 | 17.59        | 0.50               | Pass      |
| HT20                       | MCS0      | 1               | 11  | 2462        | 18.33                 | 17.58        | 0.50               | Pass      |

**TEST RESULTS DATA**  
**Average Output Power**

| 2.4GHz Band Single Antenna |           |                 |     |             |                               |     |                             |          |                  |                        |            |
|----------------------------|-----------|-----------------|-----|-------------|-------------------------------|-----|-----------------------------|----------|------------------|------------------------|------------|
| Mod.                       | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Average Conducted Power (dBm) |     | Conducted Power Limit (dBm) | DG (dBi) | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
|                            |           |                 |     |             | Ant1                          | SUM |                             |          |                  |                        |            |
| 11b                        | 1Mbps     | 1               | 1   | 2412        | 18.40                         |     | 30.00                       | -6.10    | 12.30            | 36.00                  | Pass       |
| 11b                        | 1Mbps     | 1               | 6   | 2437        | 18.40                         |     | 30.00                       | -6.10    | 12.30            | 36.00                  | Pass       |
| 11b                        | 1Mbps     | 1               | 11  | 2462        | 18.00                         |     | 30.00                       | -6.10    | 11.90            | 36.00                  | Pass       |
| 11g                        | 6Mbps     | 1               | 1   | 2412        | 18.10                         |     | 30.00                       | -6.10    | 12.00            | 36.00                  | Pass       |
| 11g                        | 6Mbps     | 1               | 6   | 2437        | 18.20                         |     | 30.00                       | -6.10    | 12.10            | 36.00                  | Pass       |
| 11g                        | 6Mbps     | 1               | 11  | 2462        | 18.40                         |     | 30.00                       | -6.10    | 12.30            | 36.00                  | Pass       |
| HT20                       | MCS0      | 1               | 1   | 2412        | 18.20                         |     | 30.00                       | -6.10    | 12.10            | 36.00                  | Pass       |
| HT20                       | MCS0      | 1               | 6   | 2437        | 18.30                         |     | 30.00                       | -6.10    | 12.20            | 36.00                  | Pass       |
| HT20                       | MCS0      | 1               | 11  | 2462        | 18.00                         |     | 30.00                       | -6.10    | 11.90            | 36.00                  | Pass       |

Note: Measured power (dBm) has offset with cable loss.

**TEST RESULTS DATA**  
**Peak Power Spectral Density**

| 2.4GHz Band Single Antenna |           |     |     |             |                     |              |          |                           |           |
|----------------------------|-----------|-----|-----|-------------|---------------------|--------------|----------|---------------------------|-----------|
| Mod.                       | Data Rate | NTX | CH. | Freq. (MHz) | Peak PSD (dBm/3kHz) |              | DG (dBi) | Peak PSD Limit (dBm/3kHz) | Pass/Fail |
|                            |           |     |     |             | Ant1                | Worse + 3.01 | Ant1     | Ant1                      |           |
| 11b                        | 1Mbps     | 1   | 1   | 2412        | -3.07               |              | -6.10    | 8.00                      | Pass      |
| 11b                        | 1Mbps     | 1   | 6   | 2437        | -3.88               |              | -6.10    | 8.00                      | Pass      |
| 11b                        | 1Mbps     | 1   | 11  | 2462        | -4.38               |              | -6.10    | 8.00                      | Pass      |
| 11g                        | 6Mbps     | 1   | 1   | 2412        | -7.72               |              | -6.10    | 8.00                      | Pass      |
| 11g                        | 6Mbps     | 1   | 6   | 2437        | -7.85               |              | -6.10    | 8.00                      | Pass      |
| 11g                        | 6Mbps     | 1   | 11  | 2462        | -7.24               |              | -6.10    | 8.00                      | Pass      |
| HT20                       | MCS0      | 1   | 1   | 2412        | -7.51               |              | -6.10    | 8.00                      | Pass      |
| HT20                       | MCS0      | 1   | 6   | 2437        | -8.01               |              | -6.10    | 8.00                      | Pass      |
| HT20                       | MCS0      | 1   | 11  | 2462        | -7.87               |              | -6.10    | 8.00                      | Pass      |

Measured power density (dBm) has offset with cable loss.

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

| 2.4GHz Band Single Antenna |           |                 |     |             |            |                       |              |                    |           |
|----------------------------|-----------|-----------------|-----|-------------|------------|-----------------------|--------------|--------------------|-----------|
| Mod.                       | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config. | 99% Occupied BW (MHz) | 6dB BW (MHz) | 6dB BW Limit (MHz) | Pass/Fail |
|                            |           |                 |     |             |            | Ant1                  | Ant1         |                    |           |
| HE20                       | MCS0      | 1               | 1   | 2412        | Full       | 19.23                 | 18.98        | 0.50               | Pass      |
| HE20                       | MCS0      | 1               | 6   | 2437        | Full       | 19.23                 | 18.99        | 0.50               | Pass      |
| HE20                       | MCS0      | 1               | 11  | 2462        | Full       | 19.13                 | 19.00        | 0.50               | Pass      |

**TEST RESULTS DATA**  
**Average Output Power**

| 2.4GHz Band Single Antenna |           |                 |     |             |            |                               |     |                             |          |                  |                        |            |
|----------------------------|-----------|-----------------|-----|-------------|------------|-------------------------------|-----|-----------------------------|----------|------------------|------------------------|------------|
| Mod.                       | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config. | Average Conducted Power (dBm) |     | Conducted Power Limit (dBm) | DG (dBi) | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
|                            |           |                 |     |             |            | Ant1                          | SUM |                             |          |                  |                        |            |
| HE20                       | MCS0      | 1               | 1   | 2412        | Full       | 18.00                         |     | 30.00                       | -6.10    | 11.90            | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 26/0       | 10.70                         |     | 30.00                       | -6.10    | 4.60             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 52/37      | 12.90                         |     | 30.00                       | -6.10    | 6.80             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 1   | 2412        | 106/53     | 15.20                         |     | 30.00                       | -6.10    | 9.10             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 6   | 2437        | Full       | 18.30                         |     | 30.00                       | -6.10    | 12.20            | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 6   | 2437        | 26/4       | 10.80                         |     | 30.00                       | -6.10    | 4.70             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 6   | 2437        | 52/38      | 12.60                         |     | 30.00                       | -6.10    | 6.50             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 6   | 2437        | 106/53     | 14.60                         |     | 30.00                       | -6.10    | 8.50             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | Full       | 16.60                         |     | 30.00                       | -6.10    | 10.50            | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 26/8       | 8.90                          |     | 30.00                       | -6.10    | 2.80             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 52/40      | 10.90                         |     | 30.00                       | -6.10    | 4.80             | 36.00                  | Pass       |
| HE20                       | MCS0      | 1               | 11  | 2462        | 106/54     | 13.40                         |     | 30.00                       | -6.10    | 7.30             | 36.00                  | Pass       |

Note: Measured power (dBm) has offset with cable loss.

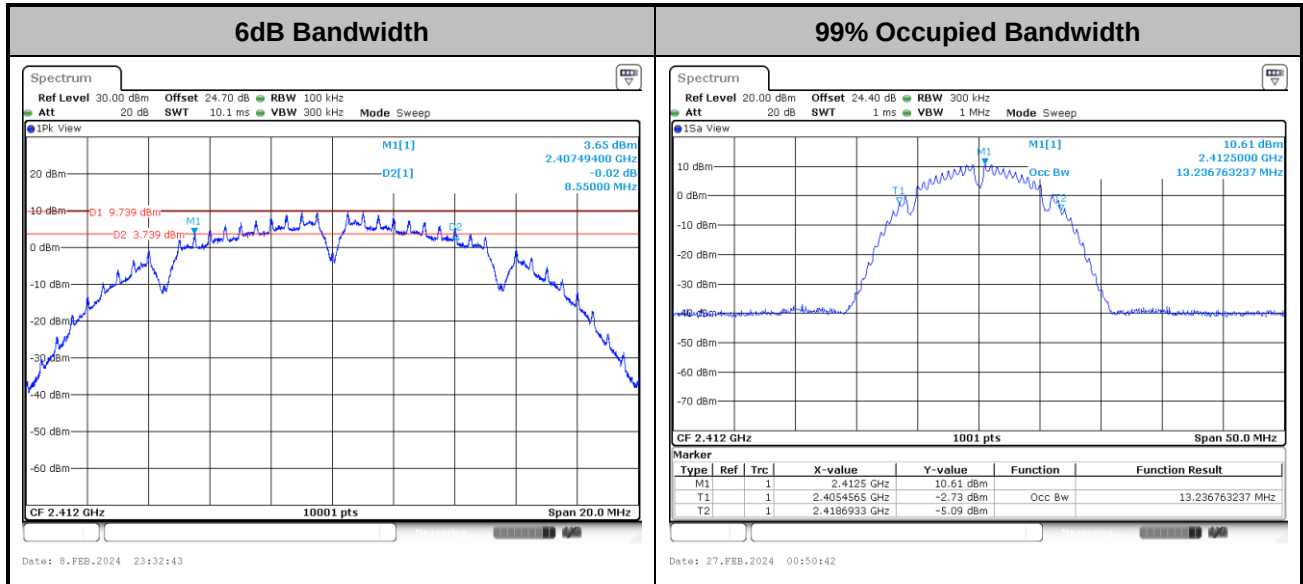
**TEST RESULTS DATA**  
**Peak Power Spectral Density**

| 2.4GHz Band Single Antenna |           |     |     |             |            |                     |              |          |                           |           |
|----------------------------|-----------|-----|-----|-------------|------------|---------------------|--------------|----------|---------------------------|-----------|
| Mod.                       | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Peak PSD (dBm/3kHz) |              | DG (dBi) | Peak PSD Limit (dBm/3kHz) | Pass/Fail |
|                            |           |     |     |             |            | Ant1                | Worse + 3.01 | Ant1     | Ant1                      |           |
| HE20                       | MCS0      | 1   | 1   | 2412        | Full       | -7.27               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 1   | 2412        | 26/0       | -7.33               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 1   | 2412        | 52/37      | -7.56               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 1   | 2412        | 106/53     | -7.86               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 6   | 2437        | Full       | -7.69               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 6   | 2437        | 26/4       | -7.88               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 6   | 2437        | 52/38      | -7.76               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 6   | 2437        | 106/53     | -8.11               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 11  | 2462        | Full       | -8.75               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 11  | 2462        | 26/8       | -9.28               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 11  | 2462        | 52/40      | -9.11               |              | -6.10    | 8.00                      | Pass      |
| HE20                       | MCS0      | 1   | 11  | 2462        | 106/54     | -9.29               |              | -6.10    | 8.00                      | Pass      |

Measured power density (dBm) has offset with cable loss.

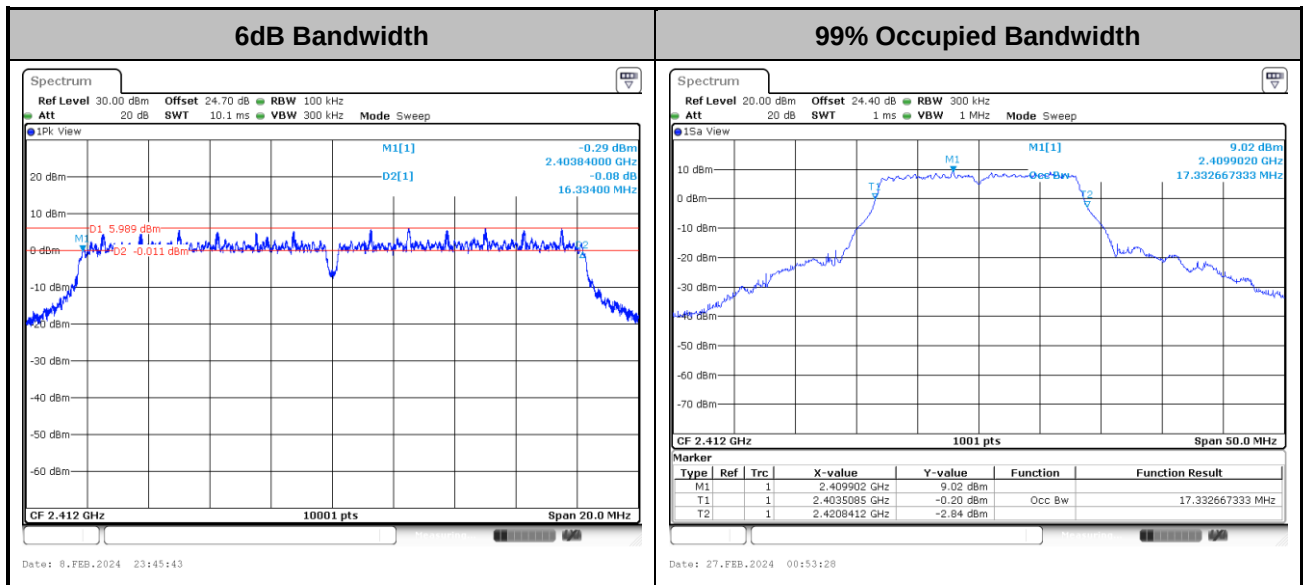
**6dB and 99% Occupied Bandwidth**

&lt;802.11b&gt;



**Note:** The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

&lt;802.11g&gt;

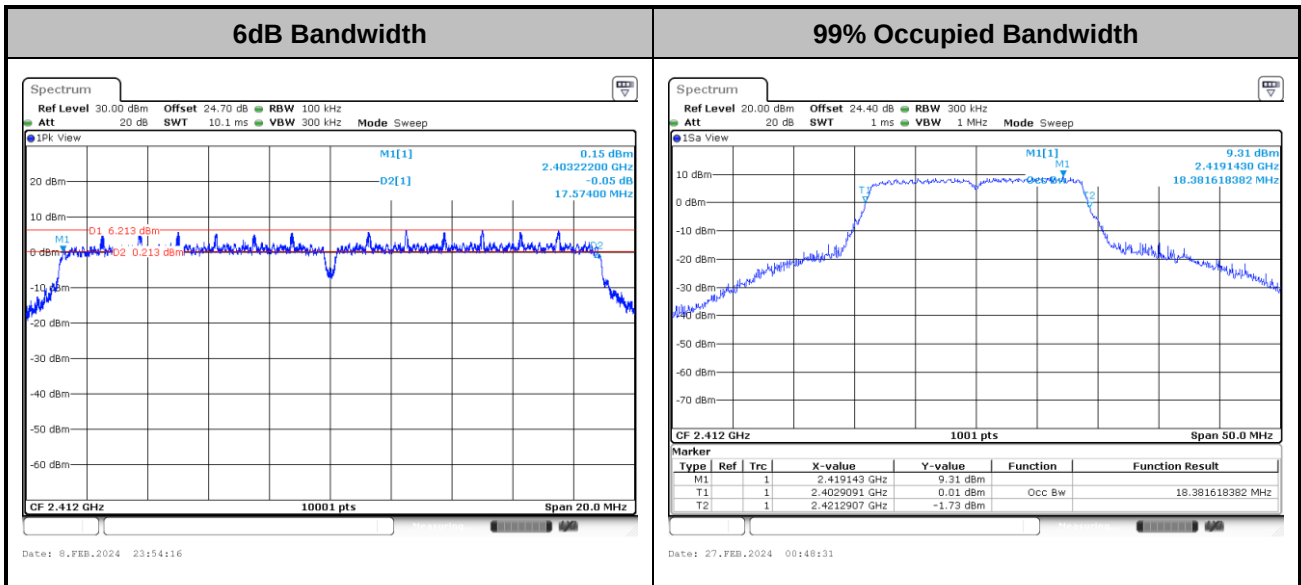


**Note:** The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

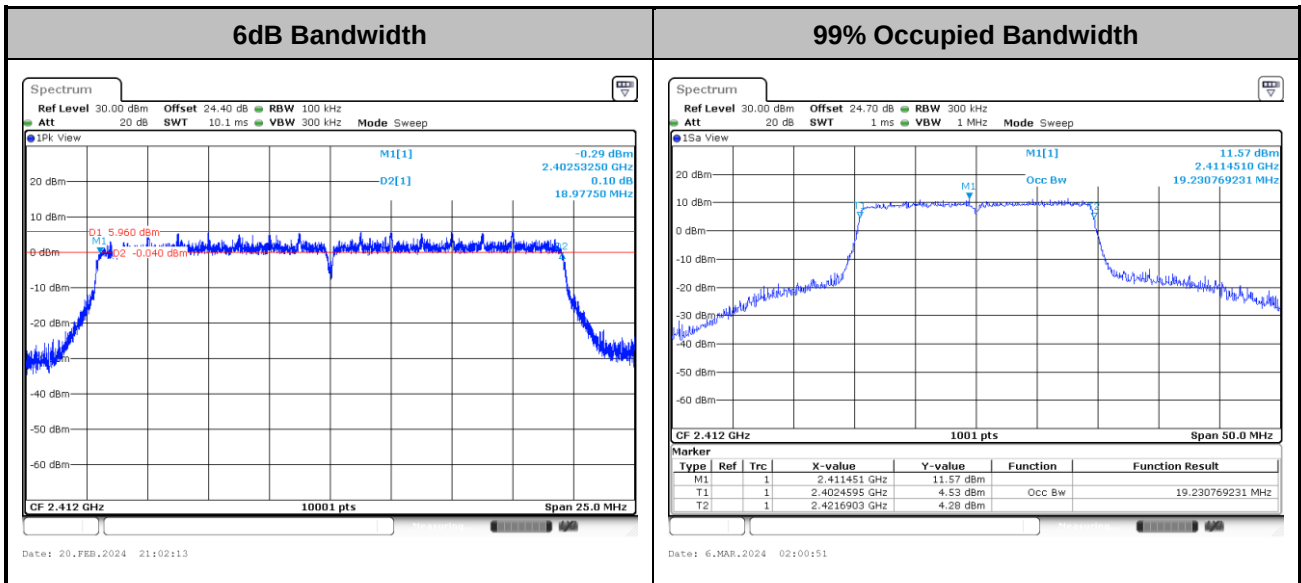




## &lt;802.11n HT20&gt;



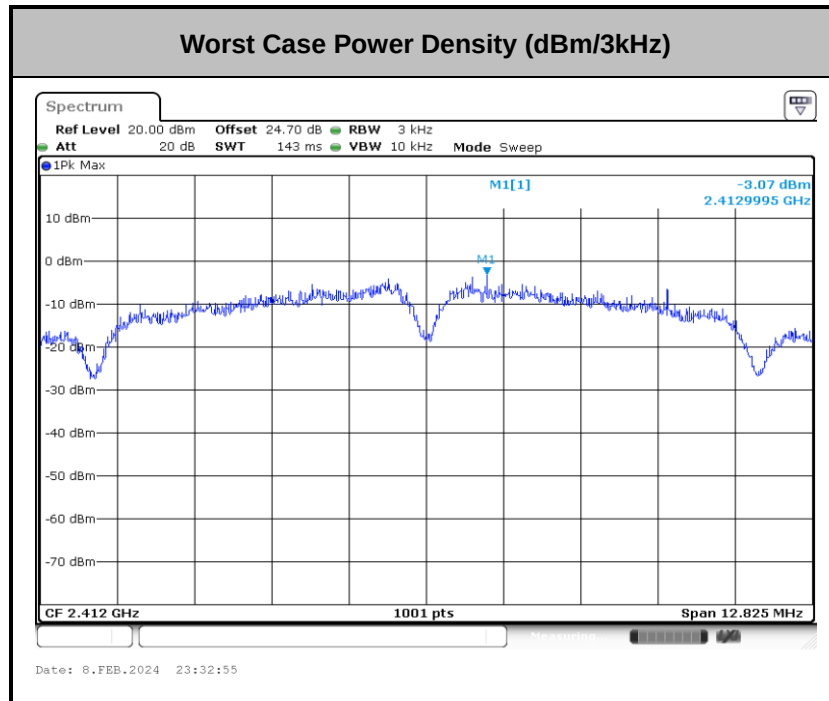
## &lt;802.11ax HE20&gt;



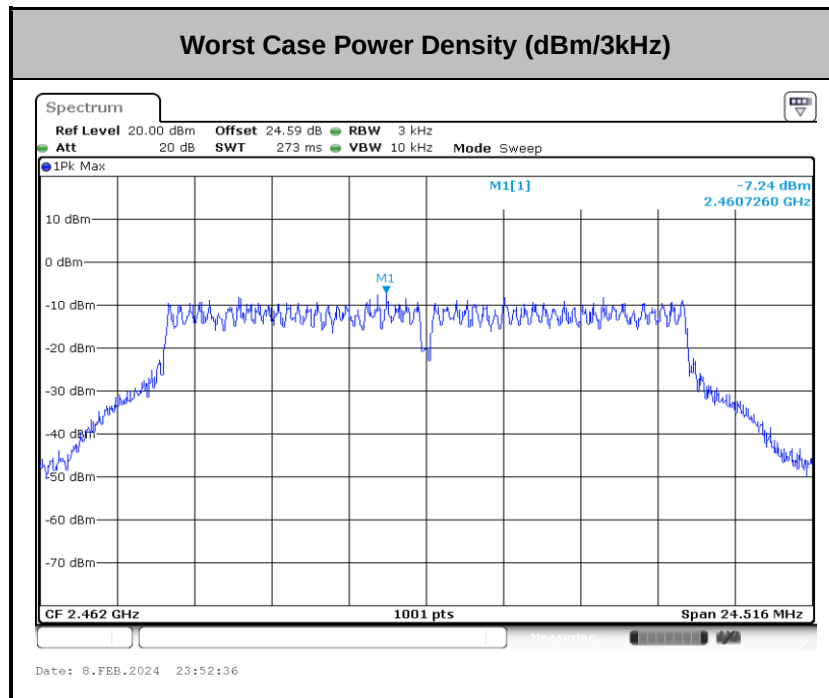


Power Spectral Density(dBm/3kHz)

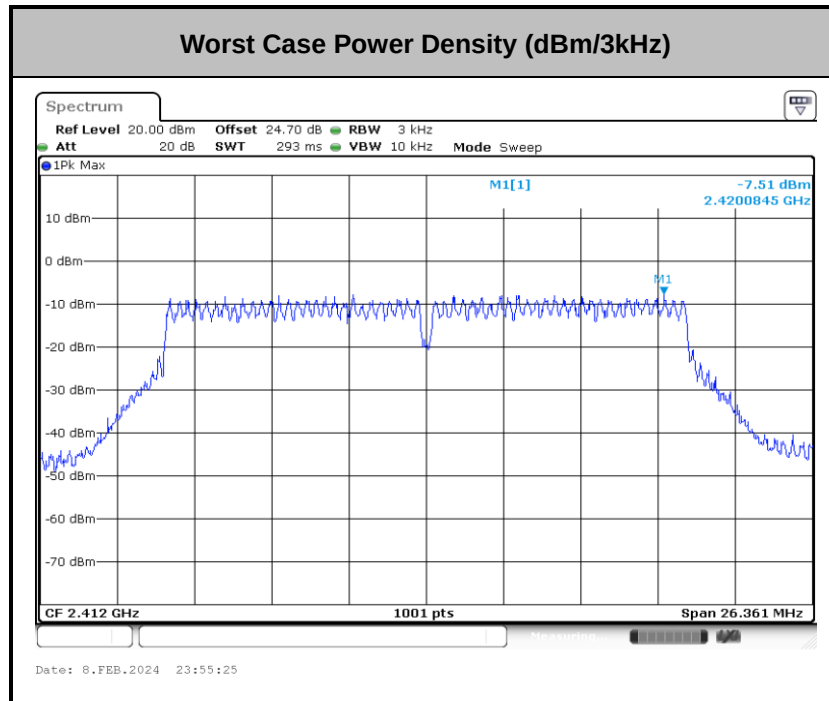
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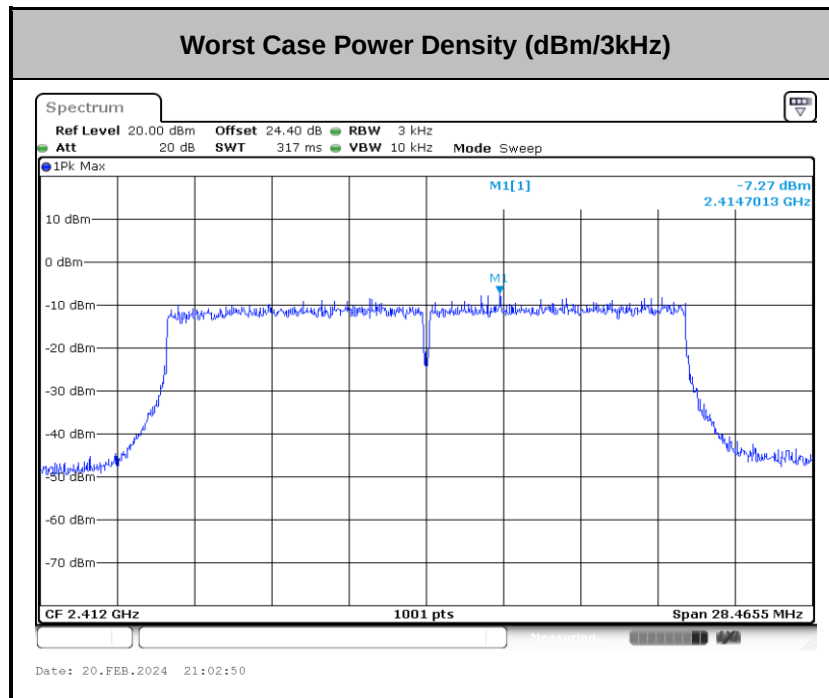
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<802.11ax HE20>



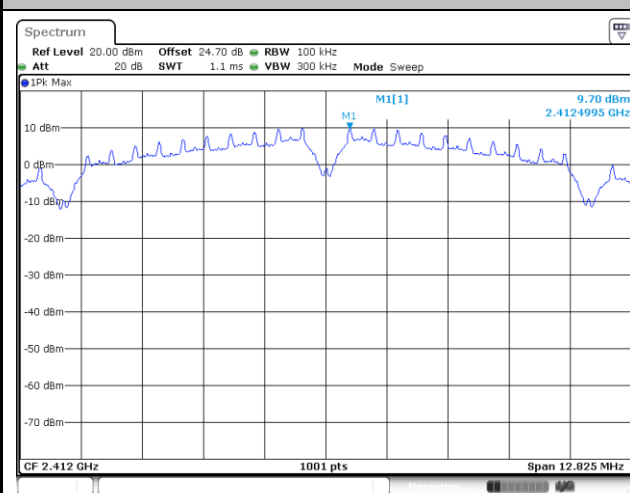
**Band Edges and Spurious Emission**

Number of TX = 1, Ant. 1 (Measured)

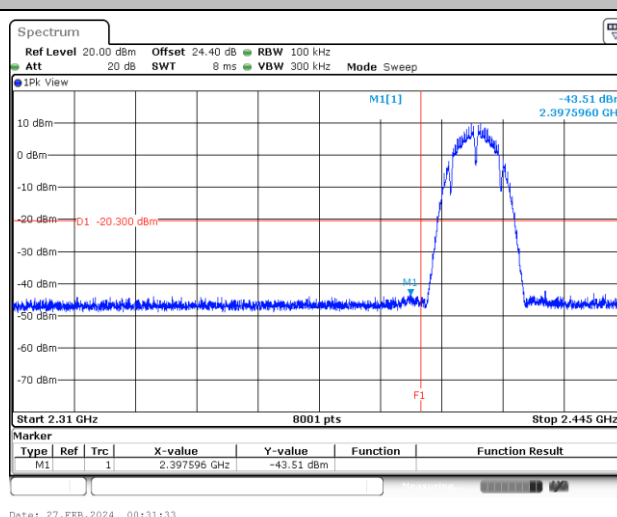
Test Mode : 802.11b

Test Channel : 01

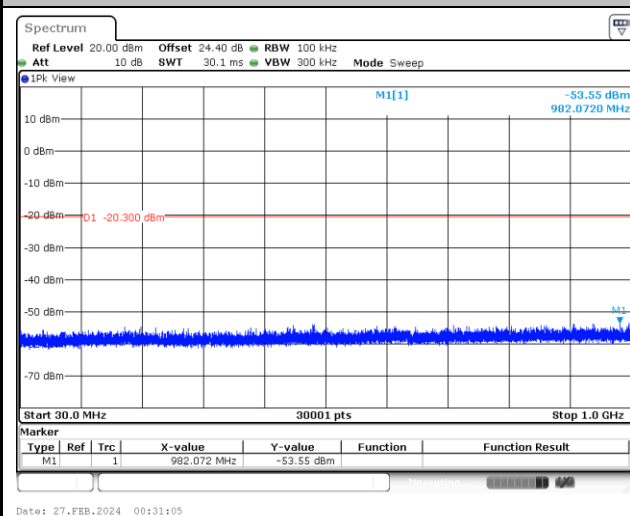
100kHz PSD reference Level



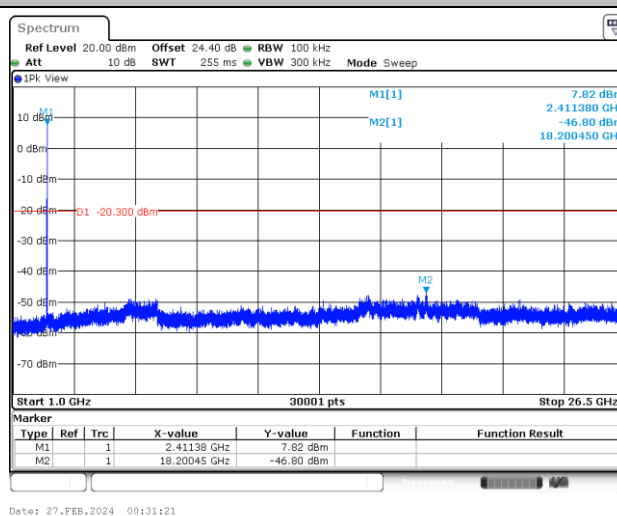
Low Channel Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

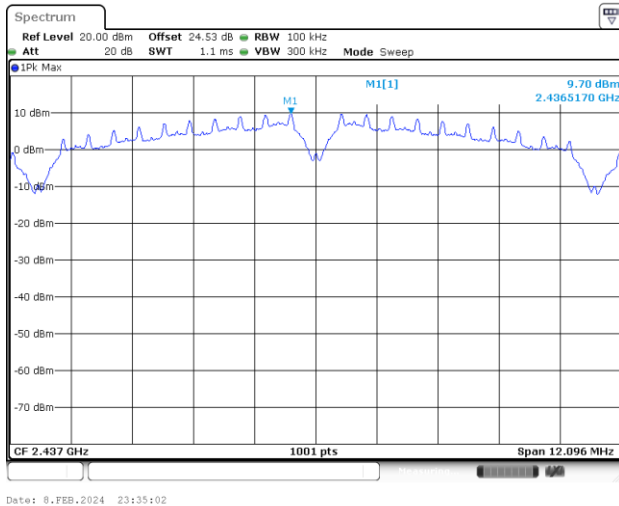




Test Mode : 802.11b

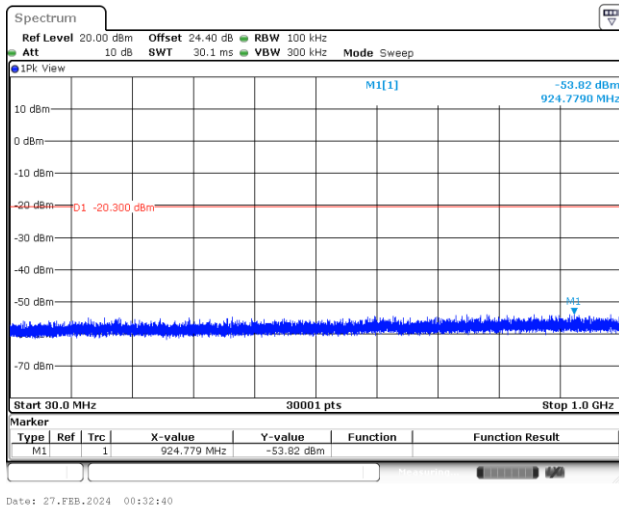
Test Channel : 06

## 100kHz PSD reference Level

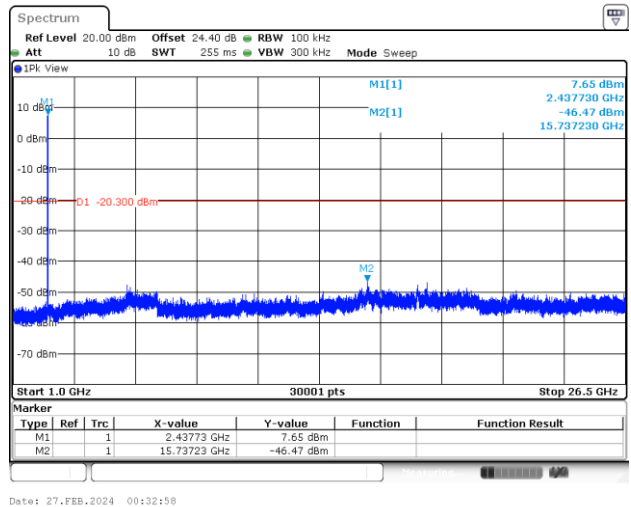


## Middle Channel Plot

## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

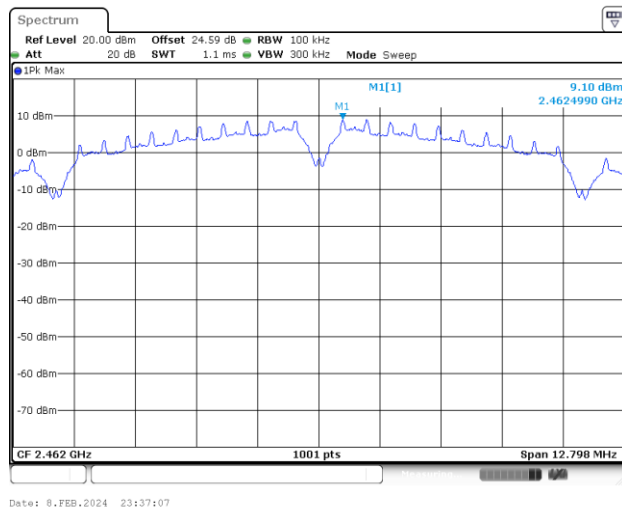




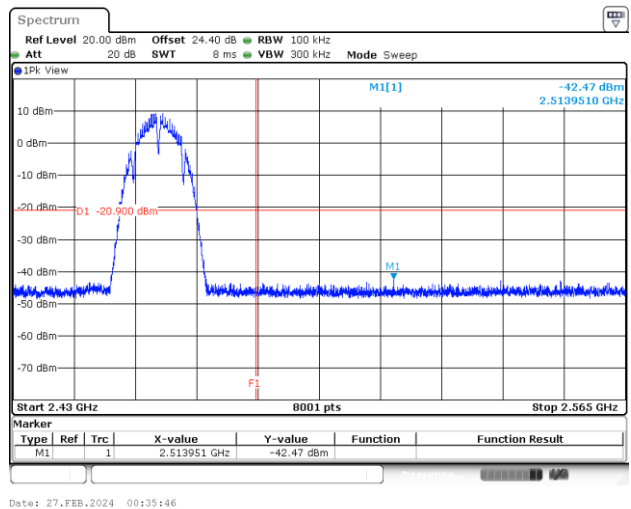
Test Mode : 802.11b

Test Channel : 11

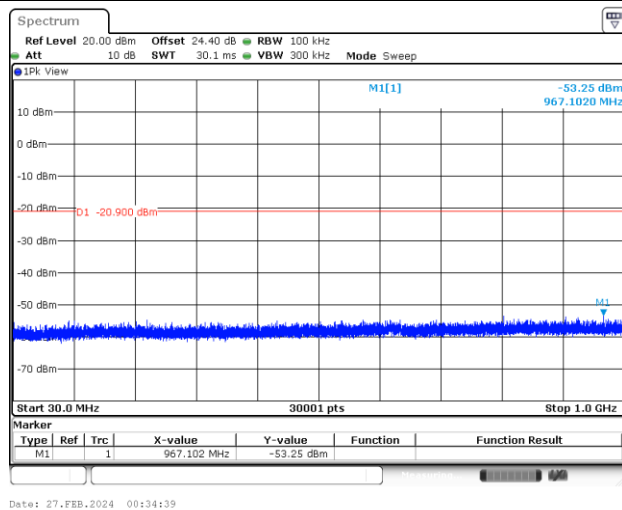
## 100kHz PSD reference Level



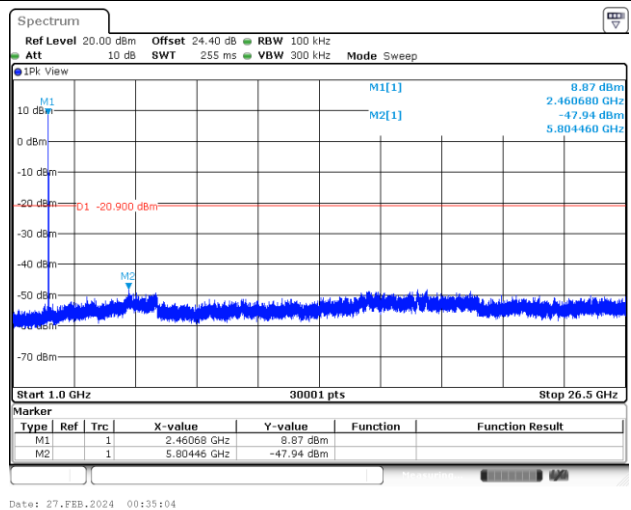
## High Channel Plot



## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

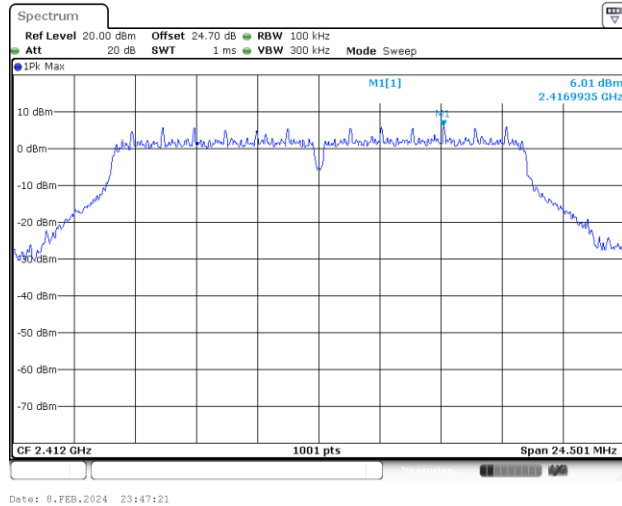




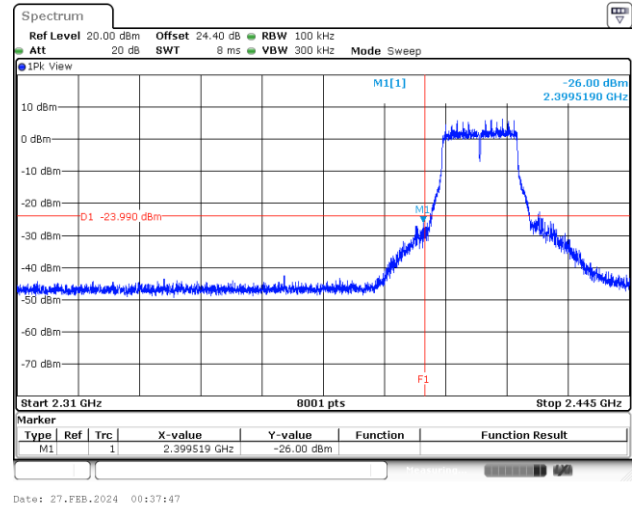
Test Mode : 802.11g

Test Channel : 01

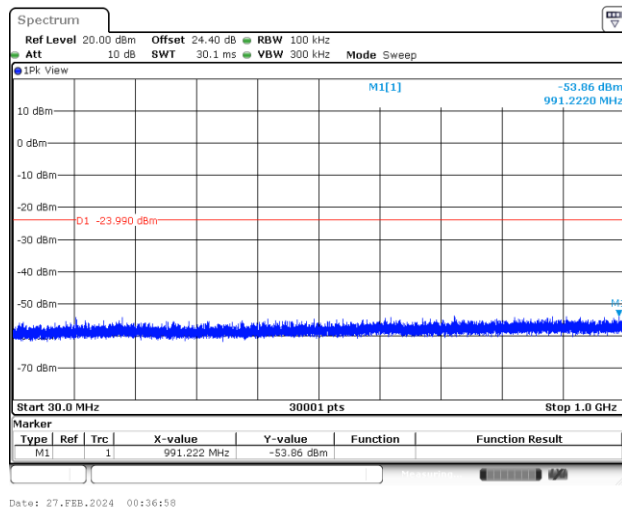
## 100kHz PSD reference Level



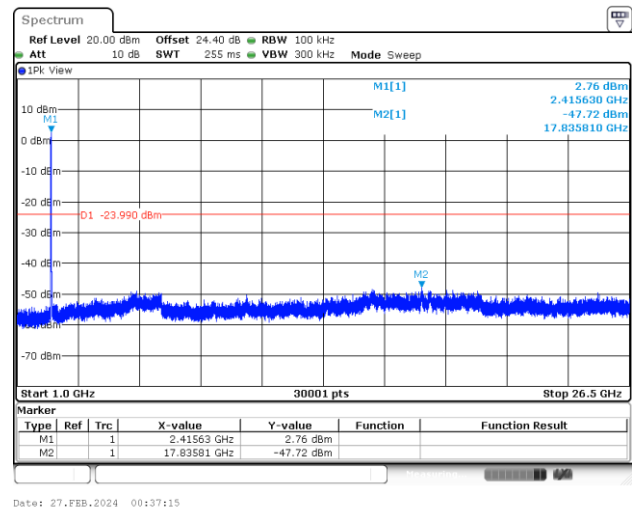
## Low Channel Plot



## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

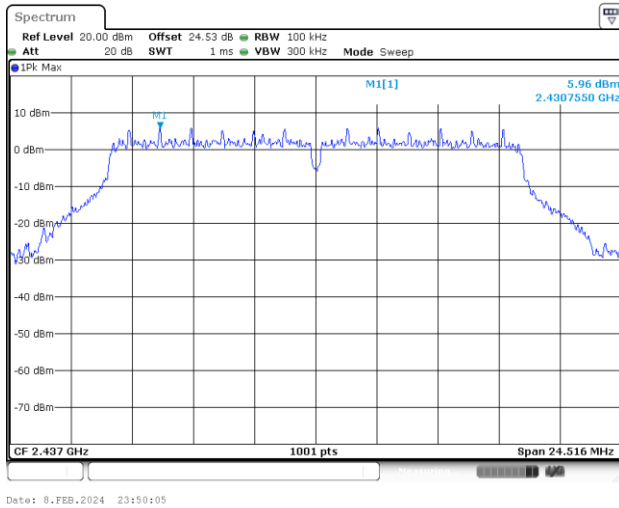




Test Mode : 802.11g

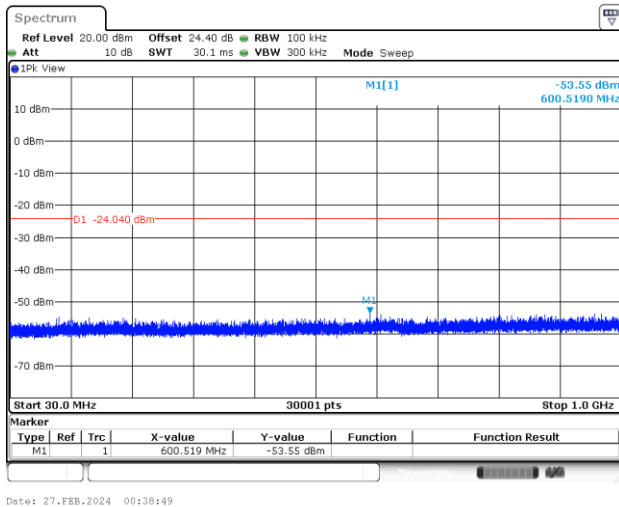
Test Channel : 06

## 100kHz PSD reference Level

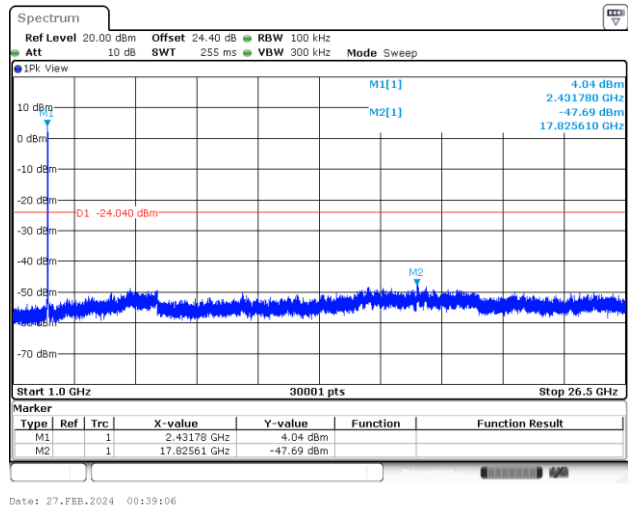


## Middle Channel Plot

## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz



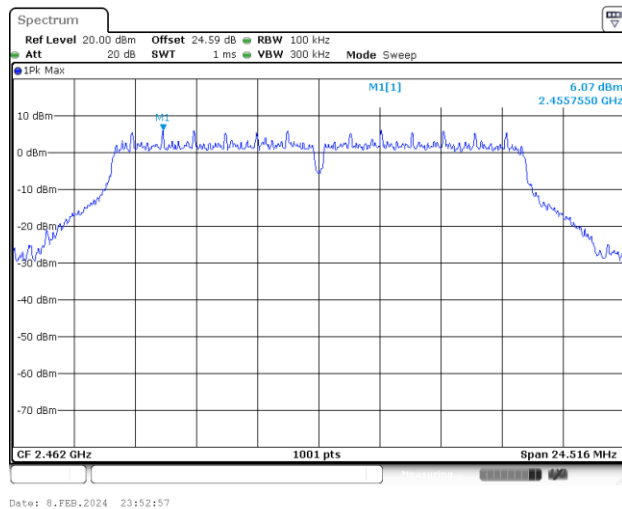




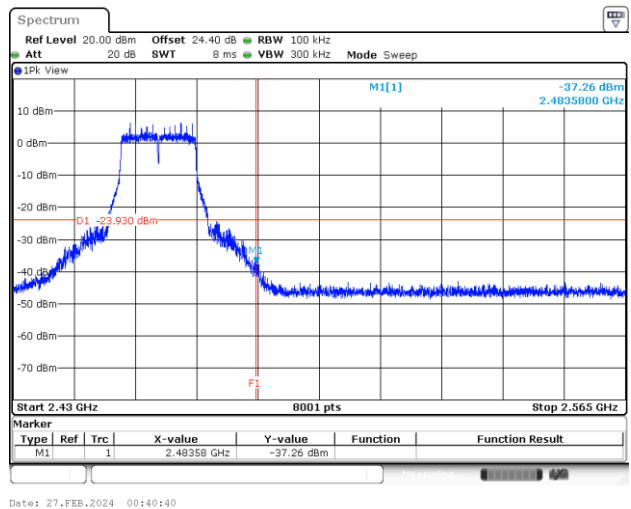
Test Mode : 802.11g

Test Channel : 11

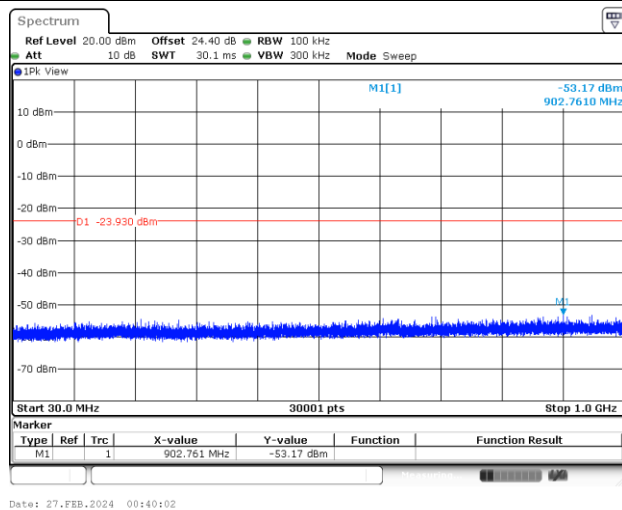
## 100kHz PSD reference Level



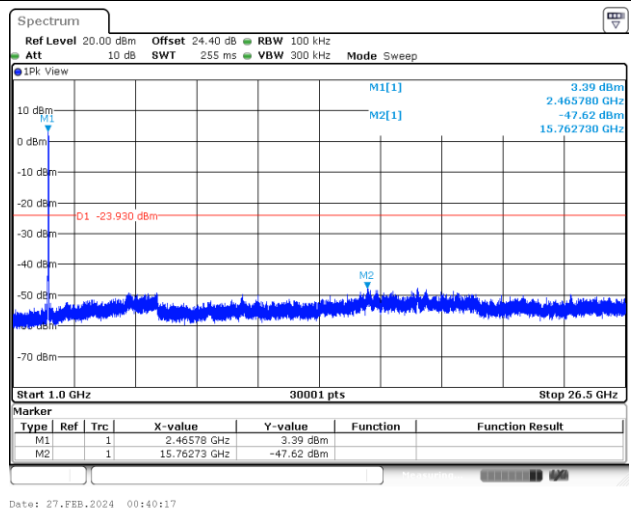
## High Channel Plot



## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

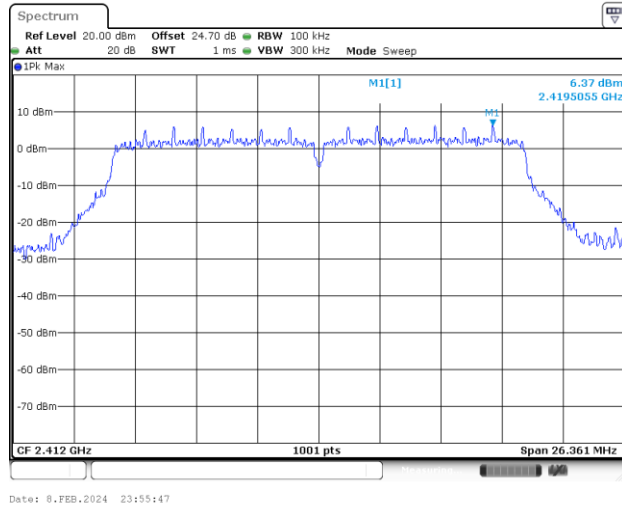




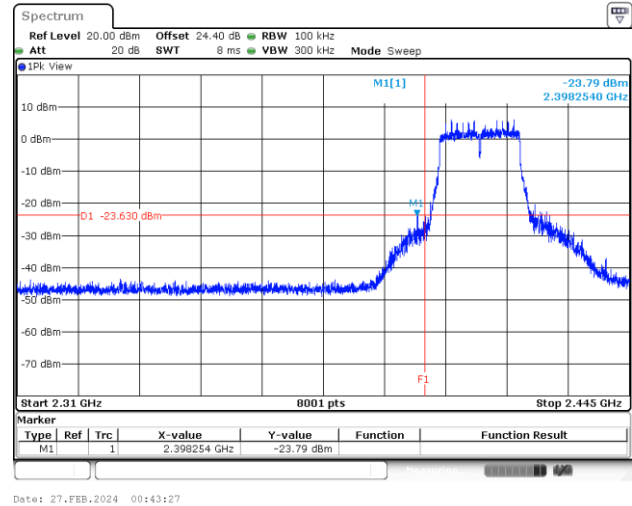
Test Mode : 802.11n HT20

Test Channel : 01

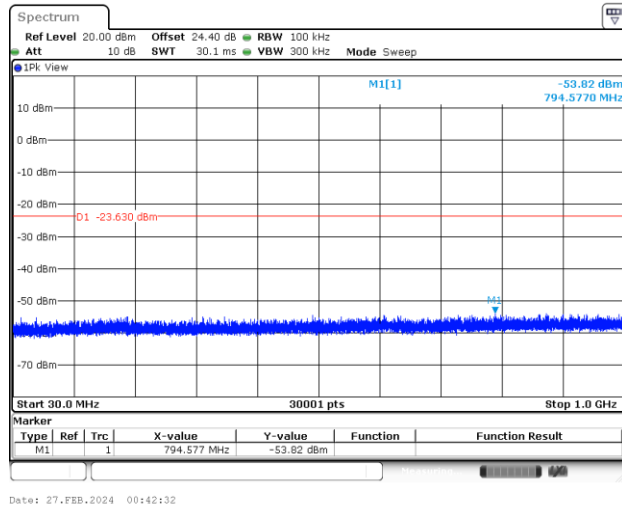
## 100kHz PSD reference Level



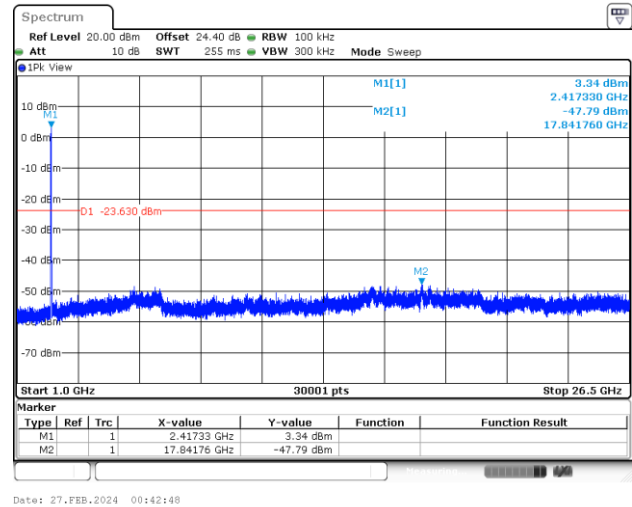
## Low Channel Plot



## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

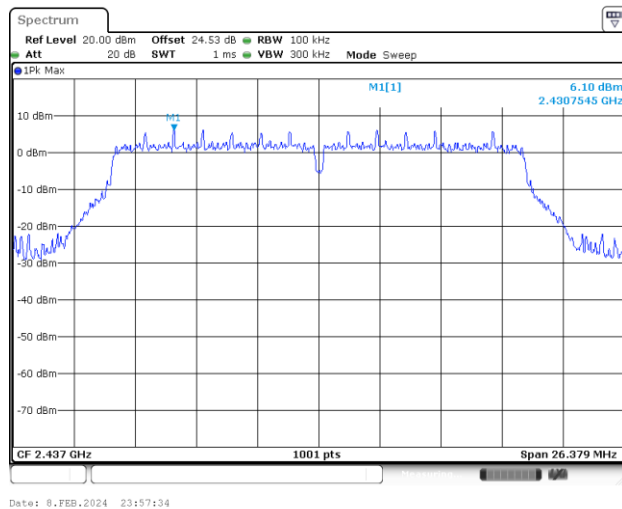




Test Mode : 802.11n HT20

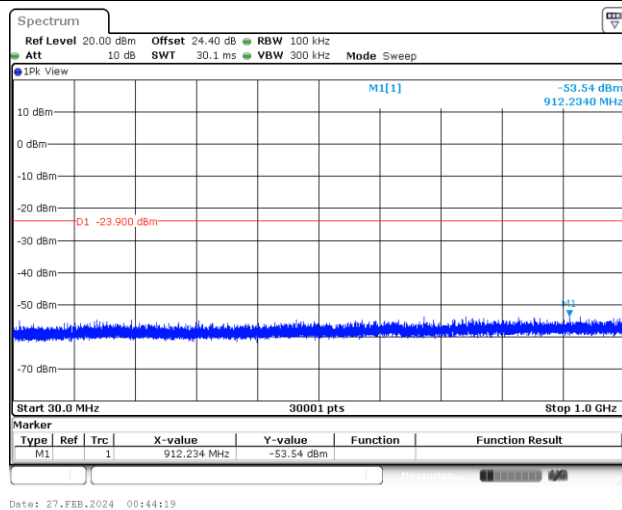
Test Channel : 06

## 100kHz PSD reference Level

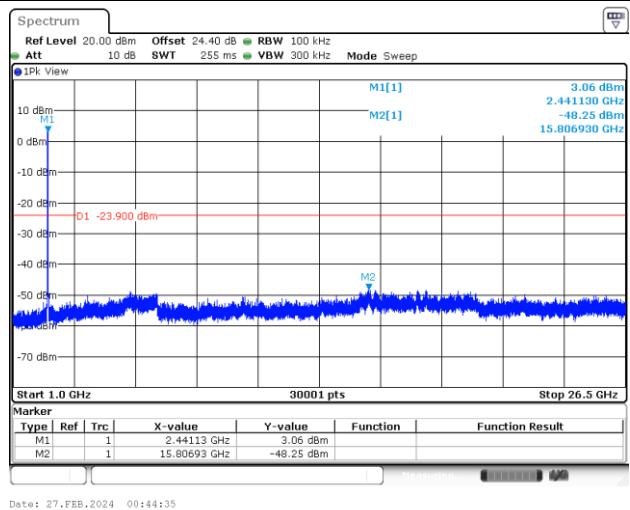


## Middle Channel Plot

## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

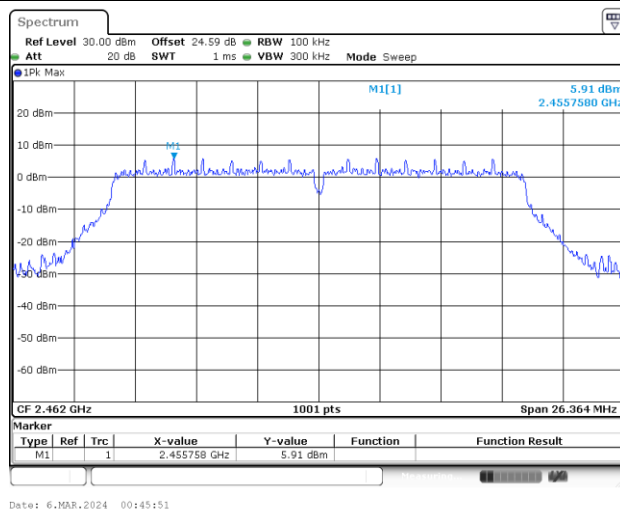




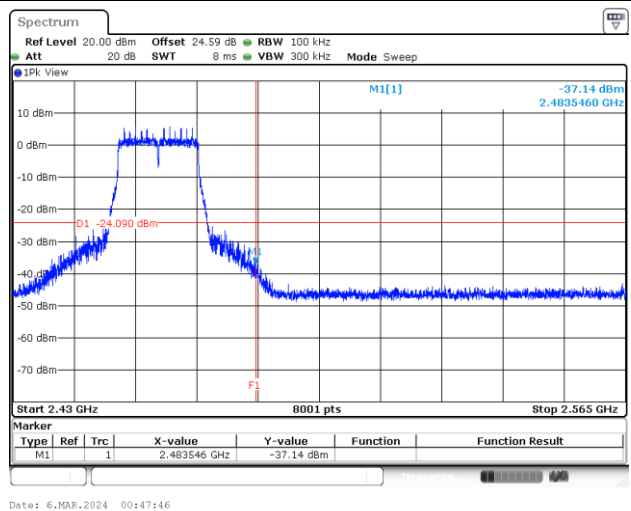
Test Mode : 802.11n HT20

Test Channel : 11

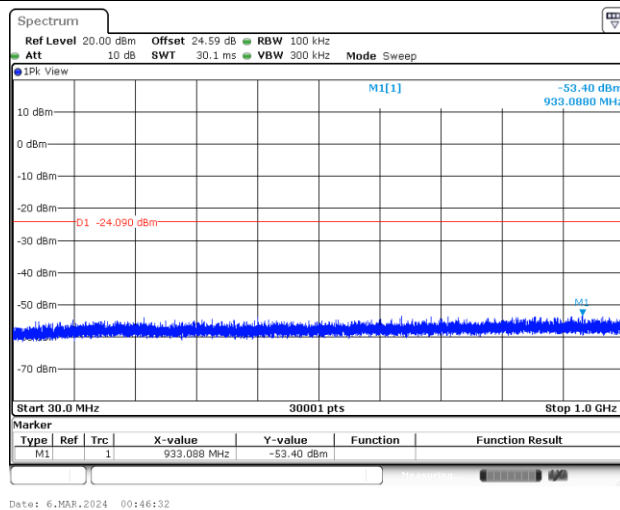
## 100kHz PSD reference Level



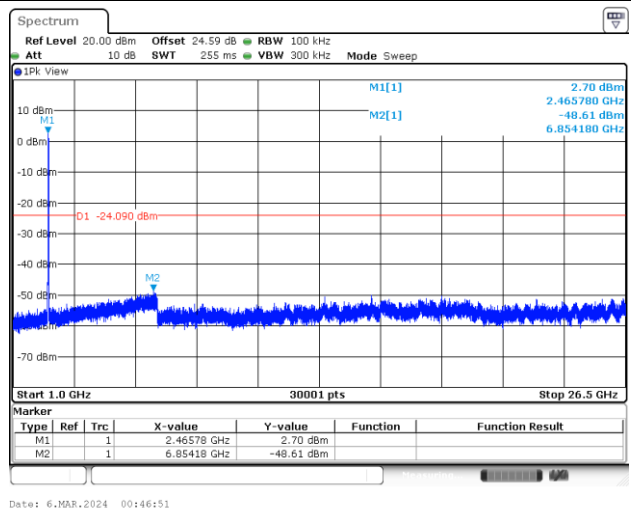
## High Channel Plot



## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

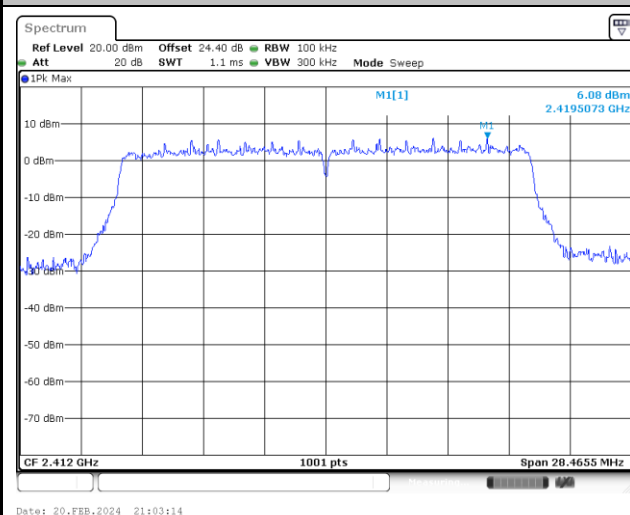




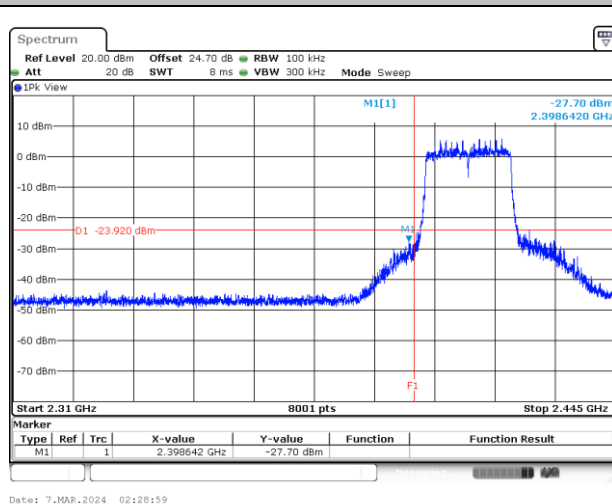
Test Mode : 802.11ax HE20\_Full RU

Test Channel : 01

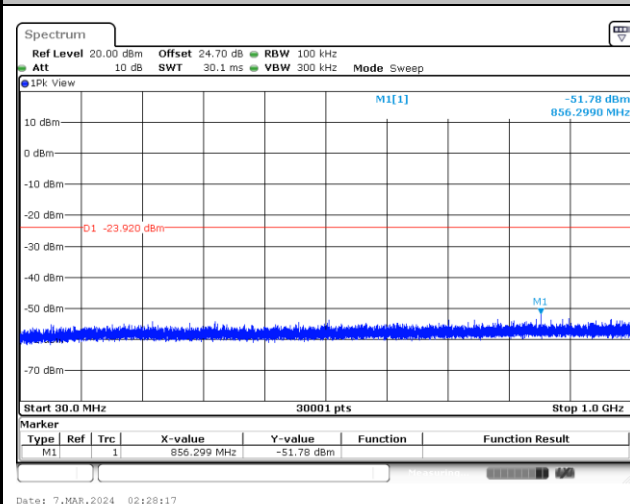
## 100kHz PSD reference Level



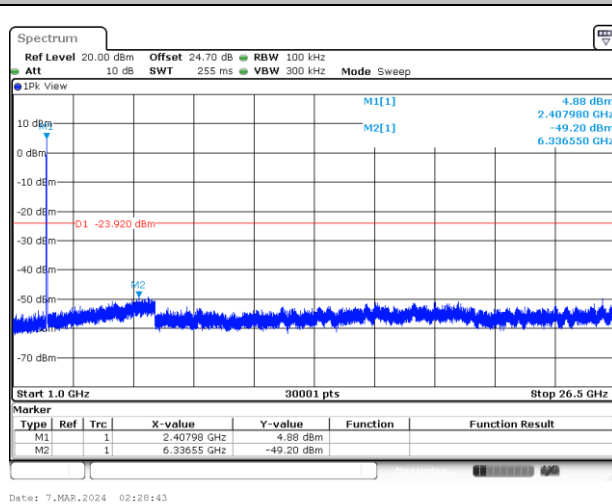
## Low Channel Plot



## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

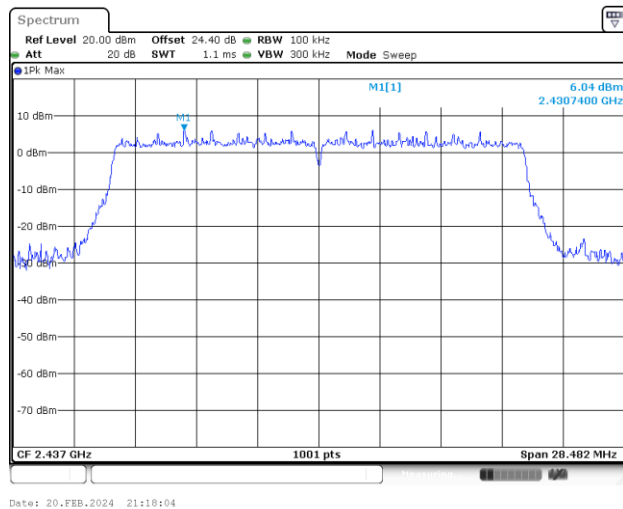




Test Mode : 802.11ax HE20\_Full RU

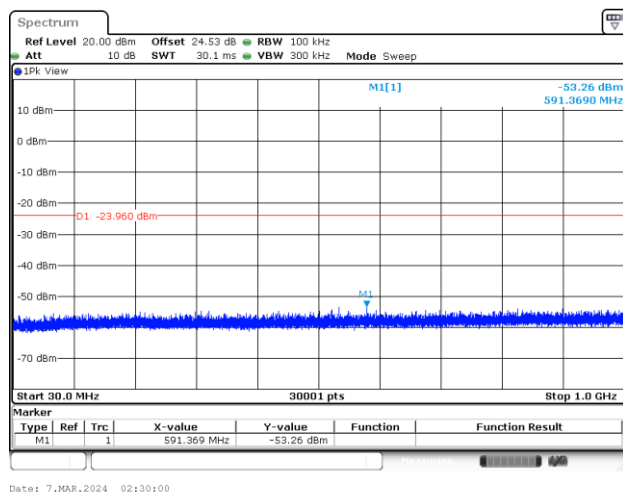
Test Channel : 06

## 100kHz PSD reference Level

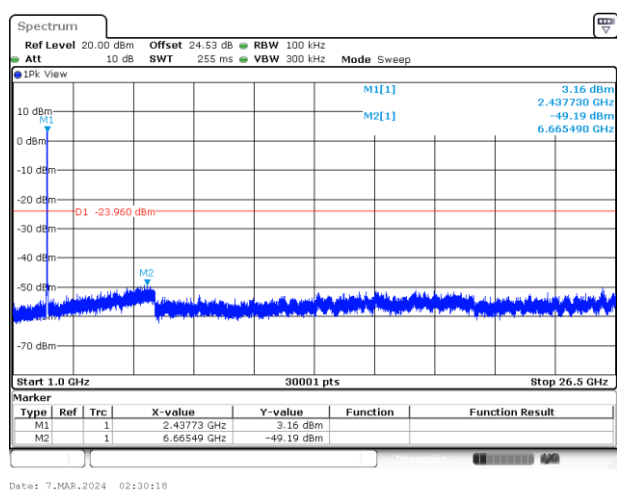


## Middle Channel Plot

## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz

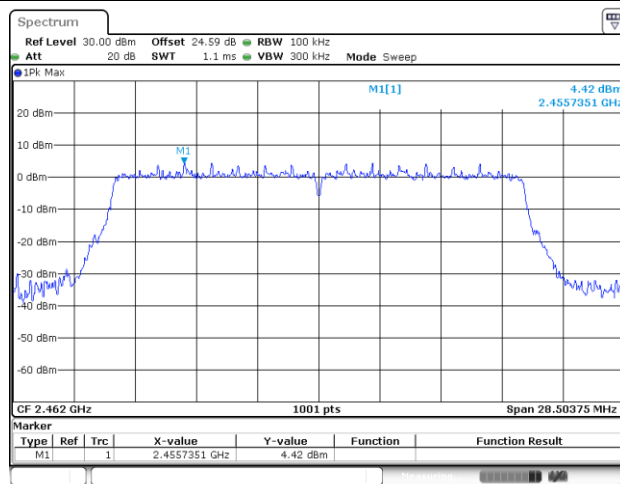




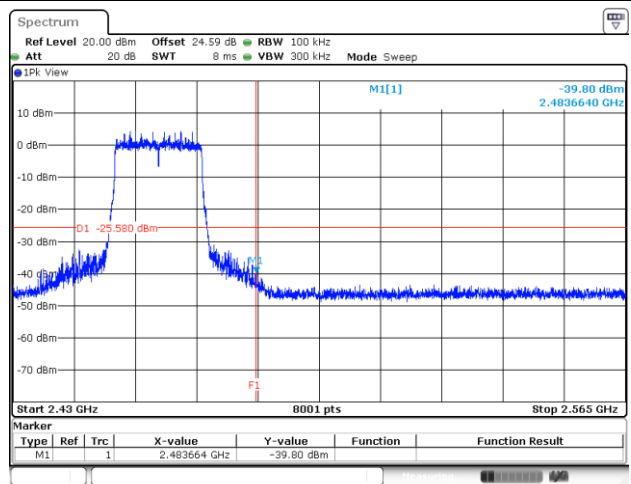
Test Mode : 802.11ax HE20\_Full RU

Test Channel : 11

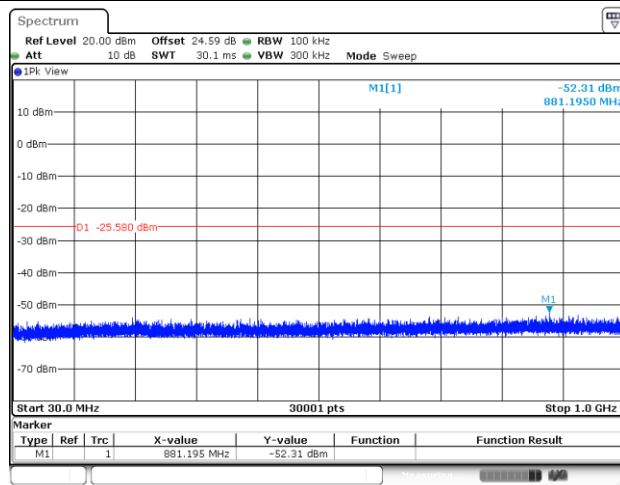
## 100kHz PSD reference Level



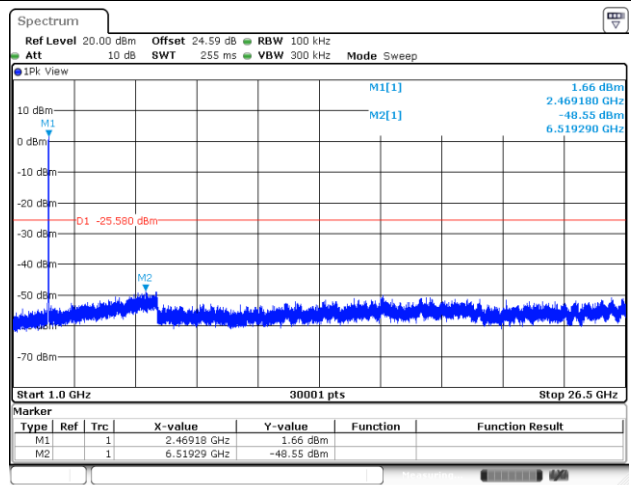
## High Channel Plot



## Spurious Emission 30MHz~1GHz



## Spurious Emission 1GHz~26.5GHz





## **Appendix B. AC Conducted Emission Test Results**

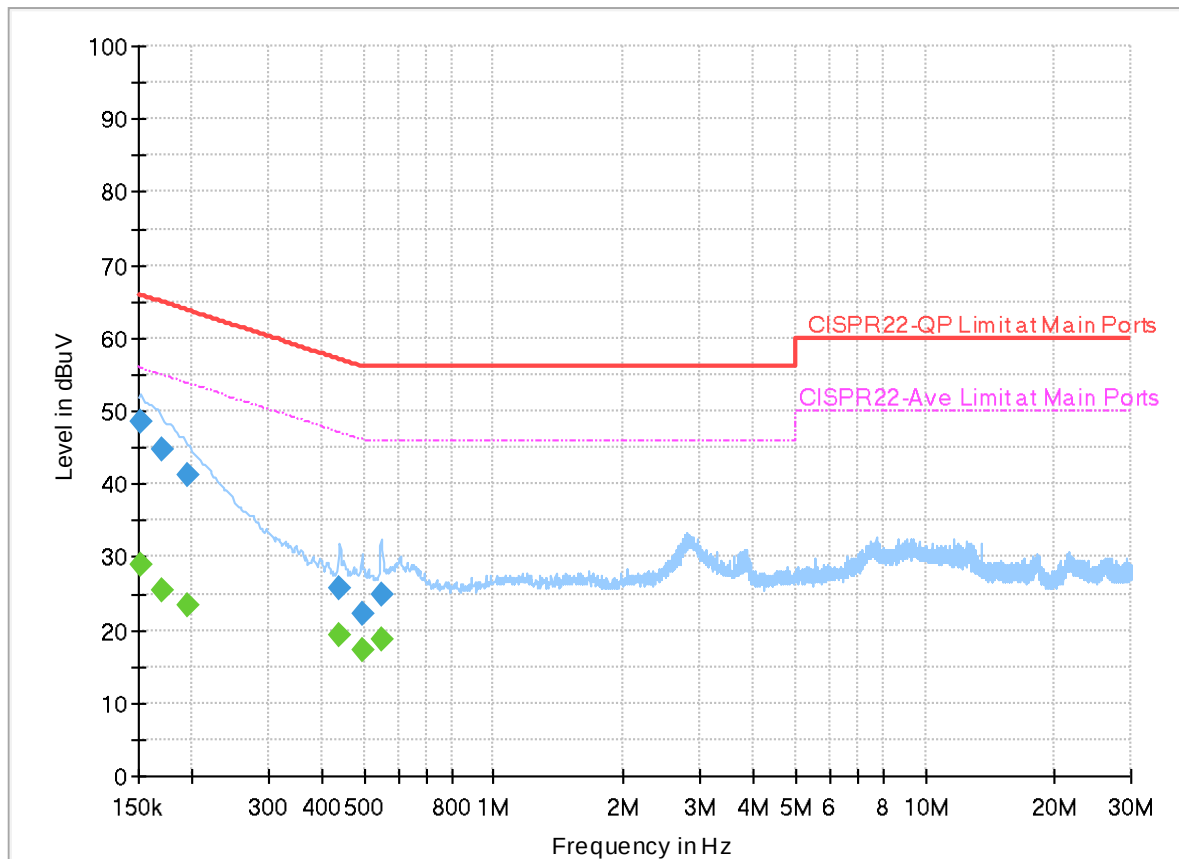
|                        |             |                            |            |
|------------------------|-------------|----------------------------|------------|
| <b>Test Engineer :</b> | Louis Chung | <b>Temperature :</b>       | 20.5~21.7℃ |
|                        |             | <b>Relative Humidity :</b> | 41.2~46.4% |



## EUT Information

Report NO : 412915  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



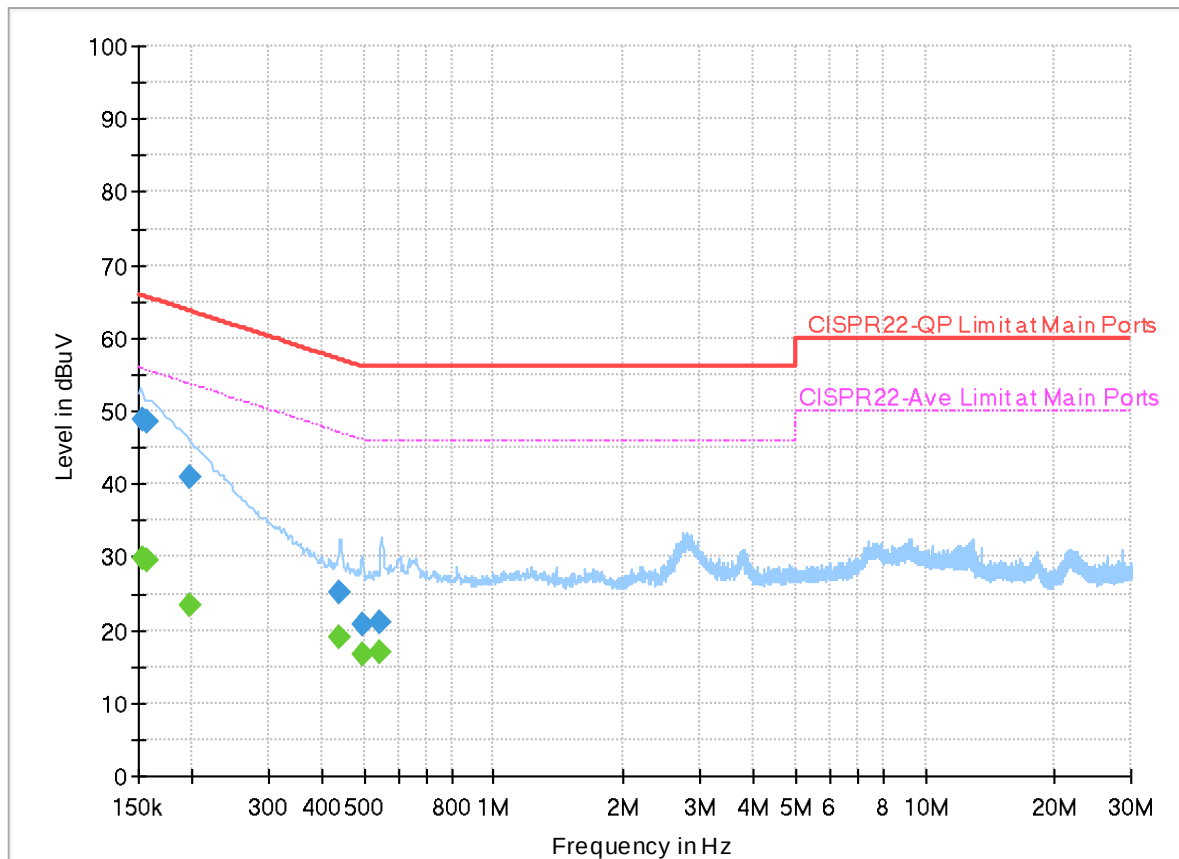
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.151080        | ---              | 29.02           | 55.94        | 26.92       | L1   | OFF    | 19.9       |
| 0.151080        | 48.51            | ---             | 65.94        | 17.43       | L1   | OFF    | 19.9       |
| 0.170250        | ---              | 25.35           | 54.95        | 29.60       | L1   | OFF    | 19.9       |
| 0.170250        | 44.79            | ---             | 64.95        | 20.16       | L1   | OFF    | 19.9       |
| 0.194370        | ---              | 23.43           | 53.85        | 30.42       | L1   | OFF    | 19.9       |
| 0.194370        | 41.34            | ---             | 63.85        | 22.51       | L1   | OFF    | 19.9       |
| 0.439440        | ---              | 19.19           | 47.07        | 27.88       | L1   | OFF    | 19.9       |
| 0.439440        | 25.73            | ---             | 57.07        | 31.34       | L1   | OFF    | 19.9       |
| 0.495330        | ---              | 17.38           | 46.08        | 28.70       | L1   | OFF    | 19.9       |
| 0.495330        | 22.27            | ---             | 56.08        | 33.81       | L1   | OFF    | 19.9       |
| 0.552570        | ---              | 18.59           | 46.00        | 27.41       | L1   | OFF    | 19.9       |
| 0.552570        | 24.93            | ---             | 56.00        | 31.07       | L1   | OFF    | 19.9       |

## EUT Information

Report NO : 412915  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152903        | ---              | 29.85           | 55.84        | 25.99       | N    | OFF    | 19.9       |
| 0.152903        | 48.97            | ---             | 65.84        | 16.87       | N    | OFF    | 19.9       |
| 0.156750        | ---              | 29.44           | 55.63        | 26.19       | N    | OFF    | 19.9       |
| 0.156750        | 48.42            | ---             | 65.63        | 17.21       | N    | OFF    | 19.9       |
| 0.197160        | ---              | 23.49           | 53.73        | 30.24       | N    | OFF    | 19.9       |
| 0.197160        | 40.92            | ---             | 63.73        | 22.81       | N    | OFF    | 19.9       |
| 0.438000        | ---              | 19.10           | 47.10        | 28.00       | N    | OFF    | 19.9       |
| 0.438000        | 25.00            | ---             | 57.10        | 32.10       | N    | OFF    | 19.9       |
| 0.499020        | ---              | 16.53           | 46.02        | 29.49       | N    | OFF    | 19.9       |
| 0.499020        | 20.62            | ---             | 56.02        | 35.40       | N    | OFF    | 19.9       |
| 0.543750        | ---              | 17.08           | 46.00        | 28.92       | N    | OFF    | 19.9       |
| 0.543750        | 20.97            | ---             | 56.00        | 35.03       | N    | OFF    | 19.9       |



## Appendix C. Radiated Spurious Emission

|                 |                                   |                     |             |
|-----------------|-----------------------------------|---------------------|-------------|
| Test Engineer : | Fu Chen, Sam Chou and Troye Hsieh | Temperature :       | 18.9~22.1°C |
|                 |                                   | Relative Humidity : | 43.7~67.1%  |

## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Band Edge @ 3m)

| WIFI Ant.                   | Note | Frequency | Level      | Margin | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
|                             |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11b<br>CH 01<br>2412MHz |      | 2359.035  | 50.79      | -23.21 | 74         | 41.22      | 27.3           | 17.06     | 34.79         | 150     | 152       | P         | H       |
|                             |      | 2390      | 39.84      | -14.16 | 54         | 30.04      | 27.5           | 17.1      | 34.8          | 150     | 152       | A         | H       |
|                             | *    | 2412      | 103.27     | -      | -          | 93.44      | 27.5           | 17.13     | 34.8          | 150     | 152       | P         | H       |
|                             | *    | 2412      | 100.18     | -      | -          | 90.35      | 27.5           | 17.13     | 34.8          | 150     | 152       | A         | H       |
|                             |      |           |            |        |            |            |                |           |               |         |           |           | H       |
|                             |      | 2385.915  | 50.69      | -23.31 | 74         | 40.94      | 27.46          | 17.09     | 34.8          | 300     | 114       | P         | V       |
|                             |      | 2388.225  | 39.86      | -14.14 | 54         | 30.08      | 27.48          | 17.1      | 34.8          | 300     | 114       | A         | V       |
|                             | *    | 2412      | 105.29     | -      | -          | 95.46      | 27.5           | 17.13     | 34.8          | 300     | 114       | P         | V       |
|                             | *    | 2412      | 102.24     | -      | -          | 92.41      | 27.5           | 17.13     | 34.8          | 300     | 114       | A         | V       |
|                             |      |           |            |        |            |            |                |           |               |         |           |           | V       |
| 802.11b<br>CH 06<br>2437MHz |      | 2388.08   | 51.09      | -22.91 | 74         | 41.31      | 27.48          | 17.1      | 34.8          | 150     | 152       | P         | H       |
|                             |      | 2389.36   | 39.87      | -14.13 | 54         | 30.08      | 27.49          | 17.1      | 34.8          | 150     | 152       | A         | H       |
|                             | *    | 2437      | 103.53     | -      | -          | 93.57      | 27.6           | 17.16     | 34.8          | 150     | 152       | P         | H       |
|                             | *    | 2437      | 100.44     | -      | -          | 90.48      | 27.6           | 17.16     | 34.8          | 150     | 152       | A         | H       |
|                             |      | 2487.44   | 52.01      | -21.99 | 74         | 41.87      | 27.7           | 17.24     | 34.8          | 150     | 152       | P         | H       |
|                             |      | 2485.04   | 40.3       | -13.7  | 54         | 30.17      | 27.7           | 17.23     | 34.8          | 150     | 152       | A         | H       |
|                             |      | 2376.4    | 50.9       | -23.1  | 74         | 41.26      | 27.36          | 17.08     | 34.8          | 300     | 112       | P         | V       |
|                             |      | 2389.36   | 39.89      | -14.11 | 54         | 30.1       | 27.49          | 17.1      | 34.8          | 300     | 112       | A         | V       |
|                             | *    | 2437      | 106.6      | -      | -          | 96.64      | 27.6           | 17.16     | 34.8          | 300     | 112       | P         | V       |
|                             | *    | 2437      | 103.5      | -      | -          | 93.54      | 27.6           | 17.16     | 34.8          | 300     | 112       | A         | V       |
|                             |      | 2492.72   | 51.65      | -22.35 | 74         | 41.51      | 27.7           | 17.24     | 34.8          | 300     | 112       | P         | V       |
|                             |      | 2484.56   | 40.31      | -13.69 | 54         | 30.18      | 27.7           | 17.23     | 34.8          | 300     | 112       | A         | V       |



|                                                  |                                                                                             |         |        |        |    |       |       |       |      |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11b</b><br><b>CH 11</b><br><b>2462MHz</b> | *                                                                                           | 2462    | 101.66 | -      | -  | 91.74 | 27.52 | 17.2  | 34.8 | 150 | 150 | P | H |
|                                                  | *                                                                                           | 2464    | 98.66  | -      | -  | 88.72 | 27.54 | 17.2  | 34.8 | 150 | 150 | A | H |
|                                                  |                                                                                             | 2497.28 | 50.86  | -23.14 | 74 | 40.71 | 27.7  | 17.25 | 34.8 | 150 | 150 | P | H |
|                                                  |                                                                                             | 2485.48 | 40.23  | -13.77 | 54 | 30.1  | 27.7  | 17.23 | 34.8 | 150 | 150 | A | H |
|                                                  |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | H |
|                                                  |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | H |
|                                                  | *                                                                                           | 2462    | 104.42 | -      | -  | 94.5  | 27.52 | 17.2  | 34.8 | 250 | 125 | P | V |
|                                                  | *                                                                                           | 2462    | 101.4  | -      | -  | 91.48 | 27.52 | 17.2  | 34.8 | 250 | 125 | A | V |
|                                                  |                                                                                             | 2489.52 | 50.88  | -23.12 | 74 | 40.74 | 27.7  | 17.24 | 34.8 | 250 | 125 | P | V |
|                                                  |                                                                                             | 2486.76 | 40.26  | -13.74 | 54 | 30.12 | 27.7  | 17.24 | 34.8 | 250 | 125 | A | V |
|                                                  |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | V |
|                                                  |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |      |     |     |   |   |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Harmonic @ 3m)

| WIFI<br>Ant.                | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11b<br>CH 01<br>2412MHz |      | 4824                 | 41.13               | -32.87           | 74                          | 54.27                     | 32.54                         | 12.12                  | 57.8                       | -                    | -                       | P                       | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      | 4824                 | 41.41               | -32.59           | 74                          | 54.55                     | 32.54                         | 12.12                  | 57.8                       | -                    | -                       | P                       | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.                | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11b<br>CH 06<br>2437MHz |      | 4874                 | 42.38               | -31.62           | 74                          | 55.39                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | H               |
|                             |      | 7311                 | 51.15               | -22.85           | 74                          | 58.1                      | 36.86                         | 14.64                  | 58.45                      | 377                  | 45                      | P                       | H               |
|                             |      | 7311                 | 45.91               | -8.09            | 54                          | 52.86                     | 36.86                         | 14.64                  | 58.45                      | 377                  | 45                      | A                       | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      | 4874                 | 41.11               | -32.89           | 74                          | 54.12                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | V               |
|                             |      | 7311                 | 53.27               | -20.73           | 74                          | 60.22                     | 36.86                         | 14.64                  | 58.45                      | 300                  | 319                     | P                       | V               |
|                             |      | 7311                 | 48.6                | -5.4             | 54                          | 55.55                     | 36.86                         | 14.64                  | 58.45                      | 300                  | 319                     | A                       | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

[illegible]



**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11g (Band Edge @ 3m)**

| WIFI<br>Ant.                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11g<br/>CH 01<br/>2412MHz</b> |      | 2389.59              | 55.22               | -18.78           | 74                          | 45.42                     | 27.5                          | 17.1                   | 34.8                       | 150                  | 153                     | P                       | H               |
|                                      |      | 2390                 | 42.65               | -11.35           | 54                          | 32.85                     | 27.5                          | 17.1                   | 34.8                       | 150                  | 153                     | A                       | H               |
|                                      | *    | 2412                 | 104.92              | -                | -                           | 95.09                     | 27.5                          | 17.13                  | 34.8                       | 150                  | 153                     | P                       | H               |
|                                      | *    | 2412                 | 96.41               | -                | -                           | 86.58                     | 27.5                          | 17.13                  | 34.8                       | 150                  | 153                     | A                       | H               |
|                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 2390                 | 59.3                | -14.7            | 74                          | 49.5                      | 27.5                          | 17.1                   | 34.8                       | 300                  | 114                     | P                       | V               |
|                                      |      | 2389.8               | 44.69               | -9.31            | 54                          | 34.89                     | 27.5                          | 17.1                   | 34.8                       | 300                  | 114                     | A                       | V               |
|                                      | *    | 2412                 | 106.91              | -                | -                           | 97.08                     | 27.5                          | 17.13                  | 34.8                       | 300                  | 114                     | P                       | V               |
|                                      | *    | 2412                 | 99.15               | -                | -                           | 89.32                     | 27.5                          | 17.13                  | 34.8                       | 300                  | 114                     | A                       | V               |
|                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11g<br/>CH 06<br/>2437MHz</b> |      | 2381.04              | 51.27               | -22.73           | 74                          | 41.57                     | 27.41                         | 17.09                  | 34.8                       | 150                  | 152                     | P                       | H               |
|                                      |      | 2378.8               | 40.7                | -13.3            | 54                          | 31.03                     | 27.39                         | 17.08                  | 34.8                       | 150                  | 152                     | A                       | H               |
|                                      | *    | 2437                 | 104.31              | -                | -                           | 94.35                     | 27.6                          | 17.16                  | 34.8                       | 150                  | 152                     | P                       | H               |
|                                      | *    | 2437                 | 96.43               | -                | -                           | 86.47                     | 27.6                          | 17.16                  | 34.8                       | 150                  | 152                     | A                       | H               |
|                                      |      | 2488.64              | 51.68               | -22.32           | 74                          | 41.54                     | 27.7                          | 17.24                  | 34.8                       | 150                  | 152                     | P                       | H               |
|                                      |      | 2497.52              | 41.38               | -12.62           | 54                          | 31.23                     | 27.7                          | 17.25                  | 34.8                       | 150                  | 152                     | A                       | H               |
|                                      |      | 2349.52              | 51.13               | -22.87           | 74                          | 41.57                     | 27.3                          | 17.05                  | 34.79                      | 300                  | 112                     | P                       | V               |
|                                      |      | 2387.44              | 40.71               | -13.29           | 54                          | 30.95                     | 27.47                         | 17.09                  | 34.8                       | 300                  | 112                     | A                       | V               |
|                                      | *    | 2437                 | 107.13              | -                | -                           | 97.17                     | 27.6                          | 17.16                  | 34.8                       | 300                  | 112                     | P                       | V               |
|                                      | *    | 2437                 | 99.42               | -                | -                           | 89.46                     | 27.6                          | 17.16                  | 34.8                       | 300                  | 112                     | A                       | V               |
|                                      |      | 2483.92              | 54.05               | -19.95           | 74                          | 43.92                     | 27.7                          | 17.23                  | 34.8                       | 300                  | 112                     | P                       | V               |
|                                      |      | 2484.88              | 41.41               | -12.59           | 54                          | 31.28                     | 27.7                          | 17.23                  | 34.8                       | 300                  | 112                     | A                       | V               |





|                                      |                                                                                             |         |        |       |    |       |       |       |      |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11g<br/>CH 11<br/>2462MHz</b> | *                                                                                           | 2462    | 103.57 | -     | -  | 93.65 | 27.52 | 17.2  | 34.8 | 150 | 149 | P | H |
|                                      | *                                                                                           | 2462    | 95.56  | -     | -  | 85.64 | 27.52 | 17.2  | 34.8 | 150 | 149 | A | H |
|                                      |                                                                                             | 2483.68 | 66.23  | -7.77 | 74 | 56.1  | 27.7  | 17.23 | 34.8 | 150 | 149 | P | H |
|                                      |                                                                                             | 2483.52 | 46.74  | -7.26 | 54 | 36.61 | 27.7  | 17.23 | 34.8 | 150 | 149 | A | H |
|                                      |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | H |
|                                      |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | H |
|                                      | *                                                                                           | 2462    | 106.6  | -     | -  | 96.68 | 27.52 | 17.2  | 34.8 | 250 | 125 | P | V |
|                                      | *                                                                                           | 2462    | 98.13  | -     | -  | 88.21 | 27.52 | 17.2  | 34.8 | 250 | 125 | A | V |
|                                      |                                                                                             | 2483.84 | 68.24  | -5.76 | 74 | 58.11 | 27.7  | 17.23 | 34.8 | 250 | 125 | P | V |
|                                      |                                                                                             | 2483.52 | 48.56  | -5.44 | 54 | 38.43 | 27.7  | 17.23 | 34.8 | 250 | 125 | A | V |
|                                      |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | V |
|                                      |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | V |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |       |       |       |      |     |     |   |   |

[illegible]



| WIFI<br>Ant.                | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11g<br>CH 06<br>2437MHz |      | 4874                 | 42.25               | -31.75           | 74                          | 55.26                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | H               |
|                             |      | 7311                 | 50.35               | -23.65           | 74                          | 57.3                      | 36.86                         | 14.64                  | 58.45                      | 349                  | 360                     | P                       | H               |
|                             |      | 7311                 | 41.61               | -12.39           | 54                          | 48.56                     | 36.86                         | 14.64                  | 58.45                      | 349                  | 360                     | A                       | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |      | 4874                 | 42.34               | -31.66           | 74                          | 55.35                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | V               |
|                             |      | 7311                 | 53.34               | -20.66           | 74                          | 60.29                     | 36.86                         | 14.64                  | 58.45                      | 350                  | 321                     | P                       | V               |
|                             |      | 7311                 | 44.31               | -9.69            | 54                          | 51.26                     | 36.86                         | 14.64                  | 58.45                      | 350                  | 321                     | A                       | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

[illegible]



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant.                           | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 01<br>2412MHz |      | 2389.275             | 60.53               | -13.47           | 74                          | 50.74                     | 27.49                         | 17.1                   | 34.8                       | 150                  | 153                     | P                       | H               |
|                                     |      | 2390                 | 44.27               | -9.73            | 54                          | 34.47                     | 27.5                          | 17.1                   | 34.8                       | 150                  | 153                     | A                       | H               |
|                                     | *    | 2412                 | 104.58              | -                | -                           | 94.75                     | 27.5                          | 17.13                  | 34.8                       | 150                  | 153                     | P                       | H               |
|                                     | *    | 2412                 | 96.41               | -                | -                           | 86.58                     | 27.5                          | 17.13                  | 34.8                       | 150                  | 153                     | A                       | H               |
|                                     |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      | 2390                 | 64.05               | -9.95            | 74                          | 54.25                     | 27.5                          | 17.1                   | 34.8                       | 300                  | 112                     | P                       | V               |
|                                     |      | 2389.905             | 47.4                | -6.6             | 54                          | 37.6                      | 27.5                          | 17.1                   | 34.8                       | 300                  | 112                     | A                       | V               |
|                                     | *    | 2412                 | 106.74              | -                | -                           | 96.91                     | 27.5                          | 17.13                  | 34.8                       | 300                  | 112                     | P                       | V               |
|                                     | *    | 2412                 | 99.12               | -                | -                           | 89.29                     | 27.5                          | 17.13                  | 34.8                       | 300                  | 112                     | A                       | V               |
|                                     |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 06<br>2437MHz |      | 2380.88              | 51.49               | -22.51           | 74                          | 41.79                     | 27.41                         | 17.09                  | 34.8                       | 150                  | 153                     | P                       | H               |
|                                     |      | 2388.72              | 40.74               | -13.26           | 54                          | 30.95                     | 27.49                         | 17.1                   | 34.8                       | 150                  | 153                     | A                       | H               |
|                                     | *    | 2437                 | 104.85              | -                | -                           | 94.89                     | 27.6                          | 17.16                  | 34.8                       | 150                  | 153                     | P                       | H               |
|                                     | *    | 2437                 | 95.95               | -                | -                           | 85.99                     | 27.6                          | 17.16                  | 34.8                       | 150                  | 153                     | A                       | H               |
|                                     |      | 2498.96              | 52.4                | -21.6            | 74                          | 42.25                     | 27.7                          | 17.25                  | 34.8                       | 150                  | 153                     | P                       | H               |
|                                     |      | 2485.28              | 41.32               | -12.68           | 54                          | 31.19                     | 27.7                          | 17.23                  | 34.8                       | 150                  | 153                     | A                       | H               |
|                                     |      | 2316.08              | 51.55               | -22.45           | 74                          | 42.03                     | 27.3                          | 17.01                  | 34.79                      | 300                  | 111                     | P                       | V               |
|                                     |      | 2389.84              | 40.84               | -13.16           | 54                          | 31.04                     | 27.5                          | 17.1                   | 34.8                       | 300                  | 111                     | A                       | V               |
|                                     | *    | 2437                 | 107.06              | -                | -                           | 97.1                      | 27.6                          | 17.16                  | 34.8                       | 300                  | 111                     | P                       | V               |
|                                     | *    | 2437                 | 99.22               | -                | -                           | 89.26                     | 27.6                          | 17.16                  | 34.8                       | 300                  | 111                     | A                       | V               |
|                                     |      | 2484.56              | 54.57               | -19.43           | 74                          | 44.44                     | 27.7                          | 17.23                  | 34.8                       | 300                  | 111                     | P                       | V               |
|                                     |      | 2485.2               | 41.41               | -12.59           | 54                          | 31.28                     | 27.7                          | 17.23                  | 34.8                       | 300                  | 111                     | A                       | V               |



|                                                                 |                                                                                             |         |        |       |    |       |       |       |      |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 11</b><br><b>2462MHz</b> | *                                                                                           | 2462    | 102.87 | -     | -  | 92.95 | 27.52 | 17.2  | 34.8 | 150 | 149 | P | H |
|                                                                 | *                                                                                           | 2462    | 95.03  | -     | -  | 85.11 | 27.52 | 17.2  | 34.8 | 150 | 149 | A | H |
|                                                                 |                                                                                             | 2484.68 | 66.24  | -7.76 | 74 | 56.11 | 27.7  | 17.23 | 34.8 | 150 | 149 | P | H |
|                                                                 |                                                                                             | 2483.52 | 49.05  | -4.95 | 54 | 38.92 | 27.7  | 17.23 | 34.8 | 150 | 149 | A | H |
|                                                                 |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | H |
|                                                                 |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | H |
|                                                                 | *                                                                                           | 2462    | 106.07 | -     | -  | 96.15 | 27.52 | 17.2  | 34.8 | 300 | 125 | P | V |
|                                                                 | *                                                                                           | 2462    | 97.35  | -     | -  | 87.43 | 27.52 | 17.2  | 34.8 | 300 | 125 | A | V |
|                                                                 |                                                                                             | 2484.04 | 71.23  | -2.77 | 74 | 61.1  | 27.7  | 17.23 | 34.8 | 300 | 125 | P | V |
|                                                                 |                                                                                             | 2483.76 | 51.84  | -2.16 | 54 | 41.71 | 27.7  | 17.23 | 34.8 | 300 | 125 | A | V |
|                                                                 |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | V |
|                                                                 |                                                                                             |         |        |       |    |       |       |       |      |     |     |   | V |
| <b>Remark</b>                                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |       |       |       |      |     |     |   |   |



**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI<br>Ant.                                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 01<br/>2412MHz</b> |      | 4824                 | 41.39               | -32.61           | 74                          | 54.53                     | 32.54                         | 12.12                  | 57.8                       | -                    | -                       | P                       | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      | 4824                 | 41.22               | -32.78           | 74                          | 54.36                     | 32.54                         | 12.12                  | 57.8                       | -                    | -                       | P                       | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.                                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 06<br/>2437MHz</b> |      | 4874                 | 43                  | -31              | 74                          | 56.01                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | H               |
|                                               |      | 7311                 | 52.95               | -21.05           | 74                          | 59.9                      | 36.86                         | 14.64                  | 58.45                      | 397                  | 349                     | P                       | H               |
|                                               |      | 7311                 | 40.99               | -13.01           | 54                          | 47.94                     | 36.86                         | 14.64                  | 58.45                      | 397                  | 349                     | A                       | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                               |      | 4874                 | 41.06               | -32.94           | 74                          | 54.07                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | V               |
|                                               |      | 7311                 | 54.55               | -19.45           | 74                          | 61.5                      | 36.86                         | 14.64                  | 58.45                      | 392                  | 320                     | P                       | V               |
|                                               |      | 7311                 | 43.8                | -10.2            | 54                          | 50.75                     | 36.86                         | 14.64                  | 58.45                      | 392                  | 320                     | A                       | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                               |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



[illegible]



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI Ant.                                 | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20 Full<br>CH 01<br>2412MHz |      | 2389.59              | 59.63               | -14.37           | 74                          | 49.83                     | 27.5                          | 17.1                   | 34.8                       | 129                  | 4                       | P                       | H               |
|                                           |      | 2390                 | 43.74               | -10.26           | 54                          | 33.94                     | 27.5                          | 17.1                   | 34.8                       | 129                  | 4                       | A                       | H               |
|                                           | *    | 2412                 | 102.84              | -                | -                           | 93.01                     | 27.5                          | 17.13                  | 34.8                       | 129                  | 4                       | P                       | H               |
|                                           | *    | 2412                 | 92.69               | -                | -                           | 82.86                     | 27.5                          | 17.13                  | 34.8                       | 129                  | 4                       | A                       | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      | 2390                 | 61.9                | -12.1            | 74                          | 52.1                      | 27.5                          | 17.1                   | 34.8                       | 157                  | 125                     | P                       | V               |
|                                           |      | 2389.905             | 46.88               | -7.12            | 54                          | 37.08                     | 27.5                          | 17.1                   | 34.8                       | 157                  | 125                     | A                       | V               |
|                                           | *    | 2412                 | 103.88              | -                | -                           | 94.05                     | 27.5                          | 17.13                  | 34.8                       | 157                  | 125                     | P                       | V               |
|                                           | *    | 2412                 | 94.45               | -                | -                           | 84.62                     | 27.5                          | 17.13                  | 34.8                       | 157                  | 125                     | A                       | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |      | 2320.36              | 50.72               | -23.28           | 74                          | 41.2                      | 27.3                          | 17.01                  | 34.79                      | 151                  | 2                       | P                       | H               |
|                                           |      | 2386.72              | 40.11               | -13.89           | 54                          | 30.35                     | 27.47                         | 17.09                  | 34.8                       | 151                  | 2                       | A                       | H               |
|                                           | *    | 2437                 | 103.46              | -                | -                           | 93.5                      | 27.6                          | 17.16                  | 34.8                       | 151                  | 2                       | P                       | H               |
|                                           | *    | 2437                 | 93.49               | -                | -                           | 83.53                     | 27.6                          | 17.16                  | 34.8                       | 151                  | 2                       | A                       | H               |
|                                           |      | 2490.08              | 51.54               | -22.46           | 74                          | 41.4                      | 27.7                          | 17.24                  | 34.8                       | 151                  | 2                       | P                       | H               |
|                                           |      | 2485.84              | 40.59               | -13.41           | 54                          | 30.46                     | 27.7                          | 17.23                  | 34.8                       | 151                  | 2                       | A                       | H               |
|                                           |      | 2334.92              | 50.25               | -23.75           | 74                          | 40.76                     | 27.25                         | 17.03                  | 34.79                      | 117                  | 124                     | P                       | V               |
|                                           |      | 2389.8               | 40.18               | -13.82           | 54                          | 30.38                     | 27.5                          | 17.1                   | 34.8                       | 117                  | 124                     | A                       | V               |
|                                           | *    | 2437                 | 107.84              | -                | -                           | 97.88                     | 27.6                          | 17.16                  | 34.8                       | 117                  | 124                     | P                       | V               |
|                                           | *    | 2437                 | 97.93               | -                | -                           | 87.97                     | 27.6                          | 17.16                  | 34.8                       | 117                  | 124                     | A                       | V               |
|                                           |      | 2483.52              | 52.83               | -21.17           | 74                          | 42.7                      | 27.7                          | 17.23                  | 34.8                       | 117                  | 124                     | P                       | V               |
|                                           |      | 2483.68              | 41.01               | -12.99           | 54                          | 30.88                     | 27.7                          | 17.23                  | 34.8                       | 117                  | 124                     | A                       | V               |



| WIFI<br>Ant.                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20 Full<br>CH 11<br>2462MHz | *                                                                                           | 2462                 | 100.71              | -                | -                           | 90.79                     | 27.52                         | 17.2                   | 34.8                       | 198                  | 15                      | P                       | H               |
|                                           | *                                                                                           | 2462                 | 91.01               | -                | -                           | 81.09                     | 27.52                         | 17.2                   | 34.8                       | 198                  | 15                      | A                       | H               |
|                                           |                                                                                             | 2483.84              | 62.99               | -11.01           | 74                          | 52.86                     | 27.7                          | 17.23                  | 34.8                       | 198                  | 15                      | P                       | H               |
|                                           |                                                                                             | 2483.72              | 45.49               | -8.51            | 54                          | 35.36                     | 27.7                          | 17.23                  | 34.8                       | 198                  | 15                      | A                       | H               |
|                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           | *                                                                                           | 2462                 | 106.84              | -                | -                           | 96.92                     | 27.52                         | 17.2                   | 34.8                       | 115                  | 270                     | P                       | V               |
|                                           | *                                                                                           | 2462                 | 95.67               | -                | -                           | 85.75                     | 27.52                         | 17.2                   | 34.8                       | 115                  | 270                     | A                       | V               |
|                                           |                                                                                             | 2483.56              | 69.5                | -4.5             | 74                          | 59.37                     | 27.7                          | 17.23                  | 34.8                       | 115                  | 270                     | P                       | V               |
|                                           |                                                                                             | 2483.72              | 50.61               | -3.39            | 54                          | 40.48                     | 27.7                          | 17.23                  | 34.8                       | 115                  | 270                     | A                       | V               |
|                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**2.4GHz 2400~2483.5MHz**

## WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

[illegible]



| WIFI<br>Ant.                              | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |      | 4874                 | 41.47               | -32.53           | 74                          | 54.48                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | H               |
|                                           |      | 7311                 | 46.31               | -27.69           | 74                          | 53.26                     | 36.86                         | 14.64                  | 58.45                      | 300                  | 356                     | P                       | H               |
|                                           |      | 7311                 | 42.49               | -11.51           | 54                          | 49.44                     | 36.86                         | 14.64                  | 58.45                      | 300                  | 356                     | A                       | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
| 802.11ax<br>HE20 Full<br>CH 06<br>2437MHz |      | 4874                 | 41.7                | -32.3            | 74                          | 54.71                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | V               |
|                                           |      | 7311                 | 49.84               | -24.16           | 74                          | 56.79                     | 36.86                         | 14.64                  | 58.45                      | 250                  | 134                     | P                       | V               |
|                                           |      | 7311                 | 45.2                | -8.8             | 54                          | 52.15                     | 36.86                         | 14.64                  | 58.45                      | 250                  | 134                     | A                       | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

[illegible]



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

| WIFI Ant.                                            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20<br>Partial 26/0<br>CH 01<br>2412MHz |      | 2332.26              | 50.66               | -23.34           | 74                          | 41.2                      | 27.22                         | 17.03                  | 34.79                      | 300                  | 13                      | P                       | H               |
|                                                      |      | 2388.855             | 40.53               | -13.47           | 54                          | 30.74                     | 27.49                         | 17.1                   | 34.8                       | 300                  | 13                      | A                       | H               |
|                                                      | *    | 2412                 | 100.91              | -                | -                           | 91.08                     | 27.5                          | 17.13                  | 34.8                       | 300                  | 13                      | P                       | H               |
|                                                      | *    | 2412                 | 92.42               | -                | -                           | 82.59                     | 27.5                          | 17.13                  | 34.8                       | 300                  | 13                      | A                       | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      | 2319.975             | 51.12               | -22.88           | 74                          | 41.6                      | 27.3                          | 17.01                  | 34.79                      | 101                  | 101                     | P                       | V               |
|                                                      |      | 2387.7               | 40.4                | -13.6            | 54                          | 30.63                     | 27.48                         | 17.09                  | 34.8                       | 101                  | 101                     | A                       | V               |
|                                                      | *    | 2412                 | 104.33              | -                | -                           | 94.5                      | 27.5                          | 17.13                  | 34.8                       | 101                  | 101                     | P                       | V               |
|                                                      | *    | 2412                 | 95.73               | -                | -                           | 85.9                      | 27.5                          | 17.13                  | 34.8                       | 101                  | 101                     | A                       | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>Partial 26/4<br>CH 06<br>2437MHz |      | 2336.56              | 50.65               | -23.35           | 74                          | 41.14                     | 27.27                         | 17.03                  | 34.79                      | 298                  | 15                      | P                       | H               |
|                                                      |      | 2390                 | 40.41               | -13.59           | 54                          | 30.61                     | 27.5                          | 17.1                   | 34.8                       | 298                  | 15                      | A                       | H               |
|                                                      | *    | 2437                 | 100.21              | -                | -                           | 90.25                     | 27.6                          | 17.16                  | 34.8                       | 298                  | 15                      | P                       | H               |
|                                                      | *    | 2437                 | 91.49               | -                | -                           | 81.53                     | 27.6                          | 17.16                  | 34.8                       | 298                  | 15                      | A                       | H               |
|                                                      |      | 2485.44              | 51.11               | -22.89           | 74                          | 40.98                     | 27.7                          | 17.23                  | 34.8                       | 298                  | 15                      | P                       | H               |
|                                                      |      | 2487.76              | 40.94               | -13.06           | 54                          | 30.8                      | 27.7                          | 17.24                  | 34.8                       | 298                  | 15                      | A                       | H               |
|                                                      |      | 2334.32              | 50.41               | -23.59           | 74                          | 40.93                     | 27.24                         | 17.03                  | 34.79                      | 100                  | 99                      | P                       | V               |
|                                                      |      | 2387.28              | 40.39               | -13.61           | 54                          | 30.63                     | 27.47                         | 17.09                  | 34.8                       | 100                  | 99                      | A                       | V               |
|                                                      | *    | 2437                 | 105.35              | -                | -                           | 95.39                     | 27.6                          | 17.16                  | 34.8                       | 100                  | 99                      | P                       | V               |
|                                                      | *    | 2437                 | 96.49               | -                | -                           | 86.53                     | 27.6                          | 17.16                  | 34.8                       | 100                  | 99                      | A                       | V               |
|                                                      |      | 2500                 | 51.39               | -22.61           | 74                          | 41.24                     | 27.7                          | 17.25                  | 34.8                       | 100                  | 99                      | P                       | V               |
|                                                      |      | 2484.08              | 40.95               | -13.05           | 54                          | 30.82                     | 27.7                          | 17.23                  | 34.8                       | 100                  | 99                      | A                       | V               |



|                                                                                         |                                                                                             |         |        |        |    |       |       |       |      |     |    |   |   |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|------|-----|----|---|---|
| <b>802.11ax</b><br><b>HE20</b><br><b>Partial 26/8</b><br><b>CH 11</b><br><b>2462MHz</b> | *                                                                                           | 2462    | 100.42 | -      | -  | 90.5  | 27.52 | 17.2  | 34.8 | 289 | 14 | P | H |
|                                                                                         | *                                                                                           | 2462    | 92.3   | -      | -  | 82.38 | 27.52 | 17.2  | 34.8 | 289 | 14 | A | H |
|                                                                                         |                                                                                             | 2484.6  | 51.45  | -22.55 | 74 | 41.32 | 27.7  | 17.23 | 34.8 | 289 | 14 | P | H |
|                                                                                         |                                                                                             | 2486.36 | 40.91  | -13.09 | 54 | 30.77 | 27.7  | 17.24 | 34.8 | 289 | 14 | A | H |
|                                                                                         |                                                                                             |         |        |        |    |       |       |       |      |     |    |   | H |
|                                                                                         |                                                                                             |         |        |        |    |       |       |       |      |     |    |   | H |
|                                                                                         | *                                                                                           | 2462    | 108.3  | -      | -  | 98.38 | 27.52 | 17.2  | 34.8 | 122 | 98 | P | V |
|                                                                                         | *                                                                                           | 2462    | 97.85  | -      | -  | 87.93 | 27.52 | 17.2  | 34.8 | 122 | 98 | A | V |
|                                                                                         |                                                                                             | 2483.72 | 56.62  | -17.38 | 74 | 46.49 | 27.7  | 17.23 | 34.8 | 122 | 98 | P | V |
|                                                                                         |                                                                                             | 2485.4  | 40.95  | -13.05 | 54 | 30.82 | 27.7  | 17.23 | 34.8 | 122 | 98 | A | V |
|                                                                                         |                                                                                             |         |        |        |    |       |       |       |      |     |    |   | V |
|                                                                                         |                                                                                             |         |        |        |    |       |       |       |      |     |    |   | V |
| <b>Remark</b>                                                                           | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |      |     |    |   |   |



[illegible]



| WIFI<br>Ant.                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20<br>Partial 26/4<br>CH 06<br>2437MHz |      | 4874                 | 41.55               | -32.45           | 74                          | 54.56                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | H               |
|                                                      |      | 7311                 | 43.86               | -30.14           | 74                          | 50.81                     | 36.86                         | 14.64                  | 58.45                      | -                    | -                       | P                       | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      | 4874                 | 41.87               | -32.13           | 74                          | 54.88                     | 32.7                          | 12.11                  | 57.82                      | -                    | -                       | P                       | V               |
|                                                      |      | 7311                 | 44.03               | -29.97           | 74                          | 50.98                     | 36.86                         | 14.64                  | 58.45                      | -                    | -                       | P                       | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

| WIFI<br>Ant.                                         | Note | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><br>( dB ) | Limit<br>Line<br><br>( dBμV/m ) | Read<br>Level<br><br>( dBμV ) | Antenna<br>Factor<br><br>( dB/m ) | Path<br>Loss<br><br>( dB ) | Preamp<br>Factor<br><br>( dB ) | Ant<br>Pos<br><br>( cm ) | Table<br>Pos<br><br>( deg ) | Peak<br>Avg.<br><br>(P/A) | Pol.<br><br>(H/V) |
|------------------------------------------------------|------|--------------------------|-------------------------|----------------------|---------------------------------|-------------------------------|-----------------------------------|----------------------------|--------------------------------|--------------------------|-----------------------------|---------------------------|-------------------|
| 802.11ax<br>HE20<br>Partial 26/8<br>CH 11<br>2462MHz |      | 4924                     | 41.69                   | -32.31               | 74                              | 54.6                          | 32.84                             | 12.09                      | 57.84                          | -                        | -                           | P                         | H                 |
|                                                      |      | 7386                     | 42.9                    | -31.1                | 74                              | 50.31                         | 36.48                             | 14.53                      | 58.42                          | -                        | -                           | P                         | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | H                 |
|                                                      |      | 4924                     | 42.35                   | -31.65               | 74                              | 55.26                         | 32.84                             | 12.09                      | 57.84                          | -                        | -                           | P                         | V                 |
|                                                      |      | 7386                     | 46.43                   | -27.57               | 74                              | 53.84                         | 36.48                             | 14.53                      | 58.42                          | 133                      | 360                         | P                         | V                 |
|                                                      |      | 7386                     | 38.48                   | -15.52               | 54                              | 45.89                         | 36.48                             | 14.53                      | 58.42                          | 133                      | 360                         | A                         | V                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           | V                 |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | V                         |                   |
|                                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                           |                   |



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

| WIFI<br>Ant.                                             | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20<br>Partial<br>52/37<br>CH 01<br>2412MHz |                                                                                             | 2387.07              | 51.42               | -22.58           | 74                          | 41.66                     | 27.47                         | 17.09                  | 34.8                       | 302                  | 12                      | P                       | H               |
|                                                          |                                                                                             | 2385.18              | 40.36               | -13.64           | 54                          | 30.62                     | 27.45                         | 17.09                  | 34.8                       | 302                  | 12                      | A                       | H               |
|                                                          | *                                                                                           | 2412                 | 104.55              | -                | -                           | 94.72                     | 27.5                          | 17.13                  | 34.8                       | 302                  | 12                      | P                       | H               |
|                                                          | *                                                                                           | 2412                 | 93.67               | -                | -                           | 83.84                     | 27.5                          | 17.13                  | 34.8                       | 302                  | 12                      | A                       | H               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                          |                                                                                             | 2373.42              | 51.28               | -22.72           | 74                          | 41.66                     | 27.33                         | 17.08                  | 34.79                      | 100                  | 101                     | P                       | V               |
|                                                          |                                                                                             | 2389.065             | 40.42               | -13.58           | 54                          | 30.63                     | 27.49                         | 17.1                   | 34.8                       | 100                  | 101                     | A                       | V               |
|                                                          | *                                                                                           | 2412                 | 105.36              | -                | -                           | 95.53                     | 27.5                          | 17.13                  | 34.8                       | 100                  | 101                     | P                       | V               |
|                                                          | *                                                                                           | 2412                 | 96.46               | -                | -                           | 86.63                     | 27.5                          | 17.13                  | 34.8                       | 100                  | 101                     | A                       | V               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>Partial<br>52/40<br>CH 11<br>2462MHz | *                                                                                           | 2462                 | 102.21              | -                | -                           | 92.29                     | 27.52                         | 17.2                   | 34.8                       | 290                  | 13                      | P                       | H               |
|                                                          | *                                                                                           | 2462                 | 92.71               | -                | -                           | 82.79                     | 27.52                         | 17.2                   | 34.8                       | 290                  | 13                      | A                       | H               |
|                                                          |                                                                                             | 2485.48              | 52.79               | -21.21           | 74                          | 42.66                     | 27.7                          | 17.23                  | 34.8                       | 290                  | 13                      | P                       | H               |
|                                                          |                                                                                             | 2486.2               | 41.01               | -12.99           | 54                          | 30.88                     | 27.7                          | 17.23                  | 34.8                       | 290                  | 13                      | A                       | H               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                          | *                                                                                           | 2462                 | 107.48              | -                | -                           | 97.56                     | 27.52                         | 17.2                   | 34.8                       | 121                  | 99                      | P                       | V               |
|                                                          | *                                                                                           | 2462                 | 98.04               | -                | -                           | 88.12                     | 27.52                         | 17.2                   | 34.8                       | 121                  | 99                      | A                       | V               |
|                                                          |                                                                                             | 2484.08              | 57.13               | -16.87           | 74                          | 47                        | 27.7                          | 17.23                  | 34.8                       | 121                  | 99                      | P                       | V               |
|                                                          |                                                                                             | 2483.72              | 41.11               | -12.89           | 54                          | 30.98                     | 27.7                          | 17.23                  | 34.8                       | 121                  | 99                      | A                       | V               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                          |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## 2.4GHz 2400~2483.5MHz

### WIFI 802.11ax HE20 Partial 52 (Harmonic @ 3m)

[illegible]

[illegible]



## 2.4GHz 2400~2483.5MHz

## WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

| WIFI Ant.                                                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20<br>Partial<br>106/53<br>CH 01<br>2412MHz |                                                                                             | 2378.145             | 51.59               | -22.41           | 74                          | 41.93                     | 27.38                         | 17.08                  | 34.8                       | 302                  | 14                      | P                       | H               |
|                                                           |                                                                                             | 2382.765             | 40.52               | -13.48           | 54                          | 30.8                      | 27.43                         | 17.09                  | 34.8                       | 302                  | 14                      | A                       | H               |
|                                                           | *                                                                                           | 2412                 | 102.92              | -                | -                           | 93.09                     | 27.5                          | 17.13                  | 34.8                       | 302                  | 14                      | P                       | H               |
|                                                           | *                                                                                           | 2412                 | 93.53               | -                | -                           | 83.7                      | 27.5                          | 17.13                  | 34.8                       | 302                  | 14                      | A                       | H               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                           |                                                                                             | 2390                 | 51.18               | -22.82           | 74                          | 41.38                     | 27.5                          | 17.1                   | 34.8                       | 126                  | 278                     | P                       | V               |
|                                                           |                                                                                             | 2389.275             | 40.52               | -13.48           | 54                          | 30.73                     | 27.49                         | 17.1                   | 34.8                       | 126                  | 278                     | A                       | V               |
|                                                           | *                                                                                           | 2412                 | 106.76              | -                | -                           | 96.93                     | 27.5                          | 17.13                  | 34.8                       | 126                  | 278                     | P                       | V               |
|                                                           | *                                                                                           | 2412                 | 97.69               | -                | -                           | 87.86                     | 27.5                          | 17.13                  | 34.8                       | 126                  | 278                     | A                       | V               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>Partial<br>106/54<br>CH 11<br>2462MHz | *                                                                                           | 2462                 | 101.76              | -                | -                           | 91.84                     | 27.52                         | 17.2                   | 34.8                       | 290                  | 13                      | P                       | H               |
|                                                           | *                                                                                           | 2462                 | 92.31               | -                | -                           | 82.39                     | 27.52                         | 17.2                   | 34.8                       | 290                  | 13                      | A                       | H               |
|                                                           |                                                                                             | 2483.56              | 55.67               | -18.33           | 74                          | 45.54                     | 27.7                          | 17.23                  | 34.8                       | 290                  | 13                      | P                       | H               |
|                                                           |                                                                                             | 2487.08              | 41.02               | -12.98           | 54                          | 30.88                     | 27.7                          | 17.24                  | 34.8                       | 290                  | 13                      | A                       | H               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                           | *                                                                                           | 2462                 | 106.58              | -                | -                           | 96.66                     | 27.52                         | 17.2                   | 34.8                       | 121                  | 270                     | P                       | V               |
|                                                           | *                                                                                           | 2462                 | 96.51               | -                | -                           | 86.59                     | 27.52                         | 17.2                   | 34.8                       | 121                  | 270                     | A                       | V               |
|                                                           |                                                                                             | 2484.12              | 59.96               | -14.04           | 74                          | 49.83                     | 27.7                          | 17.23                  | 34.8                       | 121                  | 270                     | P                       | V               |
|                                                           |                                                                                             | 2483.52              | 41.85               | -12.15           | 54                          | 31.72                     | 27.7                          | 17.23                  | 34.8                       | 121                  | 270                     | A                       | V               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                           |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**2.4GHz 2400~2483.5MHz**

## WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

[illegible]



[illegible]

**2.4GHz 2400~2483.5MHz**

## Emission above 18GHz

## 2.4GHz WIFI 802.11n HT20 (SHF)

[illegible]

## Emission below 1GHz

**2.4GHz WIFI 802.11n HT20 (LF)**

[illegible]



**Note symbol**

|     |                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| *   | <b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| !   | Test result is <b>over limit</b> line.                                                                                                                   |
| P/A | <b>P</b> eak or <b>A</b> verage                                                                                                                          |
| H/V | <b>H</b> orizontal or <b>V</b> ertical                                                                                                                   |

**A calculation example for radiated spurious emission is shown as below:**

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
|         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =  
Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
2. Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -10.46(dB)

**Both peak and average measured complies with the limit line, so test result is “PASS”.**



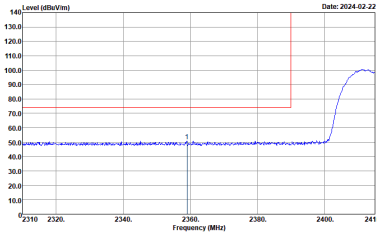
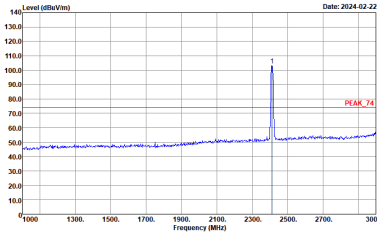
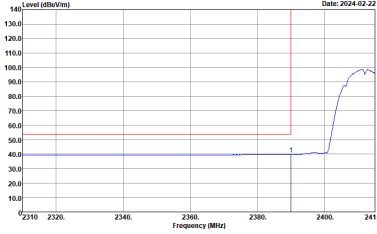
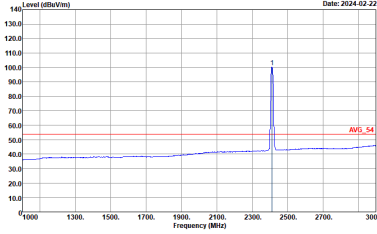
## Appendix D. Radiated Spurious Emission Plots

|                        |                                   |                            |             |
|------------------------|-----------------------------------|----------------------------|-------------|
| <b>Test Engineer :</b> | Fu Chen, Sam Chou and Troye Hsieh | <b>Temperature :</b>       | 18.9~22.1°C |
|                        |                                   | <b>Relative Humidity :</b> | 43.7~67.1%  |

### Note symbol

|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |

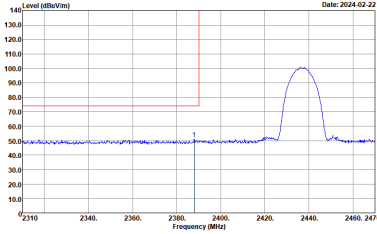
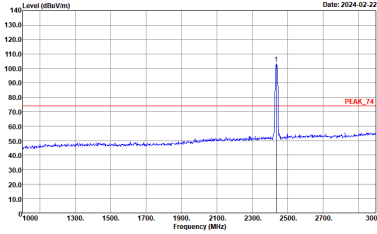
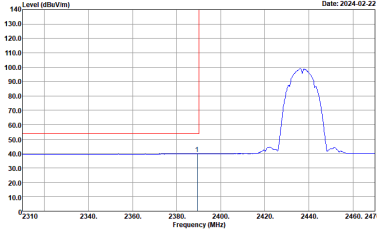
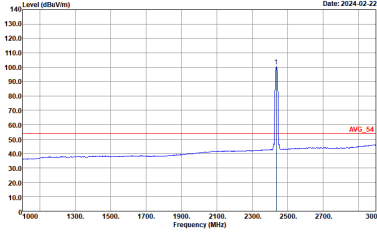
**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11b (Band Edge @ 3m)**

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH01 2412MHz                                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|      | Horizontal                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CHI1-HY<br/> Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CHI1-HY<br/> Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CHI1-HY<br/> Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CHI1-HY<br/> Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |

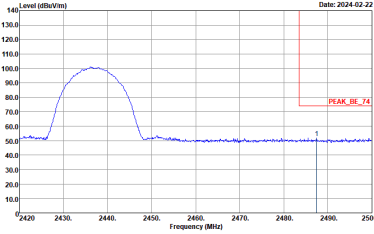
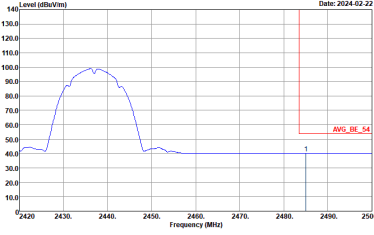


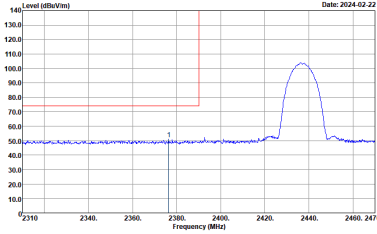
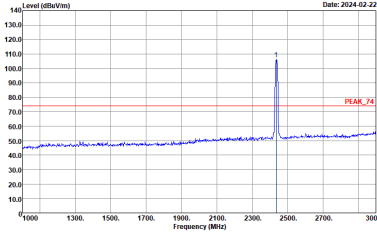
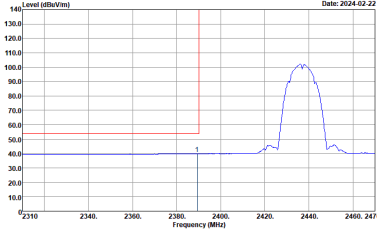
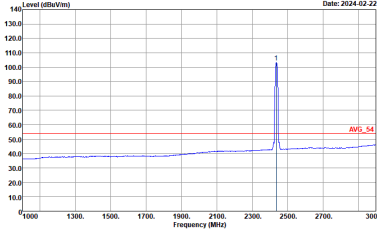
|      |                                                                                                                                             |                                                                                                                                          |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                        |                                                                                                                                          |
| ANT  | 802.11b CH01 2412MHz                                                                                                                        |                                                                                                                                          |
|      | Vertical                                                                                                                                    | Fundamental                                                                                                                              |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>     | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>     |



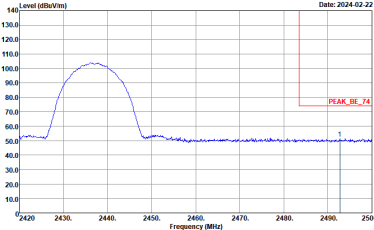
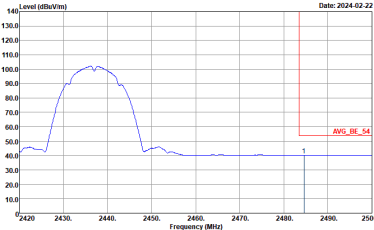
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH06 2437MHz - L                                                                                                                                                                                             |                                                                                                                                                                                                                    |
|      | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |



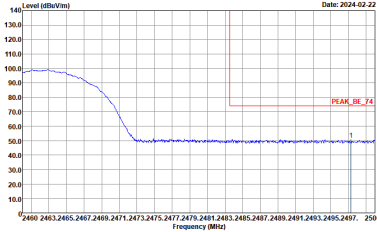
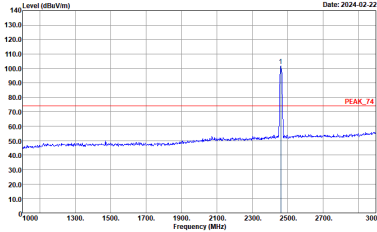
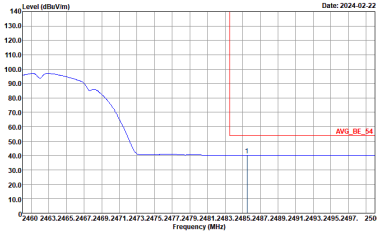
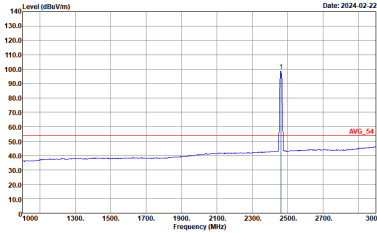
|      |                                                                                                                                                                                                                                 |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                            |             |
| ANT  | 802.11b CH06 2437MHz - R                                                                                                                                                                                                        |             |
|      | Horizontal                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11b CH06 2437MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                  |
|      | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |



|      |                                                                                                                                                                                                                               |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                          |             |
| ANT  | 802.11b CH06 2437MHz - R                                                                                                                                                                                                      |             |
|      | Vertical                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |

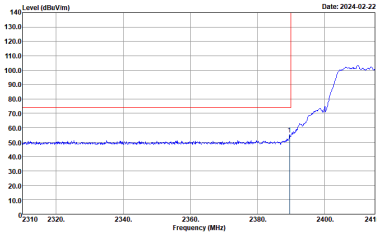
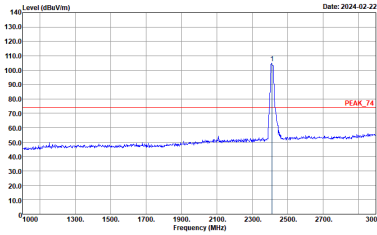
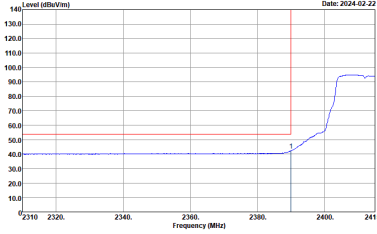
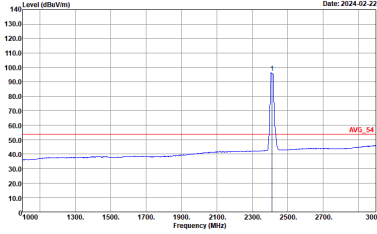


|      |                                                                                                                                                                                                                                |                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                              |
| ANT  | 802.11b CH11 2462MHz                                                                                                                                                                                                           |                                                                                                                                                                                                                              |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>   | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>   |

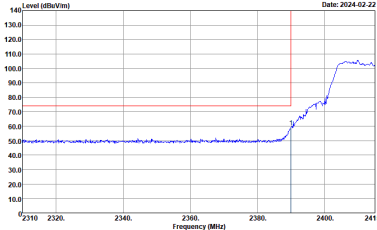
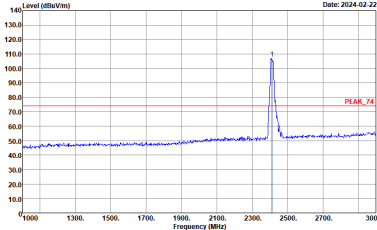
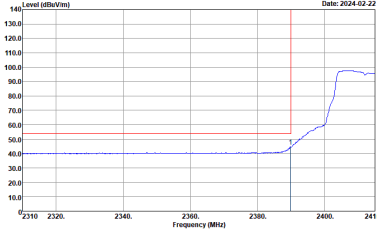
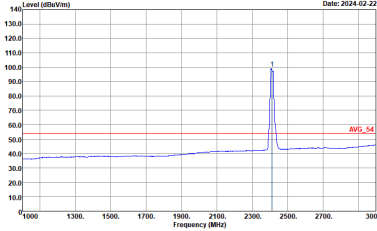


|      |                                                                                                                                             |                                                                                                                                          |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                        |                                                                                                                                          |
| ANT  | 802.11b CH11 2462MHz                                                                                                                        |                                                                                                                                          |
|      | Vertical                                                                                                                                    | Fundamental                                                                                                                              |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>     | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>     |

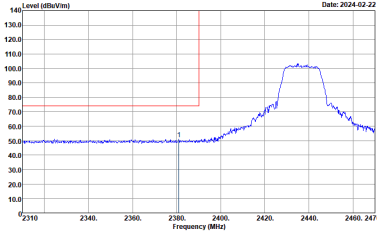
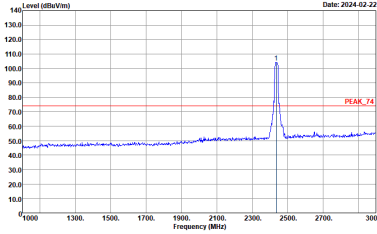
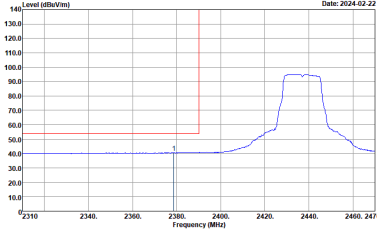
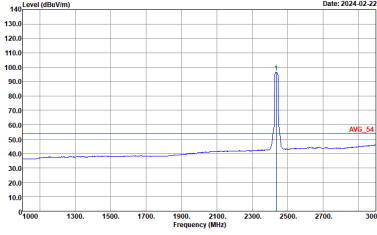
**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11g (Band Edge @ 3m)**

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH01 2412MHz                                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|      | Horizontal                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CHI1-HY<br/> Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CHI1-HY<br/> Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CHI1-HY<br/> Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CHI1-HY<br/> Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

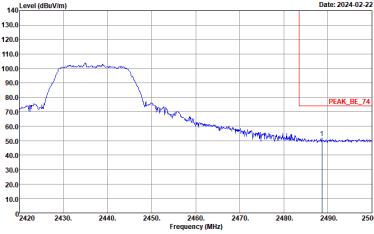
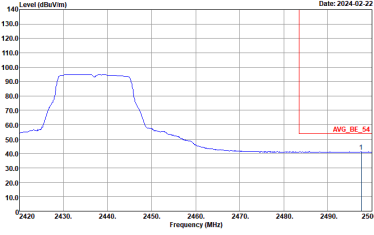


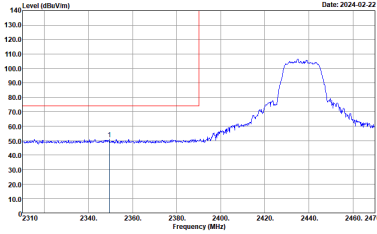
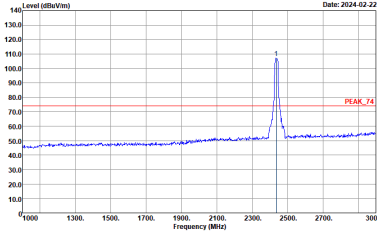
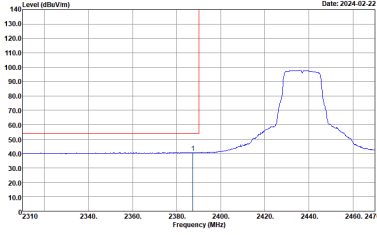
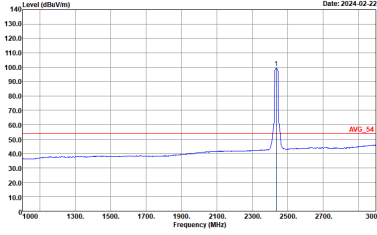
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|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                            |
| ANT  | 802.11g CH01 2412MHz                                                                                                                                                                                                         |                                                                                                                                                                                                                            |
|      | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   |



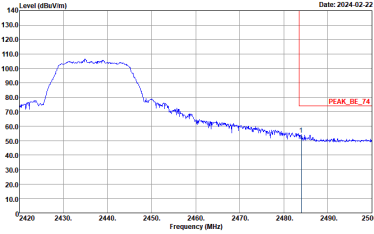
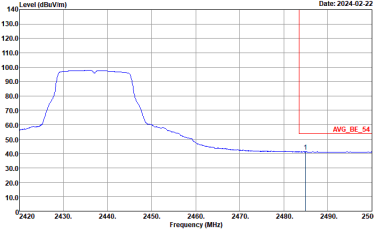
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH06 2437MHz - L                                                                                                                                                                                             |                                                                                                                                                                                                                    |
|      | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

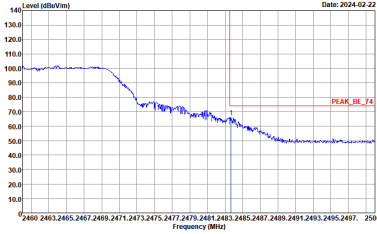
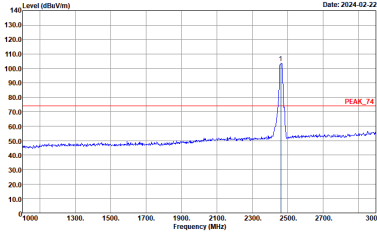
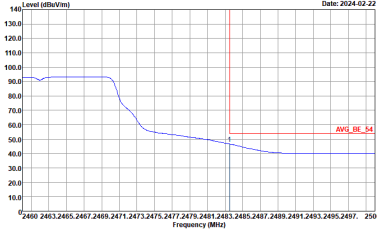
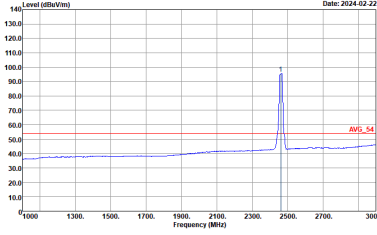


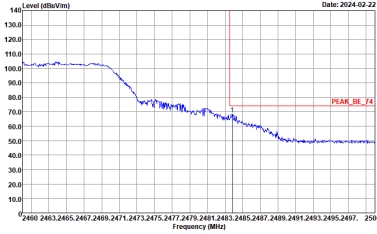
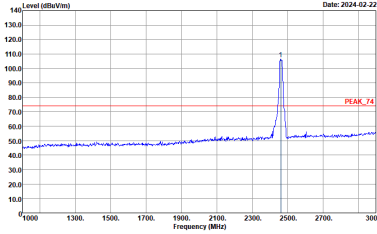
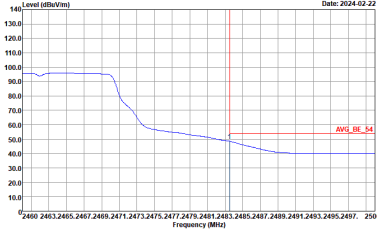
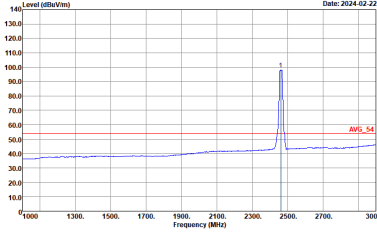
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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |             |
| ANT  | 802.11g CH06 2437MHz - R                                                                                                                                                                                                       |             |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | Left blank  |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH06 2437MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                  |
|      | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

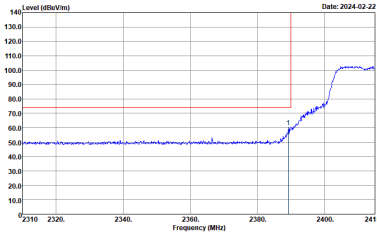
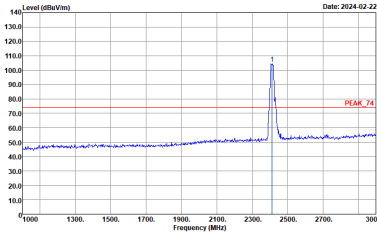
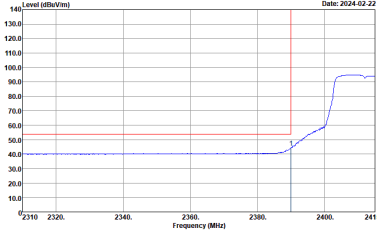
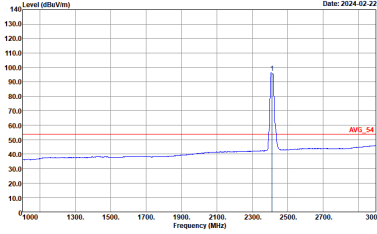


|      |                                                                                                                                                                                                                              |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                         |             |
| ANT  | 802.11g CH06 2437MHz - R                                                                                                                                                                                                     |             |
|      | Vertical                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left Blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | Left Blank  |

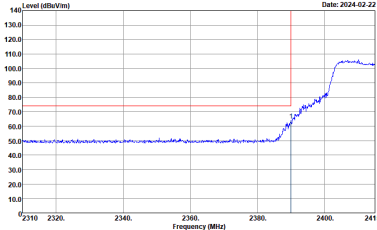
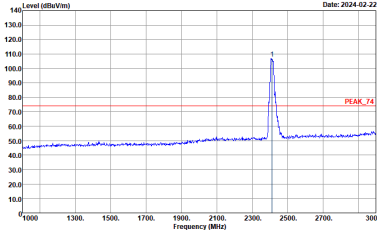
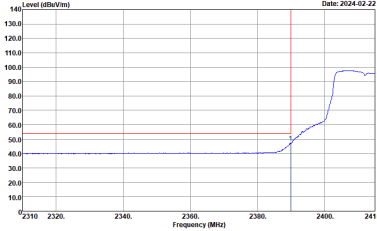
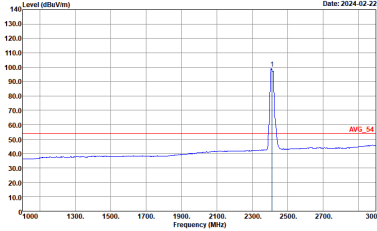
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH11 2462MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|      | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11g CH11 2462MHz                                                                                                                                                                                               |                                                                                                                                                                                                                  |
|      | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

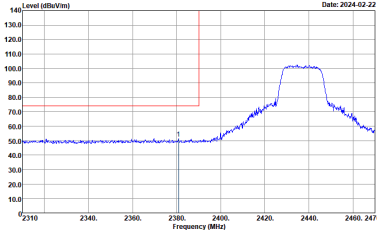
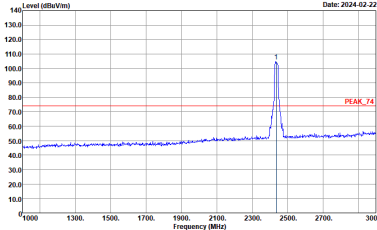
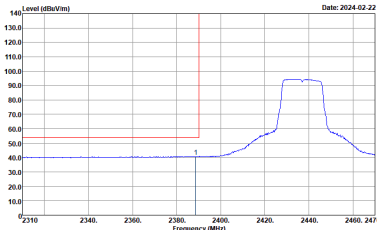
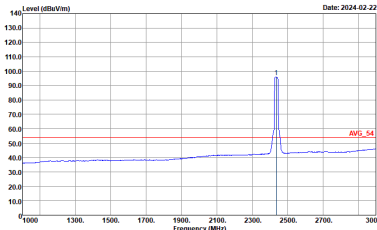
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH01 2412MHz                                                                                                                                                                                              |                                                                                                                                                                                                                      |
|      | Horizontal                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CHI1-HY<br/> Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CHI1-HY<br/> Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CHI1-HY<br/> Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CHI1-HY<br/> Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/> : RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |



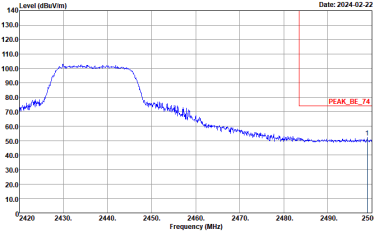
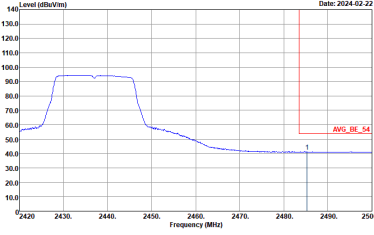
|      |                                                                                                                                                                                                                              |                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                            |
| ANT  | 802.11n HT20 CH01 2412MHz                                                                                                                                                                                                    |                                                                                                                                                                                                                            |
|      | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   |





|      |                                                                                                                                                                                                                                |                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                              |
| ANT  | 802.11n HT20 CH06 2437MHz - L                                                                                                                                                                                                  |                                                                                                                                                                                                                              |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   |

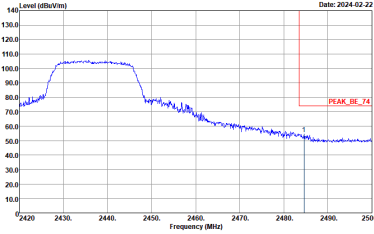
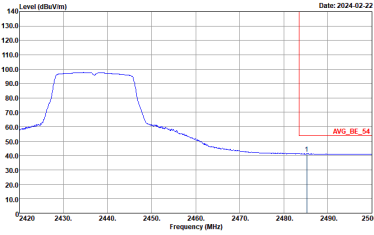


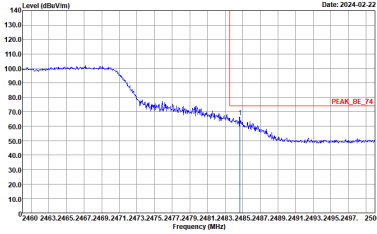
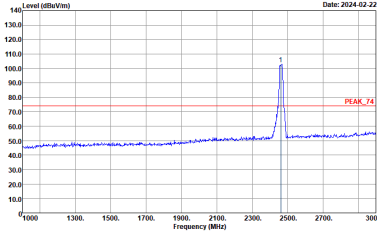
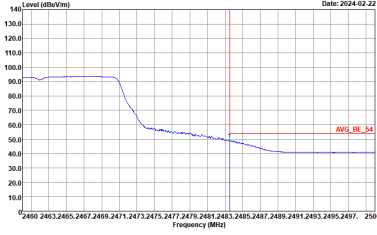
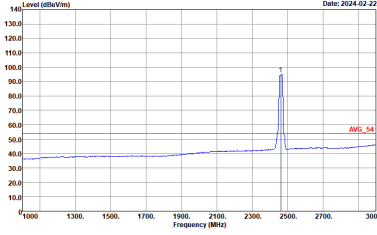
|      |                                                                                                                                                                                                                                |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |             |
| ANT  | 802.11n HT20 CH06 2437MHz - R                                                                                                                                                                                                  |             |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | Left blank  |

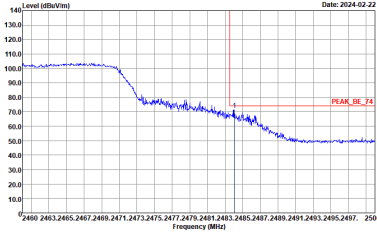
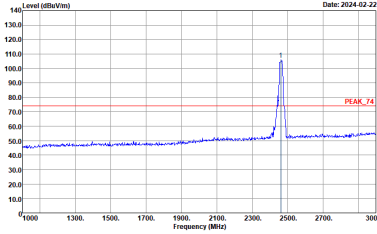
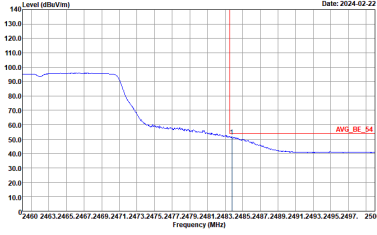
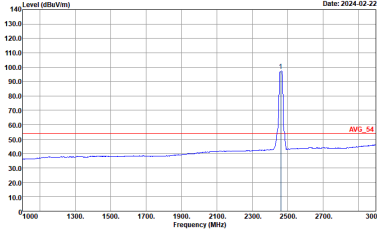


|      |                                                                                                                                             |                                                                                                                                          |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                        |                                                                                                                                          |
| ANT  | 802.11n HT20 CH06 2437MHz - L                                                                                                               |                                                                                                                                          |
|      | Vertical                                                                                                                                    | Fundamental                                                                                                                              |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>     | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>     |



|      |                                                                                                                                                                                                                              |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                         |             |
| ANT  | 802.11n HT20 CH06 2437MHz - R                                                                                                                                                                                                |             |
|      | Vertical                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left Blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | Left Blank  |

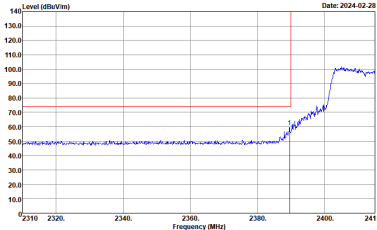
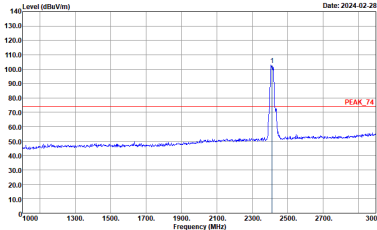
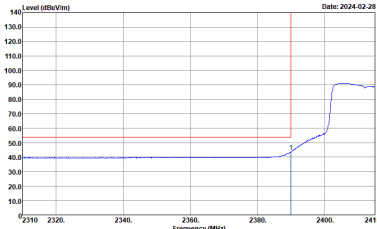
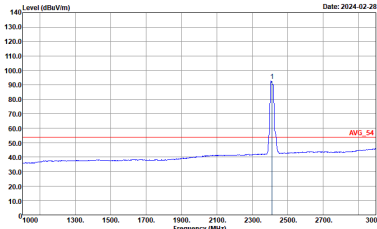
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH11 2462MHz                                                                                                                                                                                            |                                                                                                                                                                                                                    |
|      | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

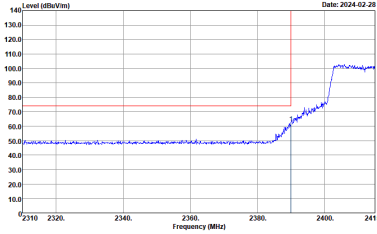
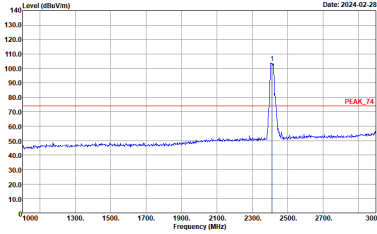
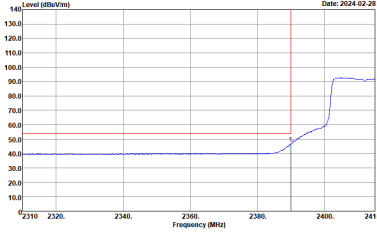
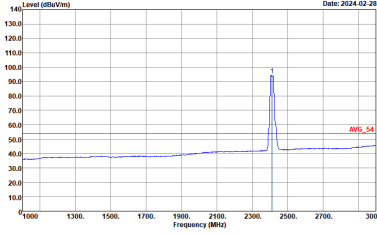
| WIFI | 2.4GHz 2400~2483.5MHz Fundamental @ 3m                                                                                                                                                                             |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH11 2462MHz                                                                                                                                                                                          |                                                                                                                                                                                                                  |
|      | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH01 2412MHz                                                                                                                                                                                                |                                                                                                                                                                                                                              |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CHI1-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CHI1-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CHI1-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p></div>   | <div><p>Site : 03CHI1-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p></div>   |

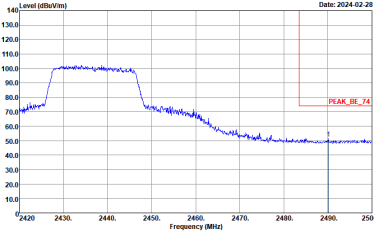
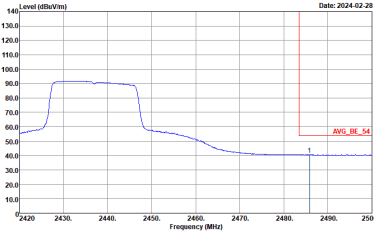
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH01 2412MHz                                                                                                                                                                                     |                                                                                                                                                                                                                   |
|      | Vertical                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |



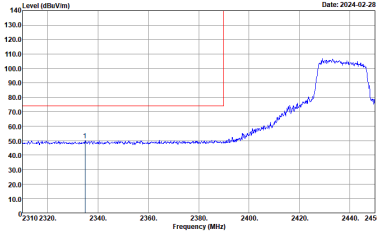
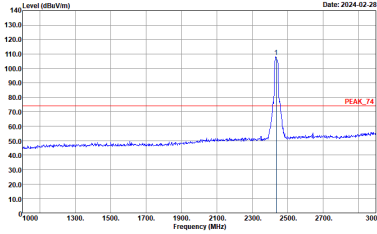
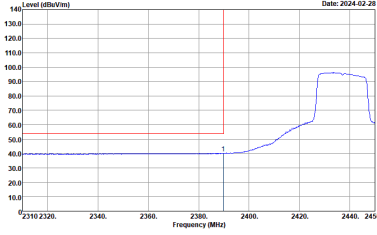
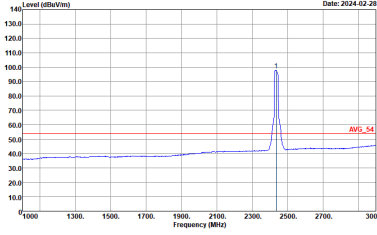


|      |                                                                                                                                               |                                                                                                                                            |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                          |                                                                                                                                            |
| ANT  | 802.11ax HE20 Full CH06 2437MHz - L                                                                                                           |                                                                                                                                            |
|      | Horizontal                                                                                                                                    | Fundamental                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div>  |

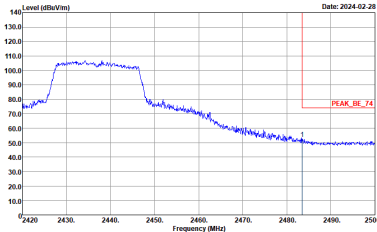
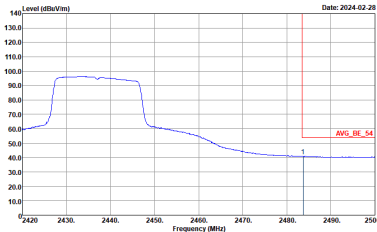


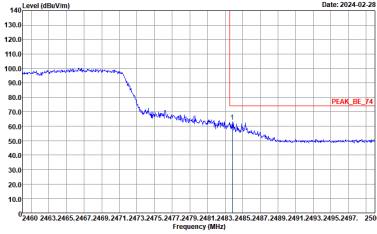
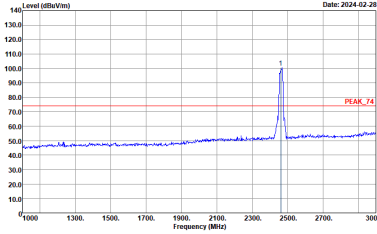
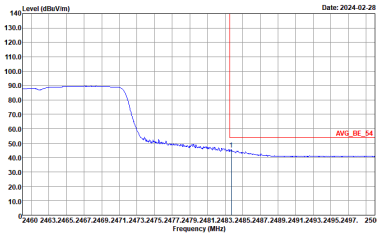
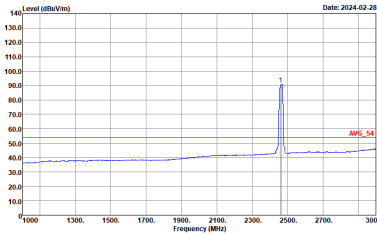
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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |             |
| ANT  | 802.11ax HE20 Full CH06 2437MHz - R                                                                                                                                                                                            |             |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p></div>   | Left blank  |

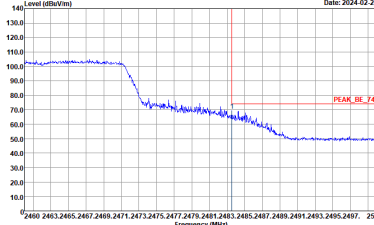
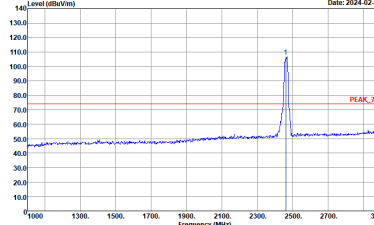
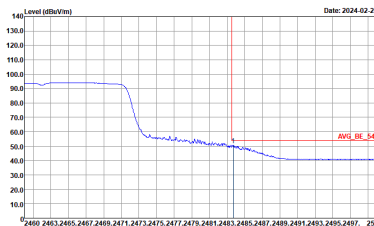
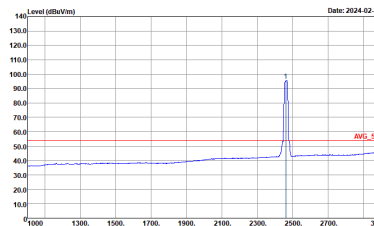


|      |                                                                                                                                                                                                                               |                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                             |
| ANT  | 802.11ax HE20 Full CH06 2437MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                             |
|      | Vertical                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div>  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |

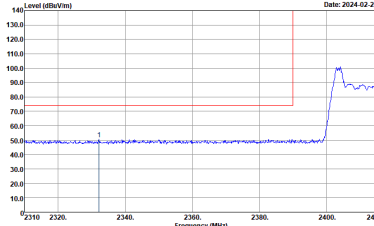
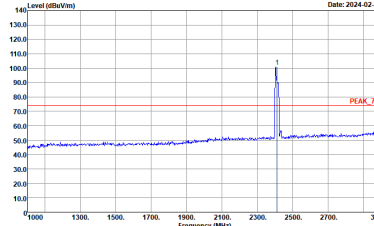
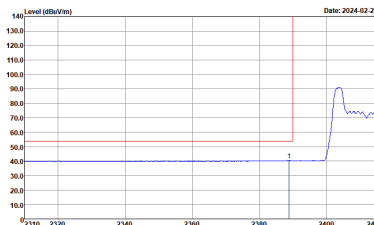
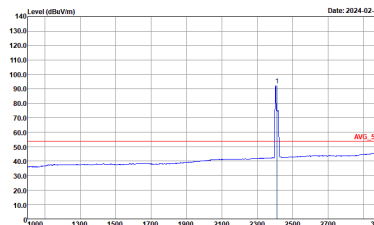


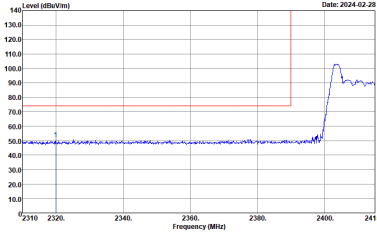
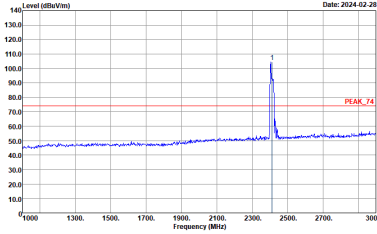
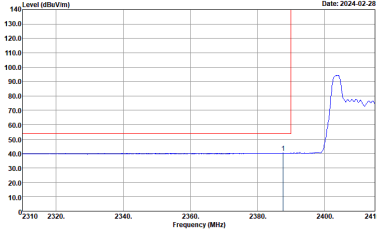
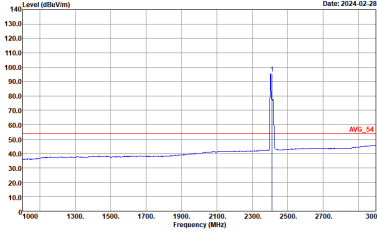
|      |                                                                                                                                                                                                                              |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                         |             |
| ANT  | 802.11ax HE20 Full CH06 2437MHz - R                                                                                                                                                                                          |             |
|      | Vertical                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p></div>   | Left blank  |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                  |                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH11 2462MHz                                                                                                                                                                                       |                                                                                                                                                                                                                     |
|      | Horizontal                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH11 2462MHz                                                                                                                                                                                     |                                                                                                                                                                                                                   |
|      | Vertical                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

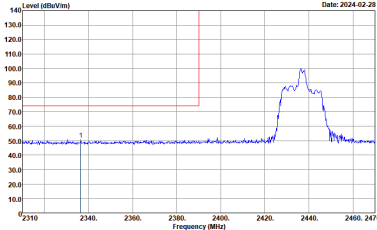
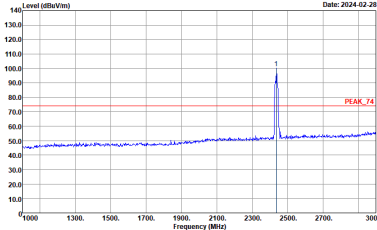
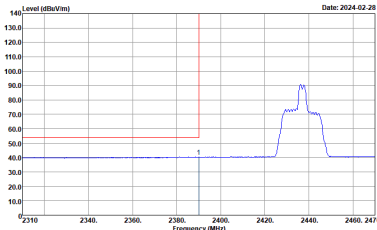
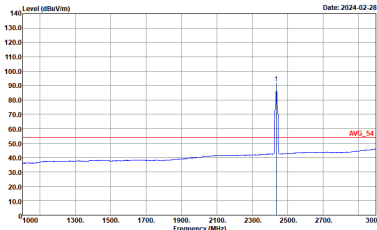
**2.4GHz 2400~2483.5MHz**
**WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)**

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/0 CH01 2412MHz                                                                                                                                                                              |                                                                                                                                                                                                                    |
|      | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CHI1-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CHI1-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CHI1-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |  <p>Site : 03CHI1-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |

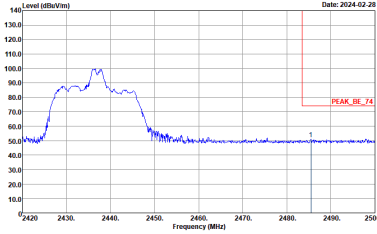
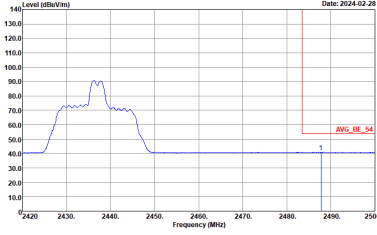
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/0 CH01 2412MHz                                                                                                                                                                            |                                                                                                                                                                                                                  |
|      | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |

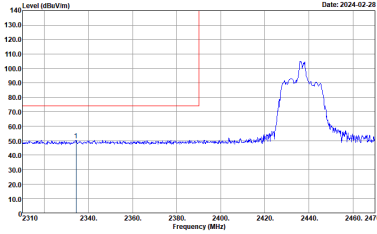
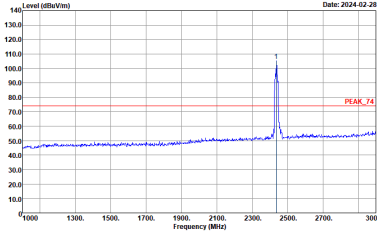
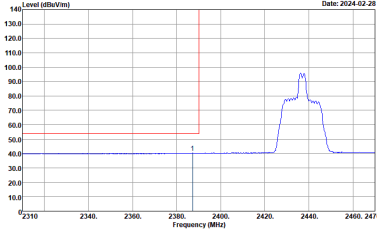
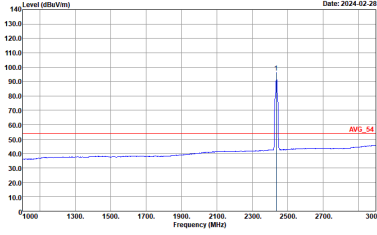




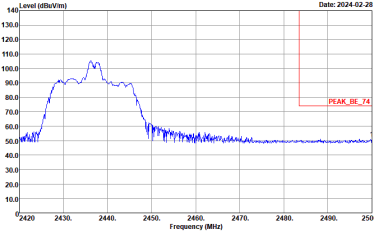
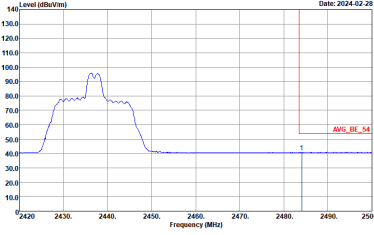
|      |                                                                                                                                                                                                                                |                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                              |
| ANT  | 802.11ax HE20 Partial 26/4 CH06 2437MHz - L                                                                                                                                                                                    |                                                                                                                                                                                                                              |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p></div>   | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p></div>   |

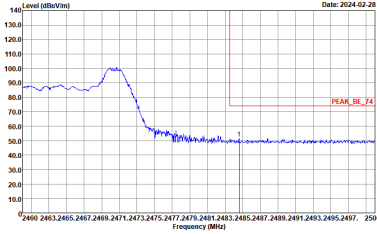
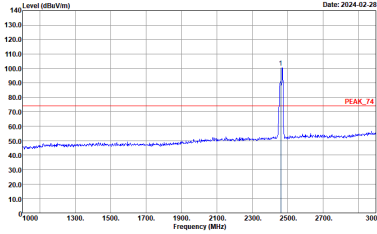
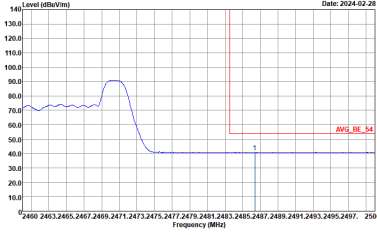
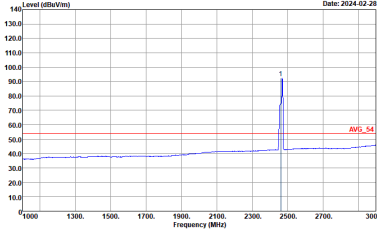


|      |                                                                                                                                                                                                                                |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                           |             |
| ANT  | 802.11ax HE20 Partial 26/4 CH06 2437MHz - R                                                                                                                                                                                    |             |
|      | Horizontal                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p></div>   | Left blank  |

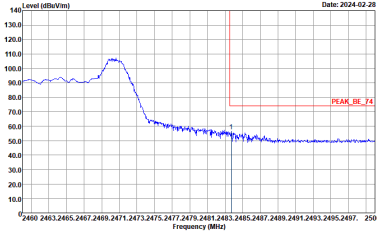
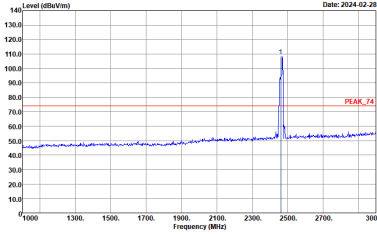
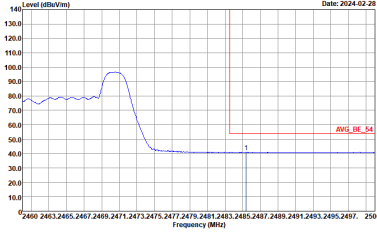
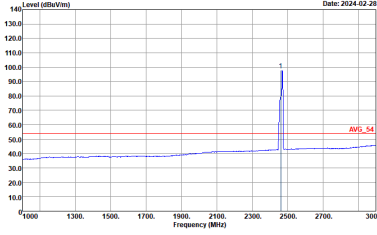
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/4 CH06 2437MHz - L                                                                                                                                                                        |                                                                                                                                                                                                                  |
|      | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |



|      |                                                                                                                                                                                                                              |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                         |             |
| ANT  | 802.11ax HE20 Partial 26/4 CH06 2437MHz - R                                                                                                                                                                                  |             |
|      | Vertical                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left Blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p></div>   | Left Blank  |

| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/8 CH11 2462MHz                                                                                                                                                                            |                                                                                                                                                                                                                  |
|      | Horizontal                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |  <p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |



|      |                                                                                                                                                                                                                              |                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | 2.4GHz 2400~2483.5MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                            |
| ANT  | 802.11ax HE20 Partial 26/8 CH11 2462MHz                                                                                                                                                                                      |                                                                                                                                                                                                                            |
|      | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p></div>   | <div><p>Site : 03CH11-HY<br/>Condition : AVG_54 3m 91200_01620_230817 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p></div>   |