

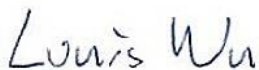


# FCC RADIO TEST REPORT

FCC ID : 2AMK2- RM02AA  
Equipment : reMarkable Paper Pro  
Brand Name : reMarkable  
Model Name : RM02A  
Applicant : reMarkable AS  
Fridtjof Nansens vei 12, 0369 Oslo, Norway  
Manufacturer : reMarkable AS  
Fridtjof Nansens vei 12, 0369 Oslo, Norway  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Mar. 29, 2024 and testing was performed from Apr. 22, 2024 to May 12, 2024. We, Sporton International Inc. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Louis Wu

**Sporton International Inc. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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## History of this test report

| Report No. | Version | Description                                                                                                      | Issue Date    |
|------------|---------|------------------------------------------------------------------------------------------------------------------|---------------|
| FR432902H  | 01      | Initial issue of report                                                                                          | Jun. 18, 2024 |
| FR432902H  | 02      | Revise applicant information<br>This report is an updated version, replacing the report issued on Jun. 18, 2024. | Jun. 27, 2024 |
|            |         |                                                                                                                  |               |
|            |         |                                                                                                                  |               |
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|            |         |                                                                                                                  |               |
|            |         |                                                                                                                  |               |
|            |         |                                                                                                                  |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                   | Result (PASS/FAIL) | Remark                                 |
|---------------|-----------------|------------------------------|--------------------|----------------------------------------|
| 3.1           | 15.407(e)       | 6dB & 26dB Bandwidth         | Pass               | -                                      |
| 3.1           | 2.1049          | 99% Occupied Bandwidth       | Reporting only     | -                                      |
| 3.2           | 15.407(a)       | Maximum E.I.R.P Output Power | Pass               | -                                      |
| 3.3           | 15.407(a)       | Power Spectral Density       | Pass               | -                                      |
| 3.4           | 15.407(b)       | Unwanted Emissions           | Pass               | 6.61 dB under the limit at 5895.00 MHz |
| 3.5           | 15.207          | AC Conducted Emission        | Pass               | 13.83 dB under the limit at 13.56 MHz  |
| 3.6           | 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: Keven Cheng**

**Report Producer: Lucy Wu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                                                                                            |                 |     |
|------------------------------------------------------------------------------------------------------------|-----------------|-----|
| <b>General Specs</b><br>Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and NFC.    |                 |     |
| <b>Antenna Type</b><br>WLAN: Monopole Antenna<br>Bluetooth: Monopole Antenna<br>NFC: Coil Inductor Antenna |                 |     |
| Antenna information                                                                                        |                 |     |
| 5850 MHz ~ 5895 MHz                                                                                        | Peak Gain (dBi) | 0.4 |

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

## 1.2 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.3 Testing Location

|                           |                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Test Site</b>          | Sporton International Inc. EMC & Wireless Communications Laboratory                                                       |
| <b>Test Site Location</b> | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City 333, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                   |
|                           | CO05-HY, 03CH07-HY                                                                                                        |

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

|                           |                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Site</b>          | Sporton International Inc. Wensan Laboratory                                                                                                     |
| <b>Test Site Location</b> | 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 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                          |
|                           | TH05-HY (TAF Code: 3786)                                                                                                                         |
| <b>Remark</b>             | The Conducted test item subcontracted to Sporton International Inc. Wensan Laboratory.                                                           |

FCC designation No.: TW1190 and TW3786



## 1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 291074 D02 EMC Measurement v01
- ♦ 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



## 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 only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

| Frequency Band             | Bandwidth | Channel | Frequency (MHz) | Note     |
|----------------------------|-----------|---------|-----------------|----------|
| 5850-5895 MHz<br>(U-NII-4) | 20 MHz    | 169     | 5845            | Straddle |
|                            |           | 173     | 5865            |          |
|                            |           | 177     | 5885            |          |
|                            | 40 MHz    | 167     | 5835            | Straddle |
|                            |           | 175     | 5875            |          |
|                            | 80 MHz    | 171     | 5855            | Straddle |
|                            | 160 MHz   | 163     | 5815            | Straddle |

**Note:** The channel noted with “straddle” spans 5.725-5.850 GHz and 5.850-5.895 GHz.

## 2.2 Test Mode

This device support 26/52/106/242/484/996-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, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

The power for 802.11n HT20/ HT40 mode is smaller than 802.11ac mode, so all other conducted and radiated test is covered by 802.11ac mode.

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

| Specification                   | MCS index /Data Rate |
|---------------------------------|----------------------|
| 802.11a                         | 6 Mbps               |
| 802.11n HT20 (Covered by VHT20) | MCS0                 |
| 802.11n HT40 (Covered by VHT40) | MCS0                 |
| 802.11ac VHT20                  | MCS0                 |
| 802.11ac VHT40                  | MCS0                 |
| 802.11ac VHT80                  | MCS0                 |
| 802.11ax HE20                   | MCS0                 |
| 802.11ax HE40                   | MCS0                 |
| 802.11ax HE80                   | MCS0                 |

| Test Cases                  |                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|
| AC<br>Conducted<br>Emission | Mode 1 : Bluetooth Link + WLAN (5GHz) Link + NFC Charging to pen 1 + USB Cable (Charging from Adapter) + Battery |

| Ch. # |        | RF test channel of UNII-4 and UNII-3 &-4 span channels |                |               |               |               |
|-------|--------|--------------------------------------------------------|----------------|---------------|---------------|---------------|
|       |        | 802.11a                                                | 802.11ac VHT20 | 802.11ax HE20 | 802.11ax HE40 | 802.11ax HE80 |
| L     | Low    | 169                                                    | -              | 169           | 167           | -             |
| M     | Middle | 173                                                    | -              | 173           | -             | 171           |
| H     | High   | 177                                                    | 177            | 177           | 175           | -             |

**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



## 2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name    | FCC ID      | Data Cable | Power Cord                                                 |
|------|-----------|------------|---------------|-------------|------------|------------------------------------------------------------|
| 1.   | WLAN AP   | ASUS       | RT-AC66U      | MSQ-RTAC66U | N/A        | Unshielded, 1.8 m                                          |
| 2.   | Notebook  | DELL       | Latitude 3420 | FCC DoC     | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 3.   | Phone     | Apple      | A1586         | N/A         | N/A        | N/A                                                        |
| 4.   | Adapter   | Aohai      | G9BR1         | FCC DoC     | N/A        | N/A                                                        |
| 5.   | Adapter   | PHILIPS    | DLP6341C      | NA          | N/A        | N/A                                                        |

## 2.5 EUT Operation Test Setup

The RF test items, utility “putty 0.78” 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

### 3 Test Result

#### 3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

##### 3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

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

26dB and 99% Occupied bandwidth are reporting only.

##### 3.1.2 Measuring Instruments

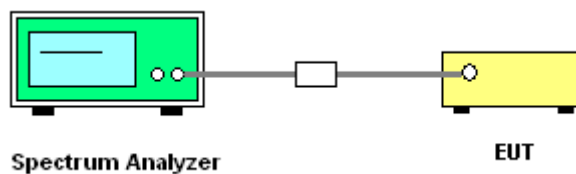
See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

The testing follows FCC KDB 291074 D02 EMC Measurement v01 Section 2.11 Minimum Emission bandwidth

1. Set RBW = 100 kHz.
2. Set the VBW  $\geq 3 \times$  RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
6. Measure and record the results in the test report.

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

## 3.2 Maximum E.I.R.P Output Power Measurement

### 3.2.1 Limit of Maximum E.I.R.P Output Power

For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

### 3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

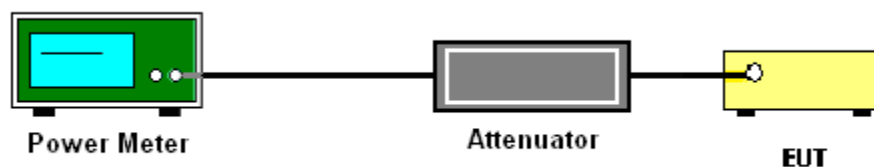
### 3.2.3 Test Procedures

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

1. For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band
2. For client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(i) 30dBm/500kHz and 15.407(a)(3)(iii) 14dBm/MHz limit, where the stringent limit 14dBm/MHz is applied.

#### 3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.3.3 Test Procedures

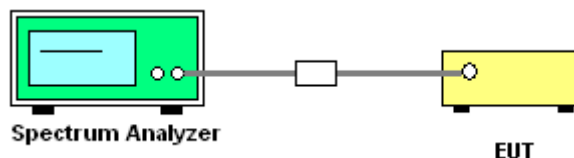
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section F) Maximum power spectral density.

##### # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging mode.
  - Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
  2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

#### 3.3.4 Test Setup



#### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

### 3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

#### 3.4.1 Limit of Unwanted Emissions

- (1) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as the following table:

| 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                                |

**Note:** The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \quad \mu\text{V/m, where P is the eirp (Watts)}$$

- (2) For transmitters operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:

15.407(b)(5)(i), all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz.

All emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

- (3) KDB789033 D02 v02r01 G)2)c)

Use guidance in KDB Publication 789033 for all measurements. Unwanted emissions outside of restricted bands are measured with an RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Unwanted band-edge emissions may be measured using the integration method as described in KDB Publication 789033 3. d) (ii). Emissions below 5725 MHz should be measured using peak-detection while emission above 5895 MHz should be measured using average.

| Frequency(GHz) | EIRP (dBm)  | Field Strength @3m distance<br>(dBuV/m) | Note    |
|----------------|-------------|-----------------------------------------|---------|
| Below 5.65     | -27dBm/MHz  | 68.2                                    | Peak    |
| 5.7            | 10dBm/MHz   | 105.2                                   | Peak    |
| 5.72           | 15.6dBm/MHz | 110.8                                   | Peak    |
| 5.725          | 27dBm/MHz   | 122.2                                   | Peak    |
| 5.895          | -5dBm/MHz   | 90.2                                    | Average |
| 5.895          | 15dBm/MHz   | 110.2                                   | Peak    |
| Above 5.925    | -27dBm/MHz  | 68.2                                    | Average |
| Above 5.925    | -7dBm/MHz   | 88.2                                    | Peak    |

**Note:** Field strength at 3 m distance is converted to EIRP as the following equation:  

$$\text{EIRP[dBm]} = \text{E[dBuV/m]} - 95.2$$

### 3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

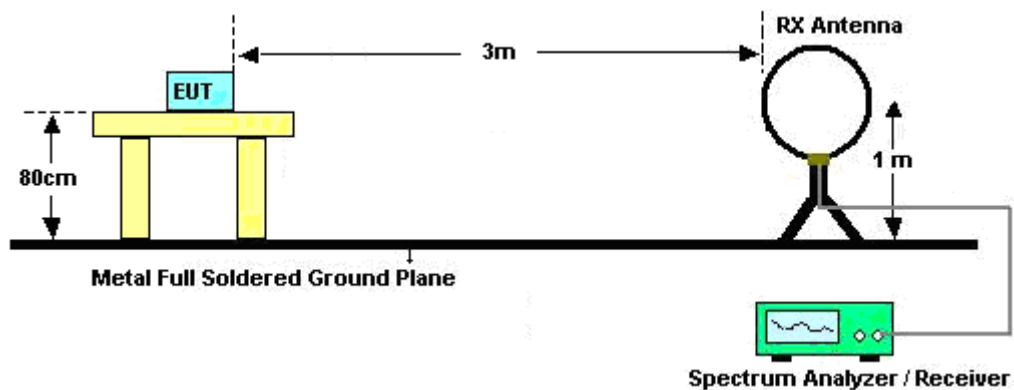
### 3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
 Section G) Unwanted emissions measurement.
  - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
    - RBW = 120 kHz
    - VBW = 300 kHz
    - Detector = Peak
    - Trace mode = max hold
  - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
    - RBW = 1 MHz
    - VBW ≥ 3 MHz
    - Detector = Peak
    - Sweep time = auto
    - Trace mode = max hold
  - (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
    - RBW = 1 MHz
    - VBW = 10 Hz, when duty cycle is no less than 98 percent.
    - $\text{VBW} \geq 1/T$ , 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.

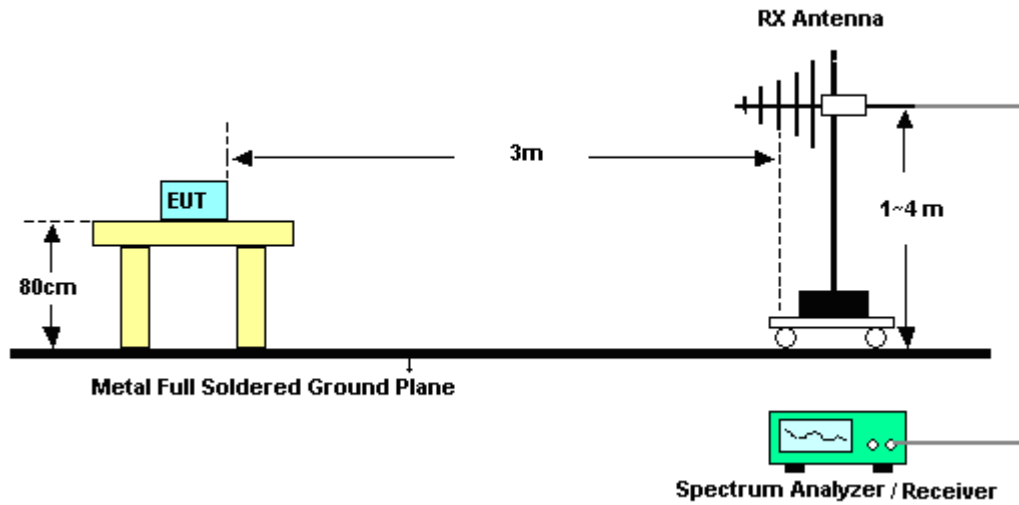
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree 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 6dB margin against average limit line, the position is marked as “-”.

### 3.4.4 Test Setup

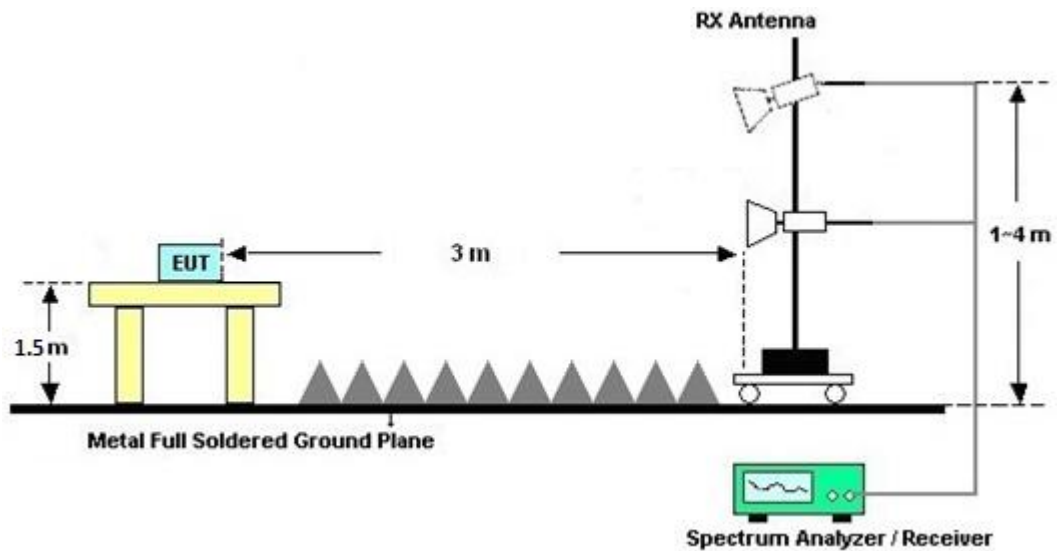
**For radiated emissions below 30MHz**



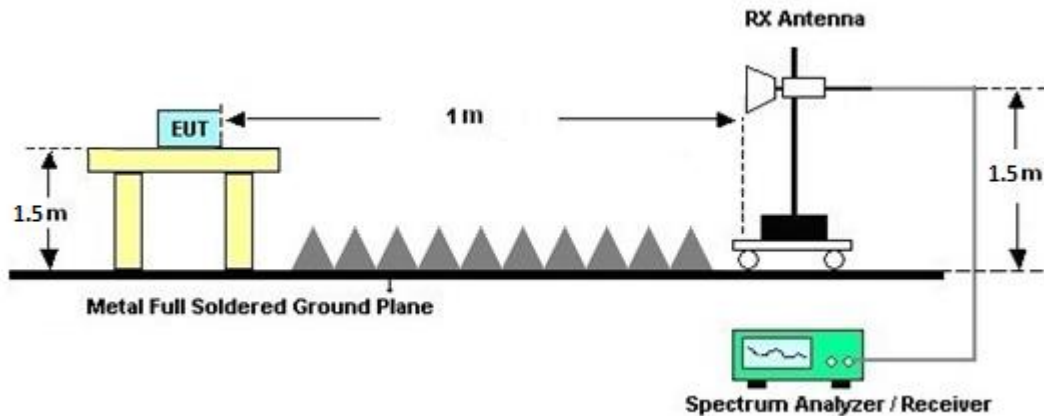
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



### 3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was 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 came out very similar.

### 3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

### 3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

### 3.5 AC Conducted Emission Measurement

#### 3.5.1 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 (MHz) | Conducted limit (dBμV) |           |
|-----------------------------|------------------------|-----------|
|                             | 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.

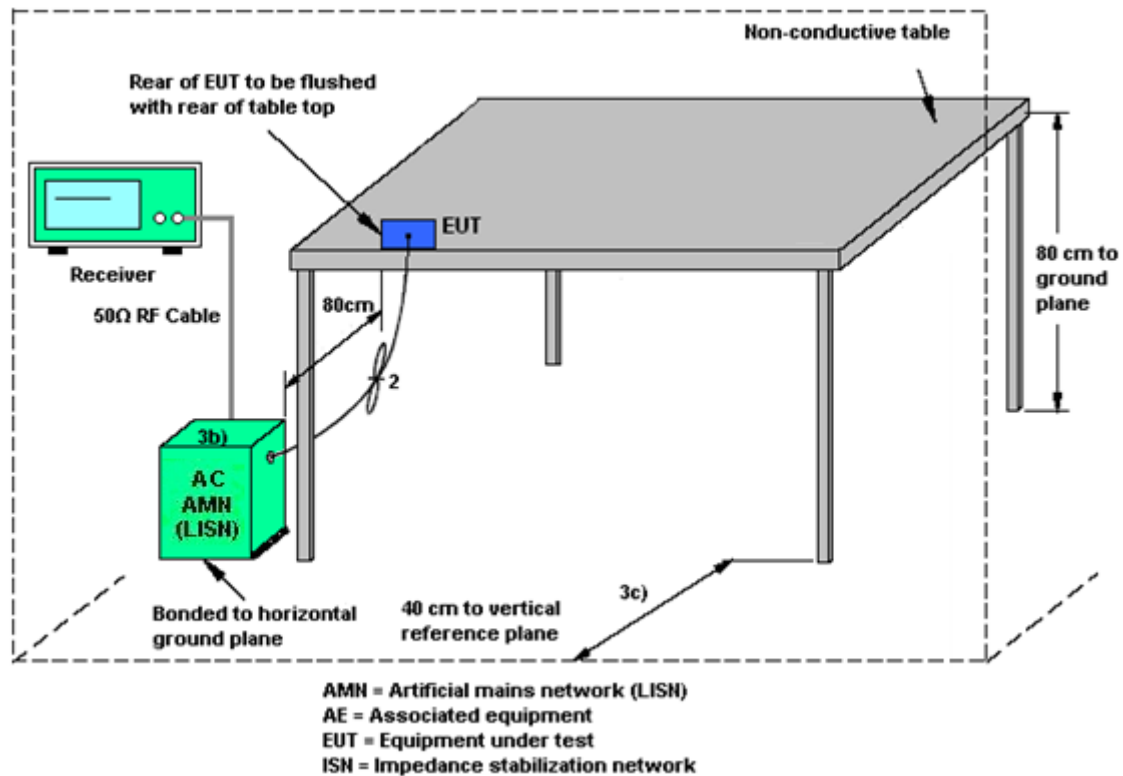
#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was 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 sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.6 Antenna Requirements**

### **3.6.1 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.

### **3.6.2 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                   |
|---------------------------|--------------------|----------------------------|-------------------------------------|-------------------------|------------------|--------------------------------|---------------|--------------------------|
| Double Ridge Horn Antenna | ETS-Lindgren       | 3117                       | 00075962                            | 1GHz ~ 18GHz            | Nov. 27, 2023    | Apr. 22, 2024~<br>May 11, 2024 | Nov. 26, 2024 | Radiation<br>(03CH07-HY) |
| Preamplifier              | MITEQ              | AMF-7D-0010180<br>0-30-10P | 1590075                             | 1GHz~18GHz              | Apr. 19, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Apr. 18, 2025 | Radiation<br>(03CH07-HY) |
| Preamplifier              | Agilent            | 8449B                      | 3008A02362                          | 1GHz~26.5GHz            | Mar. 23, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Mar. 22, 2025 | Radiation<br>(03CH07-HY) |
| Preamplifier              | EMEC               | EM18G40G                   | 0600789                             | 18-40GHz                | Jul. 25, 2023    | Apr. 22, 2024~<br>May 11, 2024 | Jul. 24, 2024 | Radiation<br>(03CH07-HY) |
| Spectrum Analyzer         | Agilent            | N9030A                     | MY52350276                          | 3Hz~44GHz               | Mar. 26, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Mar. 25, 2025 | Radiation<br>(03CH07-HY) |
| RF Cable                  | HUBER +<br>SUHNER  | SUCOFLEX 104               | MY28655/4<br>MY24971/4<br>MY15682/4 | 30MHz to 18GHz          | Feb. 21, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Feb. 20, 2025 | Radiation<br>(03CH07-HY) |
| RF Cable                  | HUBER +<br>SUHNER  | SUCOFLEX 104               | MY28655/4<br>MY24971/4              | 9kHz to 30MHz           | Feb. 21, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Feb. 20, 2025 | Radiation<br>(03CH07-HY) |
| RF Cable                  | HUBER +<br>SUHNER  | SUCOFLEX 126               | 532078/126E                         | 30MHz~18GHz             | Sep. 15, 2023    | Apr. 22, 2024~<br>May 11, 2024 | Sep. 14, 2024 | Radiation<br>(03CH07-HY) |
| RF Cable                  | HUBER +<br>SUHNER  | SUCOFLEX 102               | MY2858/2                            | 18GHz~40GHz             | Feb. 21, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Feb. 20, 2025 | Radiation<br>(03CH07-HY) |
| RF Cable                  | HUBER +<br>SUHNER  | SUCOFLEX 102               | 801606/2                            | 9KHz ~ 40GHz            | Apr. 22, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Apr. 21, 2025 | Radiation<br>(03CH07-HY) |
| Controller                | EMEC               | EM1000                     | N/A                                 | Control Ant<br>Mast     | N/A              | Apr. 22, 2024~<br>May 11, 2024 | N/A           | Radiation<br>(03CH07-HY) |
| Controller                | MF                 | MF-7802                    | N/A                                 | Control Turn table      | N/A              | Apr. 22, 2024~<br>May 11, 2024 | N/A           | Radiation<br>(03CH07-HY) |
| Antenna Mast              | EMEC               | AM-BS-4500E                | N/A                                 | Boresight mast<br>1M~4M | N/A              | Apr. 22, 2024~<br>May 11, 2024 | N/A           | Radiation<br>(03CH07-HY) |
| Turn Table                | ChainTek           | Chaintek 3000              | N/A                                 | 0~360 Degree            | N/A              | Apr. 22, 2024~<br>May 11, 2024 | N/A           | Radiation<br>(03CH07-HY) |
| Software                  | Audix              | E3                         | N/A                                 | N/A                     | N/A              | Apr. 22, 2024~<br>May 11, 2024 | N/A           | Radiation<br>(03CH07-HY) |
| USB Data<br>Logger        | TECPEL             | TR-32                      | HE17XB2495                          | N/A                     | Mar. 01, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Feb. 28, 2025 | Radiation<br>(03CH07-HY) |
| SHF-EHF Horn<br>Antenna   | SCHWARZBE<br>CK    | BBHA 9170                  | BBHA9170251                         | 18GHz~40GHz             | Nov. 24, 2023    | Apr. 22, 2024~<br>May 11, 2024 | Nov. 23, 2024 | Radiation<br>(03CH07-HY) |
| Loop Antenna              | Rohde &<br>Schwarz | HFH2-Z2                    | 100315                              | 9 kHz~30 MHz            | Feb. 23, 2024    | Apr. 22, 2024~<br>May 11, 2024 | Feb. 22, 2025 | Radiation<br>(03CH07-HY) |
| Hygrometer                | TECPEL             | DTM-303A                   | TP201996                            | N/A                     | Nov. 07, 2023    | Apr. 23, 2024~<br>May 12, 2024 | Nov. 06, 2024 | Conducted<br>(TH05-HY)   |
| Power Sensor              | DARE               | RPR3008W                   | RPR8W-2301<br>017 (NO:20)           | 10MHz~8GHz              | Jul. 26, 2023    | Apr. 23, 2024~<br>May 12, 2024 | Jul. 25, 2024 | Conducted<br>(TH05-HY)   |
| Signal<br>Analyzer        | Rohde &<br>Schwarz | FSV40                      | 101397                              | 10Hz~40GHz              | Aug. 30, 2023    | Apr. 23, 2024~<br>May 12, 2024 | Aug. 31, 2024 | Conducted<br>(TH05-HY)   |
| DC Power<br>Supply        | GW Instek          | GPE-2323                   | GEU810970                           | 0V~64V ; 0A~6A          | Nov. 16, 2023    | Apr. 23, 2024~<br>May 12, 2024 | Nov. 15, 2024 | Conducted<br>(TH05-HY)   |
| AC Power<br>Source        | ChainTek           | APC-1000W                  | N/A                                 | N/A                     | N/A              | Apr. 27, 2024                  | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test<br>Receiver      | Rohde &<br>Schwarz | ESR3                       | 102388                              | 9kHz~3.6GHz             | Dec. 06, 2023    | Apr. 27, 2024                  | Dec. 05, 2024 | Conduction<br>(CO05-HY)  |
| Hygrometer                | Testo              | 608-H1                     | 34913912                            | N/A                     | Oct. 26, 2023    | Apr. 27, 2024                  | Oct. 25, 2024 | Conduction<br>(CO05-HY)  |
| LISN                      | Rohde &<br>Schwarz | ENV216                     | 100081                              | 9kHz~30MHz              | Nov. 22, 2023    | Apr. 27, 2024                  | Nov. 21, 2024 | Conduction<br>(CO05-HY)  |
| Software                  | Rohde &<br>Schwarz | EMC32                      | N/A                                 | N/A                     | N/A              | Apr. 27, 2024                  | N/A           | Conduction<br>(CO05-HY)  |
| Pulse Limiter             | SCHWARZBE<br>CK    | VTSD 9561-F N              | 00691                               | N/A                     | Jul. 28, 2023    | Apr. 27, 2024                  | Jul. 27, 2024 | Conduction<br>(CO05-HY)  |
| LISN Cable                | MVE                | RG-400                     | 260260                              | N/A                     | Dec. 28, 2023    | Apr. 27, 2024                  | Dec. 27, 2024 | Conduction<br>(CO05-HY)  |

## 5 Measurement Uncertainty

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

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.5 dB |
|-------------------------------------------------------------------------|--------|

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

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.3 dB |
|-------------------------------------------------------------------------|--------|

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

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.6 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: | Kevin Xiao          | Temperature:       | 21~25 | °C |
| Test Date:     | 2024/4/23~2024/5/12 | Relative Humidity: | 51~54 | %  |

**TEST RESULTS DATA**  
**6dB and 26dB EBW and 99% OBW**

| UNII-4 single antenna |           |     |     |             |                     |       |                      |       |                      |       |                                 |           |
|-----------------------|-----------|-----|-----|-------------|---------------------|-------|----------------------|-------|----------------------|-------|---------------------------------|-----------|
| Mod.                  | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26dB Bandwidth (MHz) |       | 6 dB Bandwidth (MHz) |       | 6 dB Bandwidth Min. Limit (MHz) | Pass/Fail |
|                       |           |     |     |             | Ant 1               | Ant 2 | Ant 1                | Ant 2 | Ant 1                | Ant 2 |                                 |           |
| 11a                   | 6Mbps     | 1   | 169 | 5845        | 16.83               | -     | 20.14                | -     | 16.35                | -     | 0.5                             | Pass      |
| 11a                   | 6Mbps     | 1   | 173 | 5865        | 16.78               | -     | 19.94                | -     | 16.35                | -     | 0.5                             | Pass      |
| 11a                   | 6Mbps     | 1   | 177 | 5885        | 16.88               | -     | 19.90                | -     | 16.35                | -     | 0.5                             | Pass      |
| VHT20                 | MCS0      | 1   | 169 | 5845        | 17.73               | -     | 20.38                | -     | 17.07                | -     | 0.5                             | Pass      |
| VHT20                 | MCS0      | 1   | 173 | 5865        | 17.73               | -     | 20.43                | -     | 17.53                | -     | 0.5                             | Pass      |
| VHT20                 | MCS0      | 1   | 177 | 5885        | 17.78               | -     | 20.47                | -     | 17.53                | -     | 0.5                             | Pass      |
| VHT40                 | MCS0      | 1   | 167 | 5835        | 36.76               | -     | 41.97                | -     | 35.46                | -     | 0.5                             | Pass      |
| VHT40                 | MCS0      | 1   | 175 | 5875        | 36.76               | -     | 41.62                | -     | 35.67                | -     | 0.5                             | Pass      |
| VHT80                 | MCS0      | 1   | 171 | 5855        | 76.48               | -     | 81.86                | -     | 76.35                | -     | 0.5                             | Pass      |

**TEST RESULTS DATA**  
**Average Power Table**

| UNII-4 single antenna |           |     |     |             |                               |       |     |                                 |       |          |       |           |
|-----------------------|-----------|-----|-----|-------------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|-----------|
| Mod.                  | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                       |           |     |     |             | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a                   | 6Mbps     | 1   | 169 | 5845        | 8.80                          | -     | -   | 30.00                           | -     | 0.40     | -     | Pass      |
| 11a                   | 6Mbps     | 1   | 173 | 5865        | 8.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| 11a                   | 6Mbps     | 1   | 177 | 5885        | 8.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HT20                  | MCS0      | 1   | 169 | 5845        | 8.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HT20                  | MCS0      | 1   | 173 | 5865        | 8.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HT20                  | MCS0      | 1   | 177 | 5885        | 8.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HT40                  | MCS0      | 1   | 167 | 5835        | 8.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HT40                  | MCS0      | 1   | 175 | 5875        | 8.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| VHT20                 | MCS0      | 1   | 169 | 5845        | 8.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| VHT20                 | MCS0      | 1   | 173 | 5865        | 8.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| VHT20                 | MCS0      | 1   | 177 | 5885        | 8.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| VHT40                 | MCS0      | 1   | 167 | 5835        | 8.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| VHT40                 | MCS0      | 1   | 175 | 5875        | 8.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| VHT80                 | MCS0      | 1   | 171 | 5855        | 8.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |

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

| UNII-4 single antenna |           |     |     |             |                  |       |                                                  |       |     |          |       |                    |       |                          |       |            |
|-----------------------|-----------|-----|-----|-------------|------------------|-------|--------------------------------------------------|-------|-----|----------|-------|--------------------|-------|--------------------------|-------|------------|
| Mod.                  | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |     | DG (dBi) |       | EIRP PSD (dBm/MHz) |       | EIRP PSD Limit (dBm/MHz) |       | Pass /Fail |
|                       |           |     |     |             | Ant 1            | Ant 2 | Ant 1                                            | Ant 2 | SUM | Ant 1    | Ant 2 | Ant 1              | Ant 2 | Ant 1                    | Ant 2 |            |
| 11a                   | 6Mbps     | 1   | 169 | 5845        | 0.05             | -     | -2.88                                            | -     | -   | 0.40     | -     | -2.48              | -     | 14.00                    | 14.00 | Pass       |
| 11a                   | 6Mbps     | 1   | 173 | 5865        | 0.05             | -     | -2.94                                            | -     |     | 0.40     | -     | -2.54              | -     | 14.00                    | 14.00 | Pass       |
| 11a                   | 6Mbps     | 1   | 177 | 5885        | 0.05             | -     | -3.02                                            | -     |     | 0.40     | -     | -2.62              | -     | 14.00                    | 14.00 | Pass       |
| VHT20                 | MCS0      | 1   | 169 | 5845        | 0.05             | -     | -2.94                                            | -     |     | 0.40     | -     | -2.54              | -     | 14.00                    | 14.00 | Pass       |
| VHT20                 | MCS0      | 1   | 173 | 5865        | 0.05             | -     | -3.09                                            | -     |     | 0.40     | -     | -2.69              | -     | 14.00                    | 14.00 | Pass       |
| VHT20                 | MCS0      | 1   | 177 | 5885        | 0.05             | -     | -3.13                                            | -     |     | 0.40     | -     | -2.73              | -     | 14.00                    | 14.00 | Pass       |
| VHT40                 | MCS0      | 1   | 167 | 5835        | 0.10             | -     | -5.99                                            | -     |     | 0.40     | -     | -5.59              | -     | 14.00                    | 14.00 | Pass       |
| VHT40                 | MCS0      | 1   | 175 | 5875        | 0.10             | -     | -6.11                                            | -     |     | 0.40     | -     | -5.71              | -     | 14.00                    | 14.00 | Pass       |
| VHT80                 | MCS0      | 1   | 171 | 5855        | 0.20             | -     | -9.81                                            | -     |     | 0.40     | -     | -9.41              | -     | 14.00                    | 14.00 | Pass       |

**TEST RESULTS DATA**  
**6dB and 26dB EBW and 99% OBW**

| UNII-4 single antenna |           |     |     |             |            |                     |       |                      |       |                      |       |                                 |           |
|-----------------------|-----------|-----|-----|-------------|------------|---------------------|-------|----------------------|-------|----------------------|-------|---------------------------------|-----------|
| Mod.                  | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) |       | 26dB Bandwidth (MHz) |       | 6 dB Bandwidth (MHz) |       | 6 dB Bandwidth Min. Limit (MHz) | Pass/Fail |
|                       |           |     |     |             |            | Ant 1               | Ant 2 | Ant 1                | Ant 2 | Ant 1                | Ant 2 |                                 |           |
| HE20                  | MCS0      | 1   | 169 | 5845        | Full       | 18.78               | -     | 20.70                | -     | 18.36                | -     | 0.5                             | Pass      |
| HE20                  | MCS0      | 1   | 173 | 5865        | Full       | 18.78               | -     | 20.70                | -     | 18.27                | -     | 0.5                             | Pass      |
| HE20                  | MCS0      | 1   | 177 | 5885        | Full       | 18.78               | -     | 20.58                | -     | 18.43                | -     | 0.5                             | Pass      |
| HE40                  | MCS0      | 1   | 167 | 5835        | Full       | 37.96               | -     | 41.63                | -     | 36.39                | -     | 0.5                             | Pass      |
| HE40                  | MCS0      | 1   | 175 | 5875        | Full       | 37.86               | -     | 41.60                | -     | 36.41                | -     | 0.5                             | Pass      |
| HE80                  | MCS0      | 1   | 171 | 5855        | Full       | 77.68               | -     | 80.90                | -     | 77.90                | -     | 0.5                             | Pass      |

**TEST RESULTS DATA**  
**Average Power Table**

| Band IV single antenna |           |     |     |             |            |                               |       |     |                                 |       |          |       |           |
|------------------------|-----------|-----|-----|-------------|------------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|-----------|
| Mod.                   | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                        |           |     |     |             |            | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| HE20                   | MCS0      | 1   | 169 | 5845        | Full       | 8.90                          | -     | -   | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 169 | 5845        | 26/0       | -0.50                         | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 169 | 5845        | 52/37      | 1.80                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 169 | 5845        | 106/53     | 5.10                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 173 | 5865        | Full       | 8.90                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 173 | 5865        | 26/4       | 0.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 173 | 5865        | 52/38      | 2.30                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 173 | 5865        | 106/53     | 5.20                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 177 | 5885        | Full       | 8.90                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 177 | 5885        | 26/8       | -0.60                         | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 177 | 5885        | 52/40      | 1.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE20                   | MCS0      | 1   | 177 | 5885        | 106/54     | 5.10                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE40                   | MCS0      | 1   | 167 | 5835        | Full       | 8.90                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE40                   | MCS0      | 1   | 167 | 5835        | 242/61     | 5.70                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE40                   | MCS0      | 1   | 175 | 5875        | Full       | 8.90                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE40                   | MCS0      | 1   | 175 | 5875        | 242/62     | 5.60                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE80                   | MCS0      | 1   | 171 | 5855        | Full       | 8.90                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE80                   | MCS0      | 1   | 171 | 5855        | 484/65     | 5.30                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |
| HE80                   | MCS0      | 1   | 171 | 5855        | 484/66     | 5.20                          | -     |     | 30.00                           | -     | 0.40     | -     | Pass      |

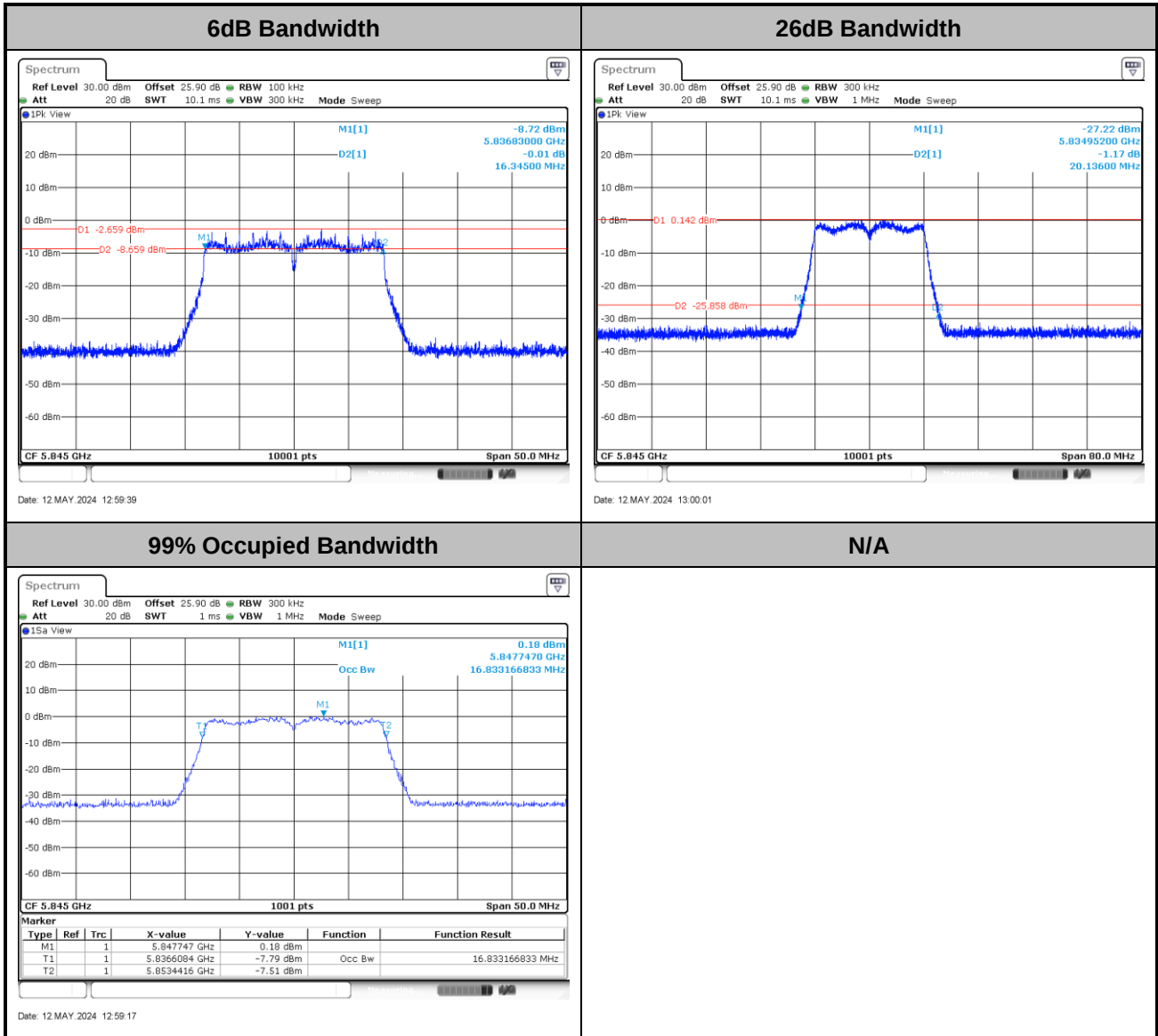
**TEST RESULTS DATA**  
**Power Spectral Density**

| UNII-4 single antenna |           |                 |     |             |            |                  |       |                                                  |       |      |          |       |                    |       |                          |       |             |
|-----------------------|-----------|-----------------|-----|-------------|------------|------------------|-------|--------------------------------------------------|-------|------|----------|-------|--------------------|-------|--------------------------|-------|-------------|
| Mod.                  | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) |       | Average Power Density with Duty Factor (dBm/MHz) |       |      | DG (dBi) |       | EIRP PSD (dBm/MHz) |       | EIRP PSD Limit (dBm/MHz) |       | Pass. /Fail |
|                       |           |                 |     |             |            | Ant 1            | Ant 2 | Ant 1                                            | Ant 2 | SUM  | Ant 1    | Ant 2 | Ant 1              | Ant 2 | Ant 1                    | Ant 2 |             |
| HE20                  | MCS0      | 1               | 169 | 5845        | Full       | 0.06             | -     | -3.03                                            | -     |      | 0.40     | -     | -2.63              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 169 | 5845        | 26/0       | 0.05             | -     | -3.14                                            | -     |      | 0.40     | -     | -2.74              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 169 | 5845        | 52/37      | 0.06             | -     | -3.39                                            | -     |      | 0.40     | -     | -2.99              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 169 | 5845        | 106/53     | 0.05             | -     | -3.19                                            | -     |      | 0.40     | -     | -2.79              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 173 | 5865        | Full       | 0.06             | -     | -3.12                                            | -     |      | 0.40     | -     | -2.72              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 173 | 5865        | 26/4       | 0.05             | -     | -3.25                                            | -     |      | 0.40     | -     | -2.85              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 173 | 5865        | 52/38      | 0.06             | -     | -3.21                                            | -     |      | 0.40     | -     | -2.81              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 173 | 5865        | 106/53     | 0.05             | -     | -3.30                                            | -     |      | 0.40     | -     | -2.90              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 177 | 5885        | Full       | 0.06             | -     | -3.17                                            | -     |      | 0.40     | -     | -2.77              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 177 | 5885        | 26/8       | 0.05             | -     | -3.18                                            | -     |      | 0.40     | -     | -2.78              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 177 | 5885        | 52/40      | 0.06             | -     | -3.51                                            | -     |      | 0.40     | -     | -3.11              | -     | 14.00                    | 14.00 | Pass        |
| HE20                  | MCS0      | 1               | 177 | 5885        | 106/54     | 0.05             | -     | -3.65                                            | -     |      | 0.40     | -     | -3.25              | -     | 14.00                    | 14.00 | Pass        |
| HE40                  | MCS0      | 1               | 167 | 5835        | Full       | 0.12             | -     | -5.94                                            | -     |      | 0.40     | -     | -5.54              | -     | 14.00                    | 14.00 | Pass        |
| HE40                  | MCS0      | 1               | 167 | 5835        | 242/61     | 0.05             | -     | -6.16                                            | -     |      | 0.40     | -     | -5.76              | -     | 14.00                    | 14.00 | Pass        |
| HE40                  | MCS0      | 1               | 175 | 5875        | Full       | 0.12             | -     | -6.01                                            | -     |      | 0.40     | -     | -5.61              | -     | 14.00                    | 14.00 | Pass        |
| HE40                  | MCS0      | 1               | 175 | 5875        | 242/62     | 0.05             | -     | -6.23                                            | -     | 0.40 | -        | -5.83 | -                  | 14.00 | 14.00                    | Pass  |             |
| HE80                  | MCS0      | 1               | 171 | 5855        | Full       | 0.23             | -     | -8.96                                            | -     | 0.40 | -        | -8.56 | -                  | 14.00 | 14.00                    | Pass  |             |
| HE80                  | MCS0      | 1               | 171 | 5855        | 484/65     | 0.06             | -     | -9.49                                            | -     | 0.40 | -        | -9.09 | -                  | 14.00 | 14.00                    | Pass  |             |
| HE80                  | MCS0      | 1               | 171 | 5855        | 484/66     | 0.06             | -     | -9.45                                            | -     | 0.40 | -        | -9.05 | -                  | 14.00 | 14.00                    | Pass  |             |

**Test Result of 6dB and 26dB and 99% Occupied Bandwidth**

&lt;Ant. 1&gt;

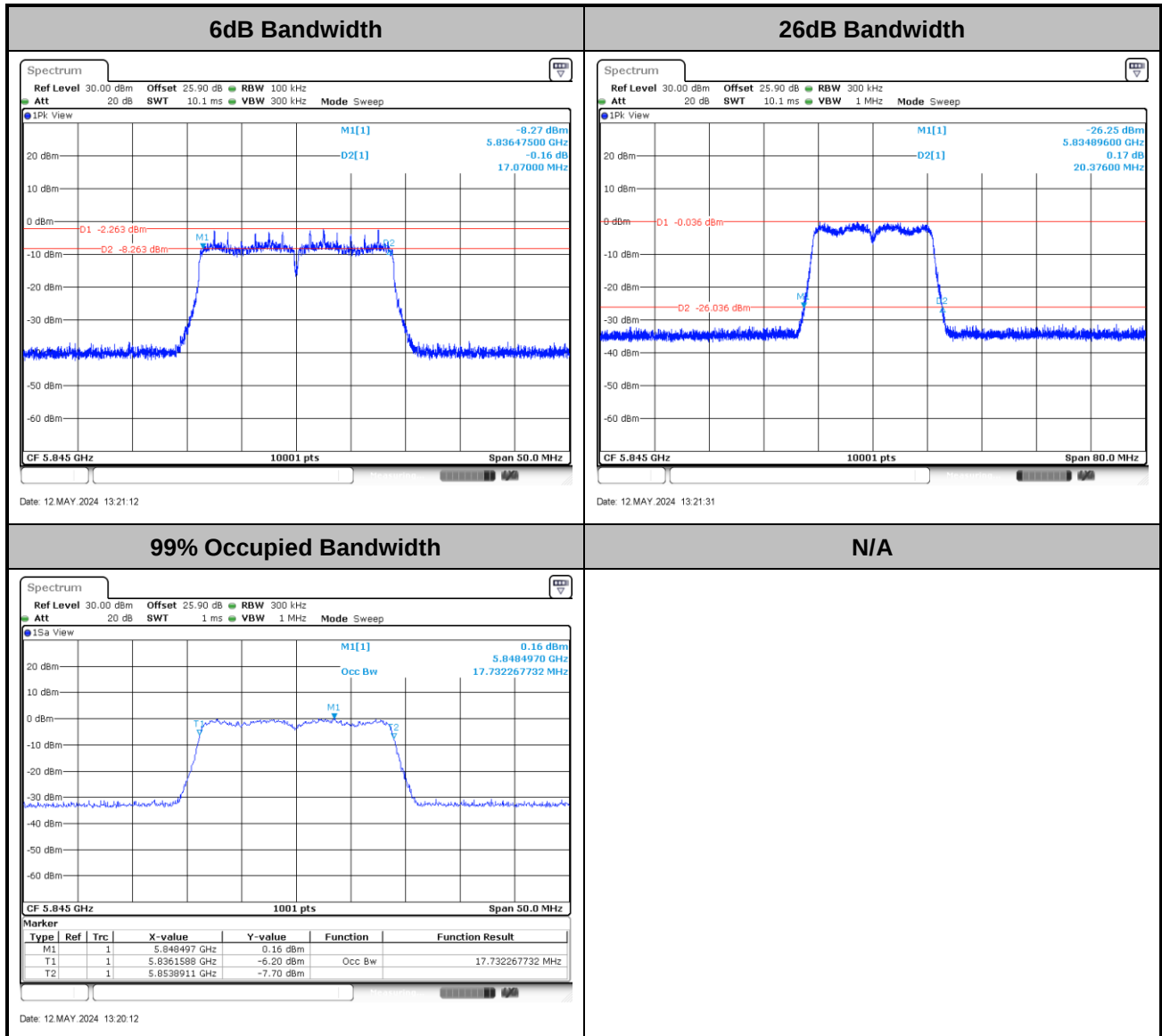
&lt;802.11a&gt;



Note: The occupied channel bandwidth is maintained within the band of operation.



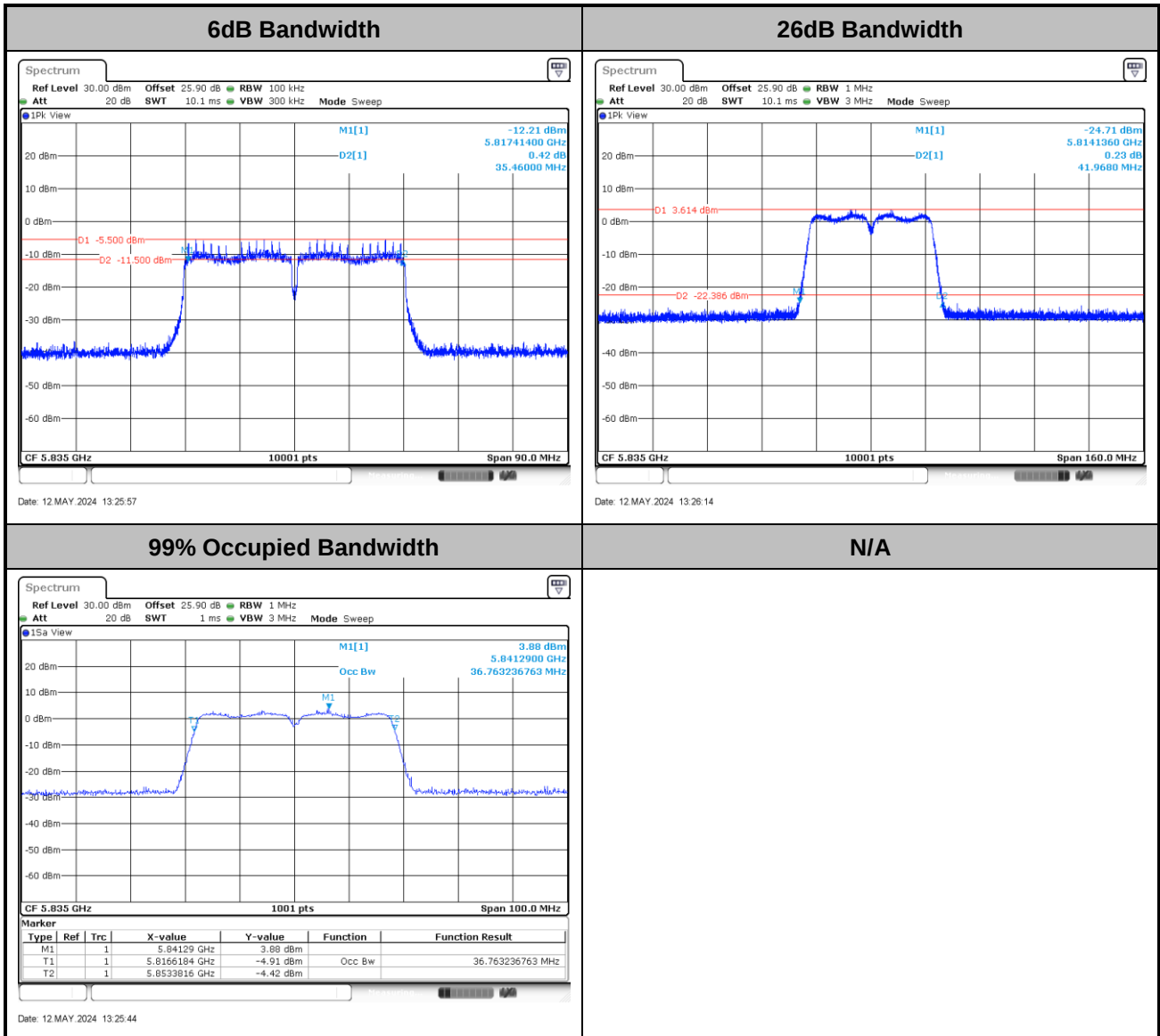
## &lt;802.11ac VHT20&gt;



Note: The occupied channel bandwidth is maintained within the band of operation.



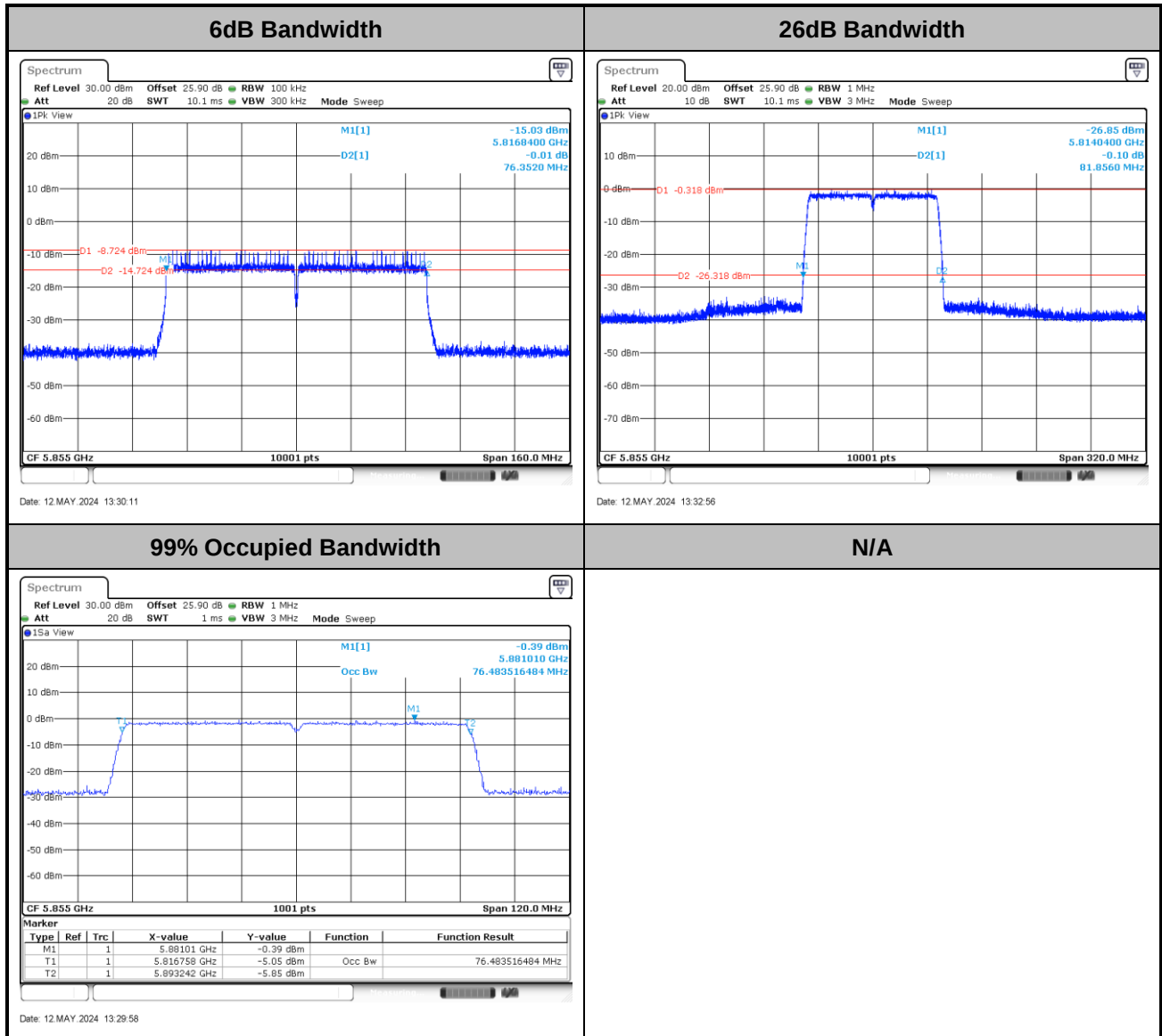
## &lt;802.11ac VHT40&gt;



Note: The occupied channel bandwidth is maintained within the band of operation.



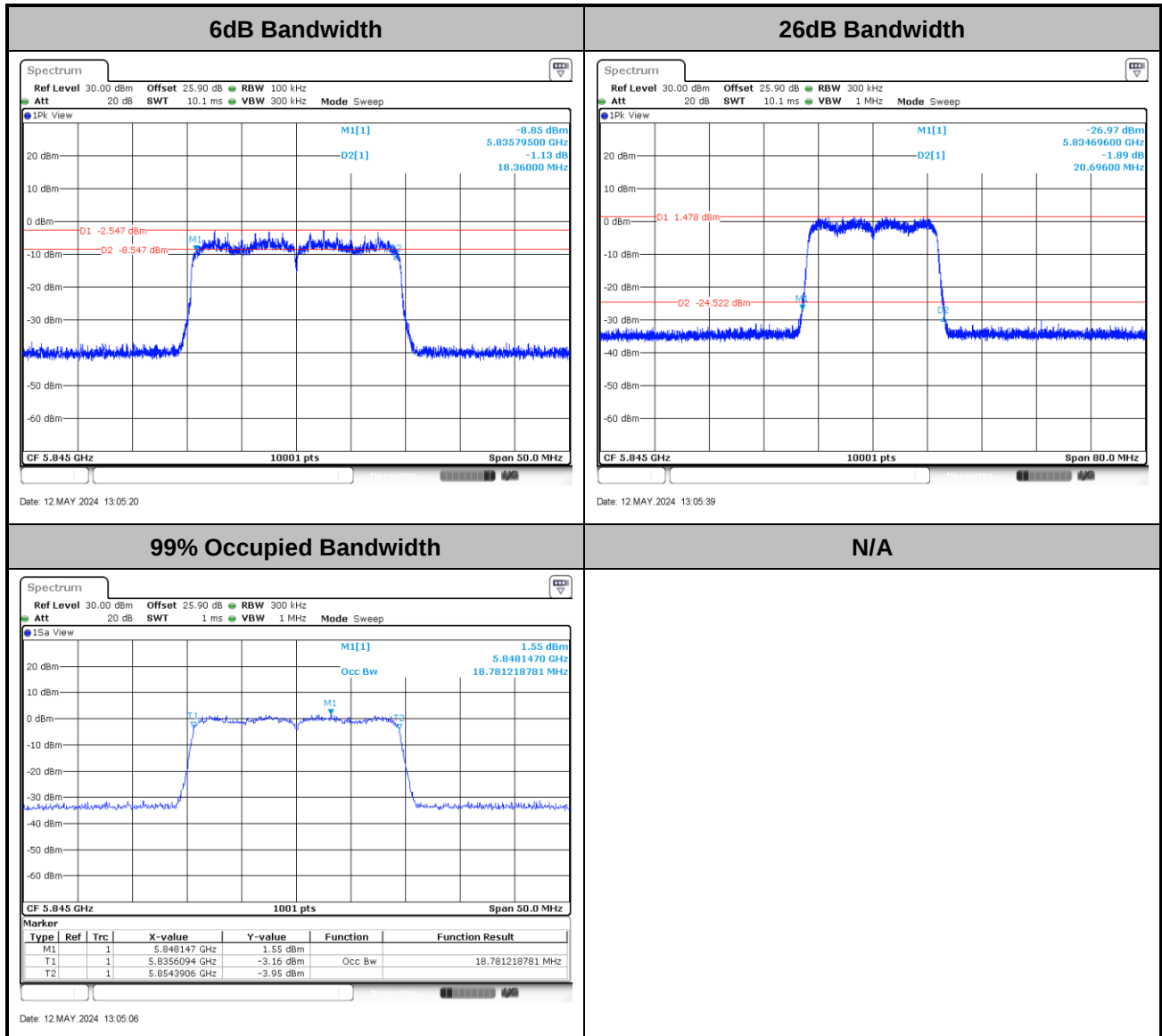
## &lt;802.11ac VHT80&gt;



Note: The occupied channel bandwidth is maintained within the band of operation.



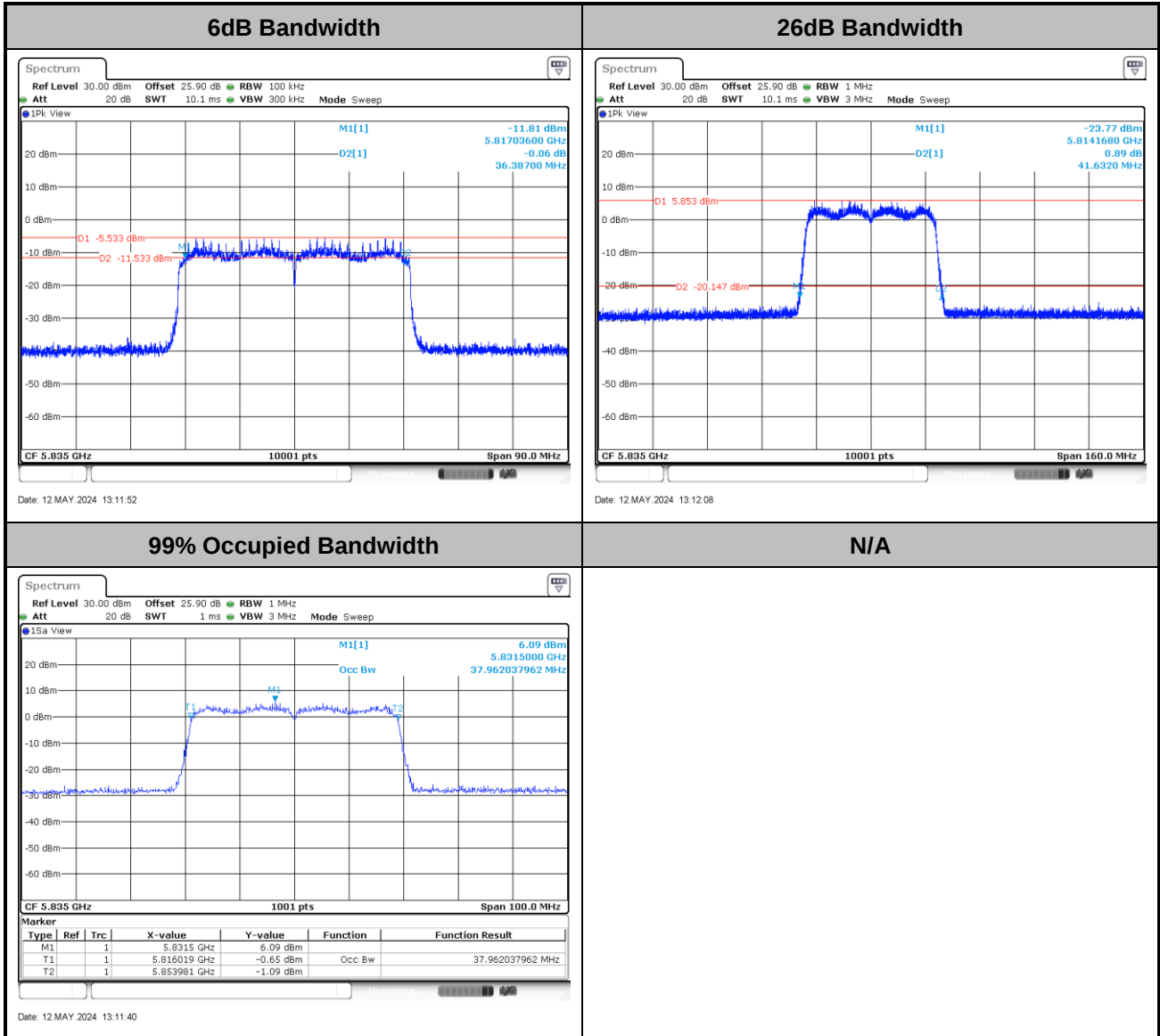
## &lt;802.11ax HE20&gt;



Note: The occupied channel bandwidth is maintained within the band of operation.



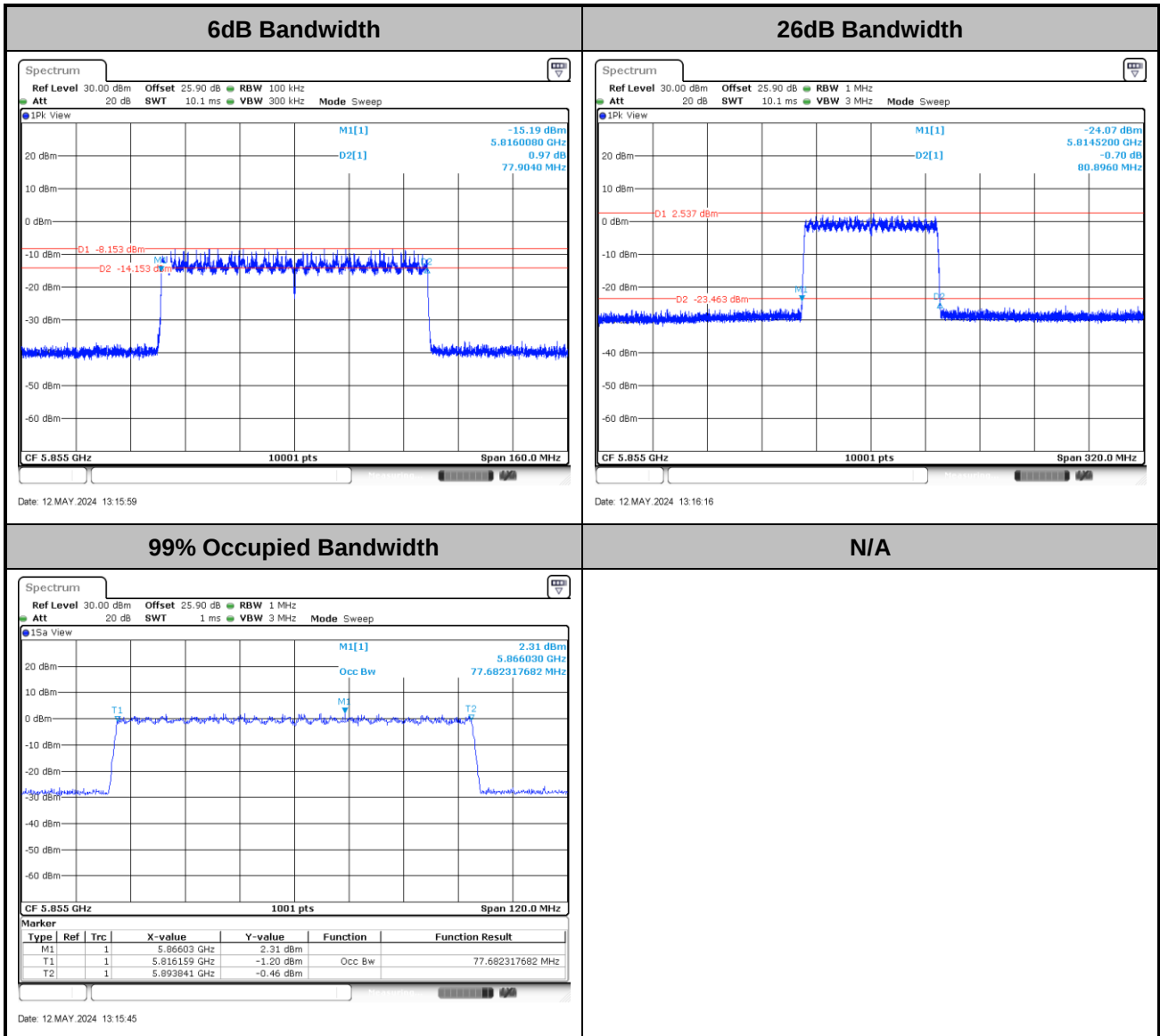
<802.11ax HE40>



Note: The occupied channel bandwidth is maintained within the band of operation.



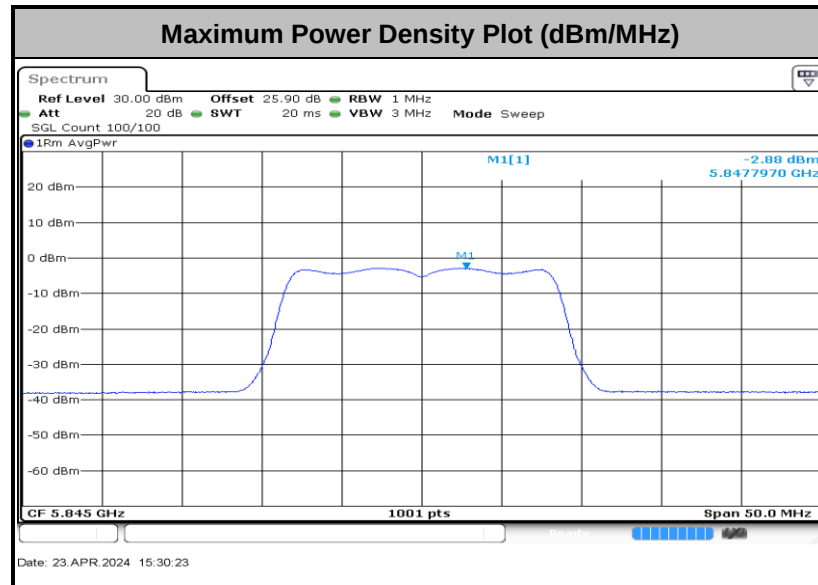
## &lt;802.11ax HE80&gt;



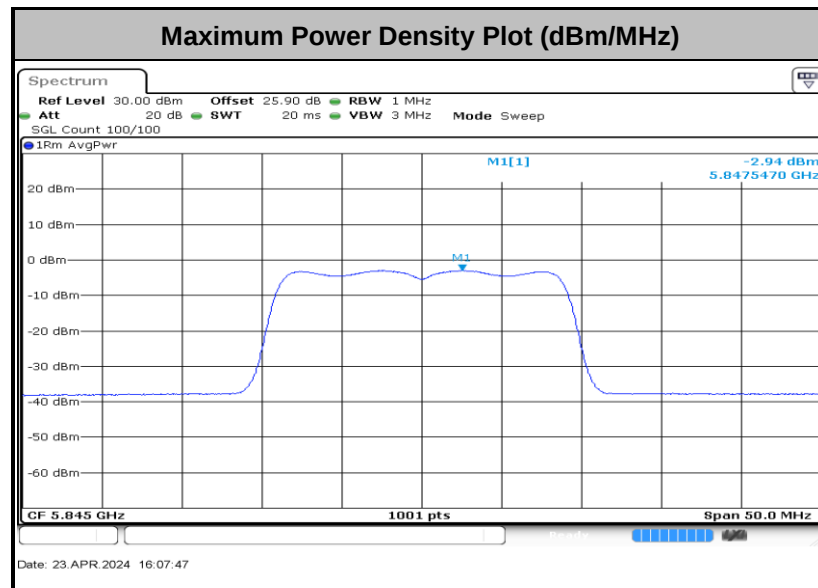
Note: The occupied channel bandwidth is maintained within the band of operation.

**Test Result of Power Spectral Density**

&lt;802.11a&gt;

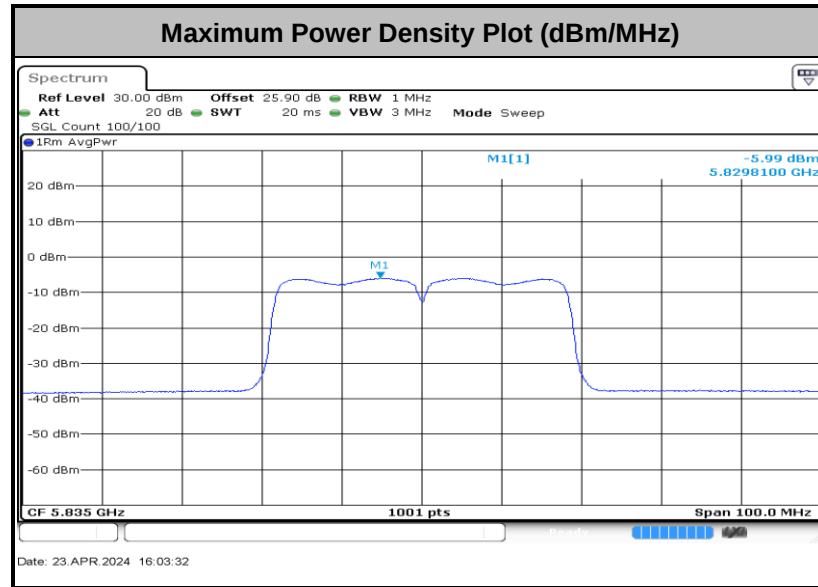


&lt;802.11ac VHT20&gt;

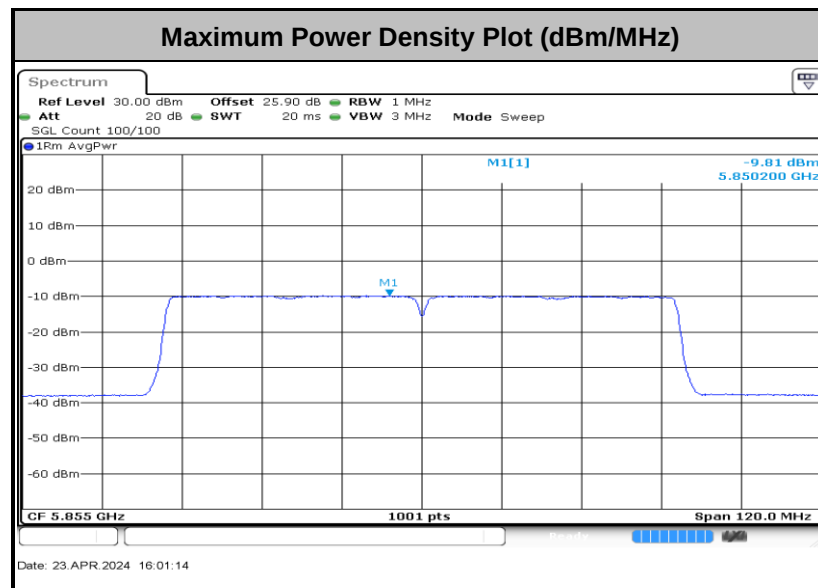




<802.11ac VHT40>

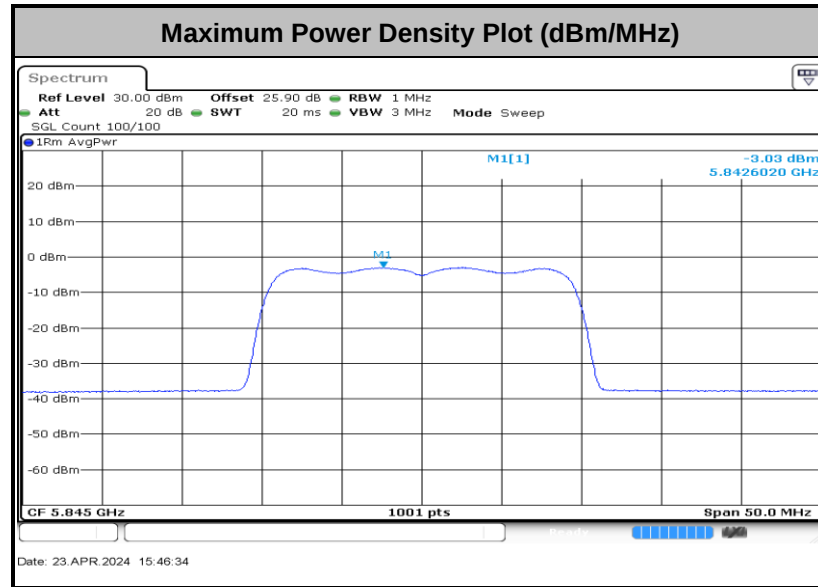


<802.11ac VHT80>

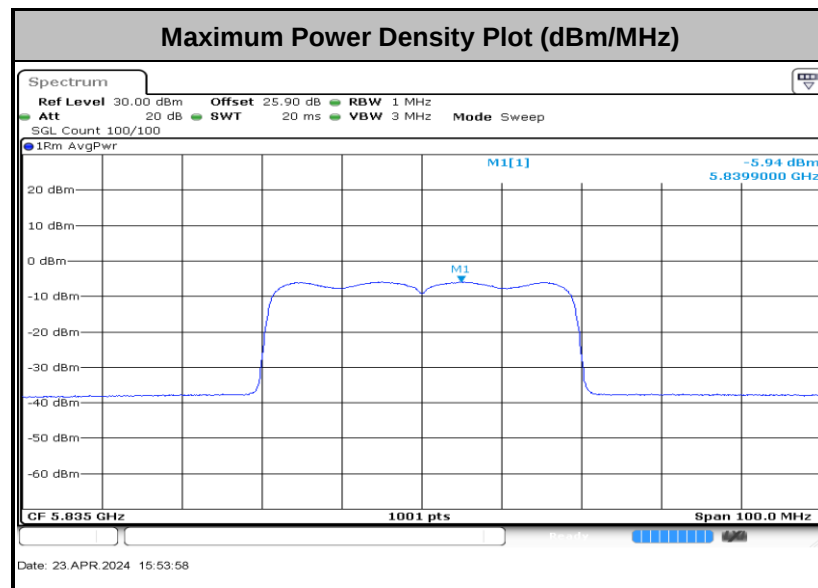




<802.11ax HE20>

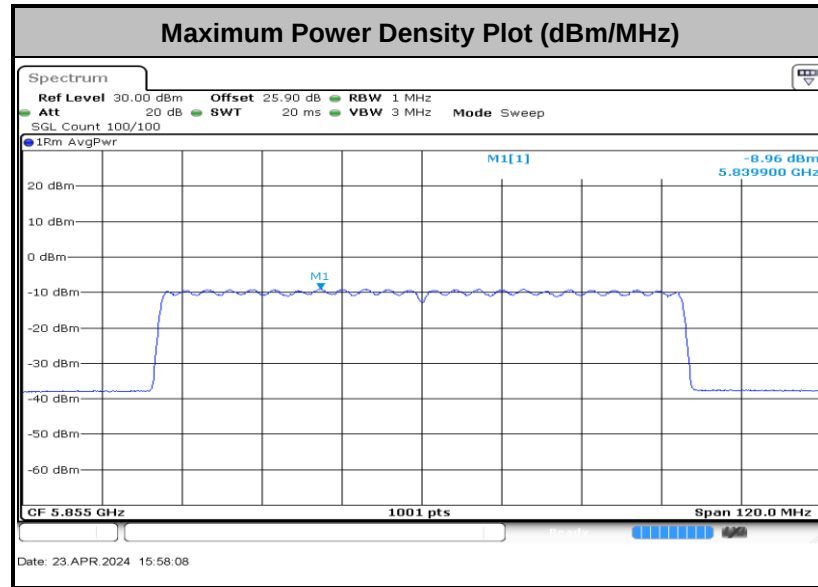


<802.11ax HE40>





<802.11ax HE80>





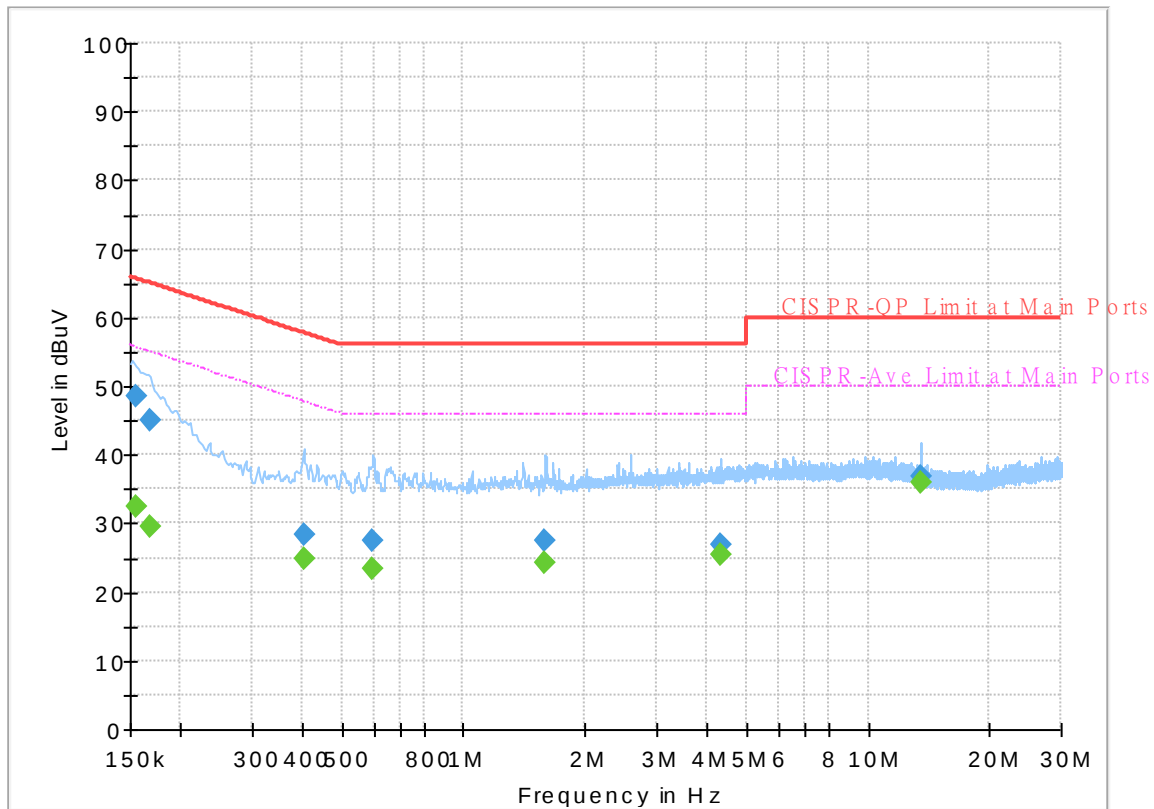
## **Appendix B. AC Conducted Emission Test Results**

|                        |             |                            |        |
|------------------------|-------------|----------------------------|--------|
| <b>Test Engineer :</b> | Calvin Wang | <b>Temperature :</b>       | 23~26℃ |
|                        |             | <b>Relative Humidity :</b> | 45~55% |

## EUT Information

Report NO : 432902  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



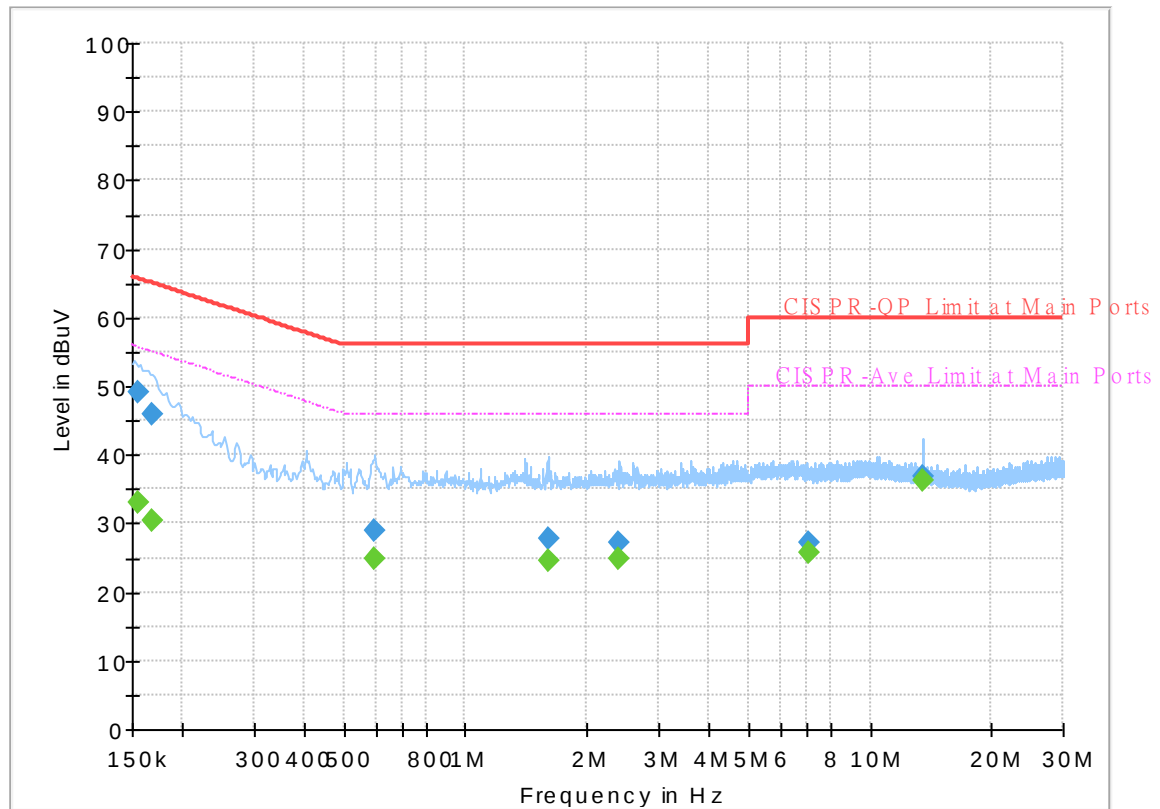
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.154500        | ---              | 32.31           | 55.75        | 23.44       | L1   | OFF    | 19.8       |
| 0.154500        | 48.44            | ---             | 65.75        | 17.31       | L1   | OFF    | 19.8       |
| 0.168000        | ---              | 29.44           | 55.06        | 25.62       | L1   | OFF    | 19.8       |
| 0.168000        | 45.04            | ---             | 65.06        | 20.02       | L1   | OFF    | 19.8       |
| 0.402000        | ---              | 24.82           | 47.81        | 22.99       | L1   | OFF    | 19.8       |
| 0.402000        | 28.42            | ---             | 57.81        | 29.39       | L1   | OFF    | 19.8       |
| 0.597750        | ---              | 23.27           | 46.00        | 22.73       | L1   | OFF    | 19.8       |
| 0.597750        | 27.52            | ---             | 56.00        | 28.48       | L1   | OFF    | 19.8       |
| 1.594500        | ---              | 24.38           | 46.00        | 21.62       | L1   | OFF    | 19.9       |
| 1.594500        | 27.57            | ---             | 56.00        | 28.43       | L1   | OFF    | 19.9       |
| 4.339500        | ---              | 25.38           | 46.00        | 20.62       | L1   | OFF    | 19.9       |
| 4.339500        | 26.88            | ---             | 56.00        | 29.12       | L1   | OFF    | 19.9       |
| 13.560000       | ---              | 36.07           | 50.00        | 13.93       | L1   | OFF    | 20.2       |
| 13.560000       | 36.75            | ---             | 60.00        | 23.25       | L1   | OFF    | 20.2       |

## EUT Information

Report NO : 432902  
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) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.154500        | ---              | 33.03           | 55.75        | 22.72       | N    | OFF    | 19.8       |
| 0.154500        | 49.22            | ---             | 65.75        | 16.53       | N    | OFF    | 19.8       |
| 0.168000        | ---              | 30.48           | 55.06        | 24.58       | N    | OFF    | 19.8       |
| 0.168000        | 45.79            | ---             | 65.06        | 19.27       | N    | OFF    | 19.8       |
| 0.593250        | ---              | 24.72           | 46.00        | 21.28       | N    | OFF    | 19.8       |
| 0.593250        | 28.88            | ---             | 56.00        | 27.12       | N    | OFF    | 19.8       |
| 1.596750        | ---              | 24.48           | 46.00        | 21.52       | N    | OFF    | 19.9       |
| 1.596750        | 27.92            | ---             | 56.00        | 28.08       | N    | OFF    | 19.9       |
| 2.404500        | ---              | 24.80           | 46.00        | 21.20       | N    | OFF    | 19.9       |
| 2.404500        | 27.26            | ---             | 56.00        | 28.74       | N    | OFF    | 19.9       |
| 7.082250        | ---              | 25.70           | 50.00        | 24.30       | N    | OFF    | 20.1       |
| 7.082250        | 27.05            | ---             | 60.00        | 32.95       | N    | OFF    | 20.1       |
| 13.560000       | ---              | 36.17           | 50.00        | 13.83       | N    | OFF    | 20.3       |
| 13.560000       | 36.88            | ---             | 60.00        | 23.12       | N    | OFF    | 20.3       |



## Appendix C. Radiated Spurious Emission

|                 |                                   |                     |            |
|-----------------|-----------------------------------|---------------------|------------|
| Test Engineer : | Jesse Wang, Stan Hsieh and Ken Wu | Temperature :       | 22.1~26°C  |
|                 |                                   | Relative Humidity : | 48.2~69.5% |

## UNII 4 - 5850~5895MHz

## WIFI 802.11a (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.    |
|------------------------------|------|-----------|------------|--------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 169<br>5845MHz |      | 5644.545  | 48.91      | -19.29 | 68.2       | 35.8       | 34.97          | 12.84     | 34.7          | 400     | 265       | P         | H       |
|                              |      | 5696.76   | 48.66      | -54.15 | 102.81     | 35.28      | 35.19          | 12.92     | 34.73         | 400     | 265       | P         | H       |
|                              |      | 5719.77   | 49.09      | -61.65 | 110.74     | 35.68      | 35.2           | 12.95     | 34.74         | 400     | 265       | P         | H       |
|                              |      | 5723.9    | 49.14      | -70.55 | 119.69     | 35.73      | 35.2           | 12.96     | 34.75         | 400     | 265       | P         | H       |
|                              | *    | 5845      | 95.47      | -      | -          | 82.15      | 35.02          | 13.11     | 34.81         | 400     | 265       | P         | H       |
|                              | *    | 5845      | 88.42      | -      | -          | 75.1       | 35.02          | 13.11     | 34.81         | 400     | 265       | A         | H       |
|                              |      | 5895      | 44.93      | -65.27 | 110.2      | 31.53      | 35.09          | 13.15     | 34.84         | 400     | 265       | P         | H       |
|                              |      | 5957.25   | 50.74      | -37.46 | 88.2       | 37.39      | 35.03          | 13.2      | 34.88         | 400     | 265       | P         | H       |
|                              |      | 5923.75   | 41.52      | -27.59 | 69.11      | 28.16      | 35.05          | 13.17     | 34.86         | 400     | 265       | A         | H       |
|                              |      | 5957.25   | 41.51      | -26.69 | 68.2       | 28.16      | 35.03          | 13.2      | 34.88         | 400     | 265       | A         | H       |
|                              |      | 5640.415  | 50.47      | -17.73 | 68.2       | 37.39      | 34.94          | 12.84     | 34.7          | 276     | 217       | P         | V       |
|                              |      | 5667.26   | 49.11      | -31.9  | 81.01      | 35.87      | 35.07          | 12.88     | 34.71         | 276     | 217       | P         | V       |
|                              |      | 5701.185  | 50.06      | -55.47 | 105.53     | 36.66      | 35.2           | 12.93     | 34.73         | 276     | 217       | P         | V       |
|                              |      | 5723.605  | 47.66      | -71.36 | 119.02     | 34.25      | 35.2           | 12.96     | 34.75         | 276     | 217       | P         | V       |
|                              | *    | 5845      | 99.81      | -      | -          | 86.49      | 35.02          | 13.11     | 34.81         | 276     | 217       | P         | V       |
|                              | *    | 5845      | 92.29      | -      | -          | 78.97      | 35.02          | 13.11     | 34.81         | 276     | 217       | A         | V       |
|                              |      | 5905      | 50.25      | -52.6  | 102.85     | 36.86      | 35.09          | 13.15     | 34.85         | 276     | 217       | P         | V       |
|                              |      | 5932.25   | 51.06      | -37.14 | 88.2       | 37.7       | 35.04          | 13.18     | 34.86         | 276     | 217       | P         | V       |
|                              |      | 5921.25   | 41.59      | -29.35 | 70.94      | 28.22      | 35.06          | 13.17     | 34.86         | 276     | 217       | A         | V       |
|                              |      | 5926.5    | 41.59      | -26.61 | 68.2       | 28.23      | 35.05          | 13.17     | 34.86         | 276     | 217       | A         | V       |



| WIFI<br>Ant.<br>1                     | 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>802.11a<br/>CH 173<br/>5865MHz</b> |      | 5624.78              | 48.4                | -19.8            | 68.2                        | 35.42                     | 34.85                         | 12.82                  | 34.69                      | 400                  | 264                     | P                     | H             |
|                                       |      | 5689.385             | 48.56               | -48.81           | 97.37                       | 35.22                     | 35.16                         | 12.91                  | 34.73                      | 400                  | 264                     | P                     | H             |
|                                       |      | 5714.755             | 48.53               | -60.8            | 109.33                      | 35.12                     | 35.2                          | 12.95                  | 34.74                      | 400                  | 264                     | P                     | H             |
|                                       |      | 5721.245             | 47.49               | -66.15           | 113.64                      | 34.07                     | 35.2                          | 12.96                  | 34.74                      | 400                  | 264                     | P                     | H             |
|                                       | *    | 5865                 | 96.23               | -                | -                           | 82.9                      | 35.03                         | 13.12                  | 34.82                      | 400                  | 264                     | P                     | H             |
|                                       | *    | 5865                 | 87.99               | -                | -                           | 74.66                     | 35.03                         | 13.12                  | 34.82                      | 400                  | 264                     | A                     | H             |
|                                       |      | 5916.75              | 50.33               | -43.91           | 94.24                       | 36.95                     | 35.07                         | 13.16                  | 34.85                      | 400                  | 264                     | P                     | H             |
|                                       |      | 5948                 | 50.81               | -37.39           | 88.2                        | 37.49                     | 35                            | 13.19                  | 34.87                      | 400                  | 264                     | P                     | H             |
|                                       |      | 5921                 | 41.55               | -29.58           | 71.13                       | 28.18                     | 35.06                         | 13.17                  | 34.86                      | 400                  | 264                     | A                     | H             |
|                                       |      | 5969.25              | 41.52               | -26.68           | 68.2                        | 28.11                     | 35.08                         | 13.21                  | 34.88                      | 400                  | 264                     | A                     | H             |
|                                       |      | 5617.7               | 48.75               | -19.45           | 68.2                        | 35.82                     | 34.81                         | 12.81                  | 34.69                      | 290                  | 215                     | P                     | V             |
|                                       |      | 5674.34              | 48.65               | -37.6            | 86.25                       | 35.38                     | 35.1                          | 12.89                  | 34.72                      | 290                  | 215                     | P                     | V             |
|                                       |      | 5712.69              | 49.32               | -59.44           | 108.76                      | 35.92                     | 35.2                          | 12.94                  | 34.74                      | 290                  | 215                     | P                     | V             |
|                                       |      | 5723.9               | 48.85               | -70.84           | 119.69                      | 35.44                     | 35.2                          | 12.96                  | 34.75                      | 290                  | 215                     | P                     | V             |
|                                       | *    | 5865                 | 99.75               | -                | -                           | 86.42                     | 35.03                         | 13.12                  | 34.82                      | 290                  | 215                     | P                     | V             |
|                                       | *    | 5865                 | 91.68               | -                | -                           | 78.35                     | 35.03                         | 13.12                  | 34.82                      | 290                  | 215                     | A                     | V             |
|                                       |      | 5913.25              | 49.96               | -46.84           | 96.8                        | 36.58                     | 35.07                         | 13.16                  | 34.85                      | 290                  | 215                     | P                     | V             |
|                                       |      | 5946.75              | 51.58               | -36.62           | 88.2                        | 38.25                     | 35.01                         | 13.19                  | 34.87                      | 290                  | 215                     | P                     | V             |
|                                       |      | 5898.75              | 41.73               | -45.71           | 87.44                       | 28.32                     | 35.1                          | 13.15                  | 34.84                      | 290                  | 215                     | A                     | V             |
|                                       |      | 5925                 | 41.56               | -26.64           | 68.2                        | 28.2                      | 35.05                         | 13.17                  | 34.86                      | 290                  | 215                     | A                     | V             |



| WIFI<br>Ant.<br>1            | 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 ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 177<br>5885MHz |                                                                                             | 5606.195             | 48.32               | -19.88           | 68.2                        | 35.47                     | 34.74                         | 12.79                  | 34.68                      | 400                  | 250                     | P                       | H               |
|                              |                                                                                             | 5662.54              | 49.43               | -28.08           | 77.51                       | 36.22                     | 35.05                         | 12.87                  | 34.71                      | 400                  | 250                     | P                       | H               |
|                              |                                                                                             | 5712.985             | 50.37               | -58.47           | 108.84                      | 36.97                     | 35.2                          | 12.94                  | 34.74                      | 400                  | 250                     | P                       | H               |
|                              |                                                                                             | 5722.13              | 48.21               | -67.45           | 115.66                      | 34.79                     | 35.2                          | 12.96                  | 34.74                      | 400                  | 250                     | P                       | H               |
|                              | *                                                                                           | 5885                 | 95.56               | -                | -                           | 82.19                     | 35.07                         | 13.14                  | 34.84                      | 400                  | 250                     | P                       | H               |
|                              | *                                                                                           | 5885                 | 88.01               | -                | -                           | 74.64                     | 35.07                         | 13.14                  | 34.84                      | 400                  | 250                     | A                       | H               |
|                              |                                                                                             | 5895                 | 68.98               | -41.22           | 110.2                       | 55.58                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 250                     | P                       | H               |
|                              |                                                                                             | 5933                 | 50.88               | -37.32           | 88.2                        | 37.53                     | 35.03                         | 13.18                  | 34.86                      | 400                  | 250                     | P                       | H               |
|                              |                                                                                             | 5895                 | 57.92               | -32.28           | 90.2                        | 44.52                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 250                     | A                       | H               |
|                              |                                                                                             | 5957.75              | 41.55               | -26.65           | 68.2                        | 28.2                      | 35.03                         | 13.2                   | 34.88                      | 400                  | 250                     | A                       | H               |
|                              |                                                                                             | 5602.065             | 49.05               | -19.15           | 68.2                        | 36.24                     | 34.71                         | 12.78                  | 34.68                      | 287                  | 218                     | P                       | V               |
|                              |                                                                                             | 5655.46              | 48.96               | -23.3            | 72.26                       | 35.79                     | 35.02                         | 12.86                  | 34.71                      | 287                  | 218                     | P                       | V               |
|                              |                                                                                             | 5703.545             | 48.22               | -57.97           | 106.19                      | 34.82                     | 35.2                          | 12.93                  | 34.73                      | 287                  | 218                     | P                       | V               |
|                              |                                                                                             | 5721.54              | 47.52               | -66.79           | 114.31                      | 34.1                      | 35.2                          | 12.96                  | 34.74                      | 287                  | 218                     | P                       | V               |
|                              | *                                                                                           | 5885                 | 99.07               | -                | -                           | 85.7                      | 35.07                         | 13.14                  | 34.84                      | 287                  | 218                     | P                       | V               |
|                              | *                                                                                           | 5885                 | 91.39               | -                | -                           | 78.02                     | 35.07                         | 13.14                  | 34.84                      | 287                  | 218                     | A                       | V               |
|                              |                                                                                             | 5895                 | 74.87               | -35.33           | 110.2                       | 61.47                     | 35.09                         | 13.15                  | 34.84                      | 287                  | 218                     | P                       | V               |
|                              |                                                                                             | 5935.25              | 51.6                | -36.6            | 88.2                        | 38.25                     | 35.03                         | 13.18                  | 34.86                      | 287                  | 218                     | P                       | V               |
|                              |                                                                                             | 5895                 | 61.47               | -28.73           | 90.2                        | 48.07                     | 35.09                         | 13.15                  | 34.84                      | 287                  | 218                     | A                       | V               |
|                              |                                                                                             | 5926                 | 41.62               | -26.58           | 68.2                        | 28.26                     | 35.05                         | 13.17                  | 34.86                      | 287                  | 218                     | A                       | V               |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**UNII 4 - 5850~5895MHz****WIFI 802.11a (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1            | 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 ) |
|------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 169<br>5845MHz |      | 11690                | 45.4                | -28.6            | 74                          | 43.75                     | 38.66                         | 19.63                  | 56.64                      | -                    | -                       | P                       | H               |
|                              |      | 17535                | 50.03               | -18.17           | 68.2                        | 40.11                     | 41.33                         | 24.12                  | 55.53                      | -                    | -                       | P                       | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 11690                | 45.64               | -28.36           | 74                          | 43.99                     | 38.66                         | 19.63                  | 56.64                      | -                    | -                       | P                       | V               |
|                              |      | 17535                | 49.58               | -18.62           | 68.2                        | 39.66                     | 41.33                         | 24.12                  | 55.53                      | -                    | -                       | P                       | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1                     | 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>802.11a<br/>CH 173<br/>5865MHz</b> |      | 11730                | 45.27               | -28.73           | 74                          | 43.55                     | 38.64                         | 19.65                  | 56.57                      | -                    | -                       | P                       | H               |
|                                       |      | 17595                | 49.76               | -18.44           | 68.2                        | 39.42                     | 41.66                         | 24.15                  | 55.47                      | -                    | -                       | P                       | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 11730                | 45.19               | -28.81           | 74                          | 43.47                     | 38.64                         | 19.65                  | 56.57                      | -                    | -                       | P                       | V               |
|                                       |      | 17595                | 50.32               | -17.88           | 68.2                        | 39.98                     | 41.66                         | 24.15                  | 55.47                      | -                    | -                       | P                       | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1            | 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) |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11a<br>CH 177<br>5885MHz |                                                                                                                                         | 11770                | 46.49               | -27.51           | 74                          | 44.71                     | 38.6                          | 19.68                  | 56.5                       | -                    | -                       | P                     | H             |
|                              |                                                                                                                                         | 17655                | 50.16               | -18.04           | 68.2                        | 39.68                     | 41.7                          | 24.19                  | 55.41                      | -                    | -                       | P                     | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                              |                                                                                                                                         | 11770                | 45.84               | -28.16           | 74                          | 44.06                     | 38.6                          | 19.68                  | 56.5                       | -                    | -                       | P                     | V             |
|                              |                                                                                                                                         | 17655                | 50.3                | -17.9            | 68.2                        | 39.82                     | 41.7                          | 24.19                  | 55.41                      | -                    | -                       | P                     | V             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         | V                     |               |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         | V                     |               |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         | V                     |               |
|                              |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         | V                     |               |
| Remark                       | 1. No other spurious found.                                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       |               |
|                              | 2. All results are PASS against Peak and Average limit line.                                                                            |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       |               |
|                              | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                       |               |



## UNII 4 - 5850~5895MHz

## WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1                      | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 177<br>5885MHz |                                                                                             | 5605.9               | 49.47               | -18.73           | 68.2                        | 36.62                     | 34.74                         | 12.79                  | 34.68                      | 400                  | 250                     | P                       | H               |
|                                        |                                                                                             | 5697.94              | 48.98               | -54.7            | 103.68                      | 35.6                      | 35.19                         | 12.92                  | 34.73                      | 400                  | 250                     | P                       | H               |
|                                        |                                                                                             | 5713.87              | 47.68               | -61.41           | 109.09                      | 34.27                     | 35.2                          | 12.95                  | 34.74                      | 400                  | 250                     | P                       | H               |
|                                        |                                                                                             | 5725.08              | 47.13               | -87.07           | 134.2                       | 33.72                     | 35.2                          | 12.96                  | 34.75                      | 400                  | 250                     | P                       | H               |
|                                        | *                                                                                           | 5885                 | 91.91               | -                | -                           | 78.54                     | 35.07                         | 13.14                  | 34.84                      | 400                  | 250                     | P                       | H               |
|                                        | *                                                                                           | 5885                 | 87.28               | -                | -                           | 73.91                     | 35.07                         | 13.14                  | 34.84                      | 400                  | 250                     | A                       | H               |
|                                        |                                                                                             | 5895                 | 70.3                | -39.9            | 110.2                       | 56.9                      | 35.09                         | 13.15                  | 34.84                      | 400                  | 250                     | P                       | H               |
|                                        |                                                                                             | 5930.5               | 51.78               | -36.42           | 88.2                        | 38.43                     | 35.04                         | 13.17                  | 34.86                      | 400                  | 250                     | P                       | H               |
|                                        |                                                                                             | 5895                 | 62.43               | -27.77           | 90.2                        | 49.03                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 250                     | A                       | H               |
|                                        |                                                                                             | 5928.75              | 41.52               | -26.68           | 68.2                        | 28.17                     | 35.04                         | 13.17                  | 34.86                      | 400                  | 250                     | A                       | H               |
|                                        |                                                                                             | 5602.655             | 49.55               | -18.65           | 68.2                        | 36.73                     | 34.72                         | 12.78                  | 34.68                      | 301                  | 216                     | P                       | V               |
|                                        |                                                                                             | 5661.36              | 50.08               | -26.55           | 76.63                       | 36.87                     | 35.05                         | 12.87                  | 34.71                      | 301                  | 216                     | P                       | V               |
|                                        |                                                                                             | 5707.085             | 48.48               | -58.71           | 107.19                      | 35.08                     | 35.2                          | 12.94                  | 34.74                      | 301                  | 216                     | P                       | V               |
|                                        |                                                                                             | 5723.31              | 46.52               | -71.83           | 118.35                      | 33.11                     | 35.2                          | 12.96                  | 34.75                      | 301                  | 216                     | P                       | V               |
|                                        | *                                                                                           | 5885                 | 95.72               | -                | -                           | 82.35                     | 35.07                         | 13.14                  | 34.84                      | 301                  | 216                     | P                       | V               |
|                                        | *                                                                                           | 5885                 | 90.79               | -                | -                           | 77.42                     | 35.07                         | 13.14                  | 34.84                      | 301                  | 216                     | A                       | V               |
|                                        |                                                                                             | 5895                 | 76.9                | -33.3            | 110.2                       | 63.5                      | 35.09                         | 13.15                  | 34.84                      | 301                  | 216                     | P                       | V               |
|                                        |                                                                                             | 5968.25              | 51.9                | -36.3            | 88.2                        | 38.51                     | 35.07                         | 13.2                   | 34.88                      | 301                  | 216                     | P                       | V               |
|                                        |                                                                                             | 5895                 | 66.14               | -24.06           | 90.2                        | 52.74                     | 35.09                         | 13.15                  | 34.84                      | 301                  | 216                     | A                       | V               |
|                                        |                                                                                             | 5925.75              | 41.61               | -26.59           | 68.2                        | 28.25                     | 35.05                         | 13.17                  | 34.86                      | 301                  | 216                     | A                       | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## UNII 4 - 5850~5895MHz

### WIFI 802.11ac VHT20 (Harmonic @ 3m)

[illegible]



## UNII 4 - 5850~5895MHz

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

| WIFI<br>Ant.<br>1                          | 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 169<br>5845MHz |      | 5625.37              | 49.31               | -18.89           | 68.2                        | 36.33                     | 34.85                         | 12.82                  | 34.69                      | 400                  | 265                     | P                       | H               |
|                                            |      | 5697.94              | 49.04               | -54.64           | 103.68                      | 35.66                     | 35.19                         | 12.92                  | 34.73                      | 400                  | 265                     | P                       | H               |
|                                            |      | 5708.265             | 49.13               | -58.39           | 107.52                      | 35.73                     | 35.2                          | 12.94                  | 34.74                      | 400                  | 265                     | P                       | H               |
|                                            |      | 5722.72              | 48.7                | -68.3            | 117                         | 35.28                     | 35.2                          | 12.96                  | 34.74                      | 400                  | 265                     | P                       | H               |
|                                            | *    | 5845                 | 97.37               | -                | -                           | 84.05                     | 35.02                         | 13.11                  | 34.81                      | 400                  | 265                     | P                       | H               |
|                                            | *    | 5845                 | 88.1                | -                | -                           | 74.78                     | 35.02                         | 13.11                  | 34.81                      | 400                  | 265                     | A                       | H               |
|                                            |      | 5923                 | 49.86               | -39.8            | 89.66                       | 36.5                      | 35.05                         | 13.17                  | 34.86                      | 400                  | 265                     | P                       | H               |
|                                            |      | 5940                 | 50.83               | -37.37           | 88.2                        | 37.5                      | 35.02                         | 13.18                  | 34.87                      | 400                  | 265                     | P                       | H               |
|                                            |      | 5920.75              | 41.51               | -29.8            | 71.31                       | 28.14                     | 35.06                         | 13.17                  | 34.86                      | 400                  | 265                     | A                       | H               |
|                                            |      | 5958.75              | 41.51               | -26.69           | 68.2                        | 28.16                     | 35.03                         | 13.2                   | 34.88                      | 400                  | 265                     | A                       | H               |
|                                            |      | 5605.9               | 49.02               | -19.18           | 68.2                        | 36.17                     | 34.74                         | 12.79                  | 34.68                      | 276                  | 217                     | P                       | V               |
|                                            |      | 5694.695             | 49.08               | -52.21           | 101.29                      | 35.71                     | 35.18                         | 12.92                  | 34.73                      | 276                  | 217                     | P                       | V               |
|                                            |      | 5708.56              | 48.35               | -59.25           | 107.6                       | 34.95                     | 35.2                          | 12.94                  | 34.74                      | 276                  | 217                     | P                       | V               |
|                                            |      | 5725.08              | 47.66               | -86.54           | 134.2                       | 34.25                     | 35.2                          | 12.96                  | 34.75                      | 276                  | 217                     | P                       | V               |
|                                            | *    | 5845                 | 99.61               | -                | -                           | 86.29                     | 35.02                         | 13.11                  | 34.81                      | 276                  | 217                     | P                       | V               |
|                                            | *    | 5845                 | 91.97               | -                | -                           | 78.65                     | 35.02                         | 13.11                  | 34.81                      | 276                  | 217                     | A                       | V               |
|                                            |      | 5919.25              | 50.65               | -41.76           | 92.41                       | 37.27                     | 35.06                         | 13.17                  | 34.85                      | 276                  | 217                     | P                       | V               |
|                                            |      | 5934.25              | 50.9                | -37.3            | 88.2                        | 37.55                     | 35.03                         | 13.18                  | 34.86                      | 276                  | 217                     | P                       | V               |
|                                            |      | 5922.5               | 41.59               | -28.44           | 70.03                       | 28.22                     | 35.06                         | 13.17                  | 34.86                      | 276                  | 217                     | A                       | V               |
|                                            |      | 5926                 | 41.55               | -26.65           | 68.2                        | 28.19                     | 35.05                         | 13.17                  | 34.86                      | 276                  | 217                     | A                       | V               |



| WIFI<br>Ant.<br>1                                                      | 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>802.11ax</b><br><b>HE20 Full</b><br><b>CH 173</b><br><b>5865MHz</b> |      | 5610.325             | 48.53               | -19.67           | 68.2                        | 35.66                     | 34.76                         | 12.79                  | 34.68                      | 400                  | 264                     | P                       | H               |
|                                                                        |      | 5667.26              | 49.87               | -31.14           | 81.01                       | 36.63                     | 35.07                         | 12.88                  | 34.71                      | 400                  | 264                     | P                       | H               |
|                                                                        |      | 5710.33              | 48.42               | -59.67           | 108.09                      | 35.02                     | 35.2                          | 12.94                  | 34.74                      | 400                  | 264                     | P                       | H               |
|                                                                        |      | 5723.605             | 48.86               | -70.16           | 119.02                      | 35.45                     | 35.2                          | 12.96                  | 34.75                      | 400                  | 264                     | P                       | H               |
|                                                                        | *    | 5865                 | 95.63               | -                | -                           | 82.3                      | 35.03                         | 13.12                  | 34.82                      | 400                  | 264                     | P                       | H               |
|                                                                        | *    | 5865                 | 87.72               | -                | -                           | 74.39                     | 35.03                         | 13.12                  | 34.82                      | 400                  | 264                     | A                       | H               |
|                                                                        |      | 5897.5               | 50.75               | -57.61           | 108.36                      | 37.35                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 264                     | P                       | H               |
|                                                                        |      | 5980.5               | 50.58               | -37.62           | 88.2                        | 37.14                     | 35.12                         | 13.21                  | 34.89                      | 400                  | 264                     | P                       | H               |
|                                                                        |      | 5915.5               | 41.51               | -33.64           | 75.15                       | 28.13                     | 35.07                         | 13.16                  | 34.85                      | 400                  | 264                     | A                       | H               |
|                                                                        |      | 5935.75              | 41.51               | -26.69           | 68.2                        | 28.16                     | 35.03                         | 13.18                  | 34.86                      | 400                  | 264                     | A                       | H               |
|                                                                        |      | 5617.995             | 48.53               | -19.67           | 68.2                        | 35.6                      | 34.81                         | 12.81                  | 34.69                      | 290                  | 215                     | P                       | V               |
|                                                                        |      | 5657.525             | 49.11               | -24.68           | 73.79                       | 35.93                     | 35.03                         | 12.86                  | 34.71                      | 290                  | 215                     | P                       | V               |
|                                                                        |      | 5715.345             | 49.47               | -60.03           | 109.5                       | 36.06                     | 35.2                          | 12.95                  | 34.74                      | 290                  | 215                     | P                       | V               |
|                                                                        |      | 5720.95              | 48.17               | -64.8            | 112.97                      | 34.75                     | 35.2                          | 12.96                  | 34.74                      | 290                  | 215                     | P                       | V               |
|                                                                        | *    | 5865                 | 99.63               | -                | -                           | 86.3                      | 35.03                         | 13.12                  | 34.82                      | 290                  | 215                     | P                       | V               |
|                                                                        | *    | 5865                 | 91.14               | -                | -                           | 77.81                     | 35.03                         | 13.12                  | 34.82                      | 290                  | 215                     | A                       | V               |
|                                                                        |      | 5907                 | 51.5                | -49.89           | 101.39                      | 38.1                      | 35.09                         | 13.16                  | 34.85                      | 290                  | 215                     | P                       | V               |
|                                                                        |      | 5992.75              | 49.96               | -38.24           | 88.2                        | 36.47                     | 35.17                         | 13.22                  | 34.9                       | 290                  | 215                     | P                       | V               |
|                                                                        |      | 5896                 | 41.86               | -47.6            | 89.46                       | 28.46                     | 35.09                         | 13.15                  | 34.84                      | 290                  | 215                     | A                       | V               |
|                                                                        |      | 5927.5               | 41.61               | -26.59           | 68.2                        | 28.26                     | 35.04                         | 13.17                  | 34.86                      | 290                  | 215                     | A                       | V               |



| WIFI<br>Ant.<br>1                          | 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 177<br>5885MHz |                                                                                             | 5634.81              | 49.19               | -19.01           | 68.2                        | 36.15                     | 34.91                         | 12.83                  | 34.7                       | 400                  | 250                     | P                       | H               |
|                                            |                                                                                             | 5677.585             | 48.54               | -40.11           | 88.65                       | 35.26                     | 35.11                         | 12.89                  | 34.72                      | 400                  | 250                     | P                       | H               |
|                                            |                                                                                             | 5705.61              | 48.23               | -58.54           | 106.77                      | 34.84                     | 35.2                          | 12.93                  | 34.74                      | 400                  | 250                     | P                       | H               |
|                                            |                                                                                             | 5722.13              | 46.94               | -68.72           | 115.66                      | 33.52                     | 35.2                          | 12.96                  | 34.74                      | 400                  | 250                     | P                       | H               |
|                                            | *                                                                                           | 5885                 | 95.03               | -                | -                           | 81.66                     | 35.07                         | 13.14                  | 34.84                      | 400                  | 250                     | P                       | H               |
|                                            | *                                                                                           | 5885                 | 87.71               | -                | -                           | 74.34                     | 35.07                         | 13.14                  | 34.84                      | 400                  | 250                     | A                       | H               |
|                                            |                                                                                             | 5895                 | 76.74               | -33.46           | 110.2                       | 63.34                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 250                     | P                       | H               |
|                                            |                                                                                             | 5948.75              | 51.13               | -37.07           | 88.2                        | 37.81                     | 35                            | 13.19                  | 34.87                      | 400                  | 250                     | P                       | H               |
|                                            |                                                                                             | 5895                 | 74.59               | -15.61           | 90.2                        | 61.19                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 250                     | A                       | H               |
|                                            |                                                                                             | 5929.75              | 41.55               | -26.65           | 68.2                        | 28.2                      | 35.04                         | 13.17                  | 34.86                      | 400                  | 250                     | A                       | H               |
|                                            |                                                                                             | 5631.27              | 48.41               | -19.79           | 68.2                        | 35.38                     | 34.89                         | 12.83                  | 34.69                      | 287                  | 218                     | P                       | V               |
|                                            |                                                                                             | 5685.845             | 48.46               | -46.3            | 94.76                       | 35.14                     | 35.14                         | 12.9                   | 34.72                      | 287                  | 218                     | P                       | V               |
|                                            |                                                                                             | 5708.56              | 48.21               | -59.39           | 107.6                       | 34.81                     | 35.2                          | 12.94                  | 34.74                      | 287                  | 218                     | P                       | V               |
|                                            |                                                                                             | 5722.72              | 46.87               | -70.13           | 117                         | 33.45                     | 35.2                          | 12.96                  | 34.74                      | 287                  | 218                     | P                       | V               |
|                                            | *                                                                                           | 5885                 | 98.29               | -                | -                           | 84.92                     | 35.07                         | 13.14                  | 34.84                      | 287                  | 218                     | P                       | V               |
|                                            | *                                                                                           | 5885                 | 91.1                | -                | -                           | 77.73                     | 35.07                         | 13.14                  | 34.84                      | 287                  | 218                     | A                       | V               |
|                                            |                                                                                             | 5895                 | 80.49               | -29.71           | 110.2                       | 67.09                     | 35.09                         | 13.15                  | 34.84                      | 287                  | 218                     | P                       | V               |
|                                            |                                                                                             | 5998                 | 50.49               | -37.71           | 88.2                        | 36.97                     | 35.19                         | 13.23                  | 34.9                       | 287                  | 218                     | P                       | V               |
|                                            |                                                                                             | 5895                 | 78.09               | -12.11           | 90.2                        | 64.69                     | 35.09                         | 13.15                  | 34.84                      | 287                  | 218                     | A                       | V               |
|                                            |                                                                                             | 5925.75              | 41.64               | -26.56           | 68.2                        | 28.28                     | 35.05                         | 13.17                  | 34.86                      | 287                  | 218                     | A                       | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## UNII 4 - 5850~5895MHz

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

[illegible]



| WIFI<br>Ant.<br>1                                    | 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>802.11ax<br/>HE20 Full<br/>CH 173<br/>5885MHz</b> |      | 11730                | 45.96               | -28.04           | 74                          | 44.24                     | 38.64                         | 19.65                  | 56.57                      | -                    | -                       | P                       | H               |
|                                                      |      | 17595                | 50.03               | -18.17           | 68.2                        | 39.69                     | 41.66                         | 24.15                  | 55.47                      | -                    | -                       | P                       | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      | 11730                | 45.42               | -28.58           | 74                          | 43.7                      | 38.64                         | 19.65                  | 56.57                      | -                    | -                       | P                       | V               |
|                                                      |      | 17595                | 49.73               | -18.47           | 68.2                        | 39.39                     | 41.66                         | 24.15                  | 55.47                      | -                    | -                       | P                       | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1                          | 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 177<br>5885MHz |                                                                                                                                         | 11770                | 46.21               | -27.79           | 74                          | 44.43                     | 38.6                          | 19.68                  | 56.5                       | -                    | -                       | P                       | H               |
|                                            |                                                                                                                                         | 17655                | 50.04               | -18.16           | 68.2                        | 39.56                     | 41.7                          | 24.19                  | 55.41                      | -                    | -                       | P                       | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                                                                         | 11770                | 46.13               | -27.87           | 74                          | 44.35                     | 38.6                          | 19.68                  | 56.5                       | -                    | -                       | P                       | V               |
|                                            |                                                                                                                                         | 17655                | 50.56               | -17.64           | 68.2                        | 40.08                     | 41.7                          | 24.19                  | 55.41                      | -                    | -                       | P                       | V               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                                                                         |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                     | 1. No other spurious found.                                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                            | 2. All results are PASS against Peak and Average limit line.                                                                            |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                            | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## UNII 4 - 5850~5895MHz

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

| WIFI<br>Ant.<br>1                                          | 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>106/54<br>CH 177<br>5885MHz |                                                                                             | 5617.995             | 49.17               | -19.03           | 68.2                        | 36.24                     | 34.81                         | 12.81                  | 34.69                      | 400                  | 236                     | P                       | H               |
|                                                            |                                                                                             | 5698.825             | 49.02               | -55.31           | 104.33                      | 35.63                     | 35.2                          | 12.92                  | 34.73                      | 400                  | 236                     | P                       | H               |
|                                                            |                                                                                             | 5711.51              | 49.44               | -58.99           | 108.43                      | 36.04                     | 35.2                          | 12.94                  | 34.74                      | 400                  | 236                     | P                       | H               |
|                                                            |                                                                                             | 5724.785             | 48.78               | -72.93           | 121.71                      | 35.37                     | 35.2                          | 12.96                  | 34.75                      | 400                  | 236                     | P                       | H               |
|                                                            | *                                                                                           | 5885                 | 98.45               | -                | -                           | 85.08                     | 35.07                         | 13.14                  | 34.84                      | 400                  | 236                     | P                       | H               |
|                                                            | *                                                                                           | 5885                 | 91.77               | -                | -                           | 78.4                      | 35.07                         | 13.14                  | 34.84                      | 400                  | 236                     | A                       | H               |
|                                                            |                                                                                             | 5895                 | 83.54               | -26.66           | 110.2                       | 70.14                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 236                     | P                       | H               |
|                                                            |                                                                                             | 5946                 | 50.97               | -37.23           | 88.2                        | 37.64                     | 35.01                         | 13.19                  | 34.87                      | 400                  | 236                     | P                       | H               |
|                                                            |                                                                                             | 5895                 | 79.45               | -10.75           | 90.2                        | 66.05                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 236                     | A                       | H               |
|                                                            |                                                                                             | 5928                 | 41.95               | -26.25           | 68.2                        | 28.6                      | 35.04                         | 13.17                  | 34.86                      | 400                  | 236                     | A                       | H               |
|                                                            |                                                                                             | 5628.32              | 49.1                | -19.1            | 68.2                        | 36.1                      | 34.87                         | 12.82                  | 34.69                      | 271                  | 217                     | P                       | V               |
|                                                            |                                                                                             | 5665.785             | 49.5                | -30.42           | 79.92                       | 36.27                     | 35.06                         | 12.88                  | 34.71                      | 271                  | 217                     | P                       | V               |
|                                                            |                                                                                             | 5700.005             | 48.99               | -56.21           | 105.2                       | 35.59                     | 35.2                          | 12.93                  | 34.73                      | 271                  | 217                     | P                       | V               |
|                                                            |                                                                                             | 5723.605             | 48.24               | -70.78           | 119.02                      | 34.83                     | 35.2                          | 12.96                  | 34.75                      | 271                  | 217                     | P                       | V               |
|                                                            | *                                                                                           | 5885                 | 105.42              | -                | -                           | 92.05                     | 35.07                         | 13.14                  | 34.84                      | 271                  | 217                     | P                       | V               |
|                                                            | *                                                                                           | 5885                 | 96.04               | -                | -                           | 82.67                     | 35.07                         | 13.14                  | 34.84                      | 271                  | 217                     | A                       | V               |
|                                                            |                                                                                             | 5895                 | 88.61               | -21.59           | 110.2                       | 75.21                     | 35.09                         | 13.15                  | 34.84                      | 271                  | 217                     | P                       | V               |
|                                                            |                                                                                             | 5938.25              | 52.01               | -36.19           | 88.2                        | 38.68                     | 35.02                         | 13.18                  | 34.87                      | 271                  | 217                     | P                       | V               |
|                                                            |                                                                                             | 5895                 | 83.59               | -6.61            | 90.2                        | 70.19                     | 35.09                         | 13.15                  | 34.84                      | 271                  | 217                     | A                       | V               |
|                                                            |                                                                                             | 5928.5               | 42.08               | -26.12           | 68.2                        | 28.73                     | 35.04                         | 13.17                  | 34.86                      | 271                  | 217                     | A                       | V               |
| Remark                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**UNII 4 - 5850~5895MHz****WIFI 802.11ax HE40\_Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1                                    | 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>802.11ax<br/>HE40 Full<br/>CH 167<br/>5835MHz</b> |      | 5633.925             | 50.16               | -18.04           | 68.2                        | 37.12                     | 34.9                          | 12.83                  | 34.69                      | 400                  | 265                     | P                       | H               |
|                                                      |      | 5664.9               | 49.31               | -29.95           | 79.26                       | 36.09                     | 35.06                         | 12.87                  | 34.71                      | 400                  | 265                     | P                       | H               |
|                                                      |      | 5719.77              | 48.92               | -61.82           | 110.74                      | 35.51                     | 35.2                          | 12.95                  | 34.74                      | 400                  | 265                     | P                       | H               |
|                                                      |      | 5724.195             | 49.45               | -70.91           | 120.36                      | 36.04                     | 35.2                          | 12.96                  | 34.75                      | 400                  | 265                     | P                       | H               |
|                                                      | *    | 5835                 | 93.75               | -                | -                           | 80.4                      | 35.06                         | 13.1                   | 34.81                      | 400                  | 265                     | P                       | H               |
|                                                      | *    | 5835                 | 85.15               | -                | -                           | 71.8                      | 35.06                         | 13.1                   | 34.81                      | 400                  | 265                     | A                       | H               |
|                                                      |      | 5916                 | 50.58               | -44.21           | 94.79                       | 37.2                      | 35.07                         | 13.16                  | 34.85                      | 400                  | 265                     | P                       | H               |
|                                                      |      | 5931.75              | 50.47               | -37.73           | 88.2                        | 37.11                     | 35.04                         | 13.18                  | 34.86                      | 400                  | 265                     | P                       | H               |
|                                                      |      | 5898                 | 43.06               | -44.93           | 87.99                       | 29.65                     | 35.1                          | 13.15                  | 34.84                      | 400                  | 265                     | A                       | H               |
|                                                      |      | 5927.75              | 43.21               | -24.99           | 68.2                        | 29.86                     | 35.04                         | 13.17                  | 34.86                      | 400                  | 265                     | A                       | H               |
|                                                      |      | 5649.56              | 48.74               | -19.46           | 68.2                        | 35.59                     | 35                            | 12.85                  | 34.7                       | 278                  | 217                     | P                       | V               |
|                                                      |      | 5670.21              | 49.92               | -33.27           | 83.19                       | 36.68                     | 35.08                         | 12.88                  | 34.72                      | 278                  | 217                     | P                       | V               |
|                                                      |      | 5707.085             | 48.76               | -58.43           | 107.19                      | 35.36                     | 35.2                          | 12.94                  | 34.74                      | 278                  | 217                     | P                       | V               |
|                                                      |      | 5721.245             | 47.97               | -65.67           | 113.64                      | 34.55                     | 35.2                          | 12.96                  | 34.74                      | 278                  | 217                     | P                       | V               |
|                                                      | *    | 5835                 | 97.72               | -                | -                           | 84.37                     | 35.06                         | 13.1                   | 34.81                      | 278                  | 217                     | P                       | V               |
|                                                      | *    | 5835                 | 89.71               | -                | -                           | 76.36                     | 35.06                         | 13.1                   | 34.81                      | 278                  | 217                     | A                       | V               |
|                                                      |      | 5902.75              | 51.47               | -53.04           | 104.51                      | 38.08                     | 35.09                         | 13.15                  | 34.85                      | 278                  | 217                     | P                       | V               |
|                                                      |      | 5992.25              | 50.96               | -37.24           | 88.2                        | 37.47                     | 35.17                         | 13.22                  | 34.9                       | 278                  | 217                     | P                       | V               |
|                                                      |      | 5896.5               | 43.29               | -45.81           | 89.1                        | 29.89                     | 35.09                         | 13.15                  | 34.84                      | 278                  | 217                     | A                       | V               |
|                                                      |      | 5933                 | 43.23               | -24.97           | 68.2                        | 29.88                     | 35.03                         | 13.18                  | 34.86                      | 278                  | 217                     | A                       | V               |



| WIFI<br>Ant.<br>1                          | 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>HE40 Full<br>CH 175<br>5875MHz |                                                                                             | 5648.675             | 50                  | -18.2            | 68.2                        | 36.86                     | 34.99                         | 12.85                  | 34.7                       | 400                  | 251                     | P                       | H               |
|                                            |                                                                                             | 5650.74              | 49.02               | -19.73           | 68.75                       | 35.87                     | 35                            | 12.85                  | 34.7                       | 400                  | 251                     | P                       | H               |
|                                            |                                                                                             | 5705.905             | 48.47               | -58.39           | 106.86                      | 35.08                     | 35.2                          | 12.93                  | 34.74                      | 400                  | 251                     | P                       | H               |
|                                            |                                                                                             | 5722.72              | 48.56               | -68.44           | 117                         | 35.14                     | 35.2                          | 12.96                  | 34.74                      | 400                  | 251                     | P                       | H               |
|                                            | *                                                                                           | 5875                 | 95.13               | -                | -                           | 81.78                     | 35.05                         | 13.13                  | 34.83                      | 400                  | 251                     | P                       | H               |
|                                            | *                                                                                           | 5875                 | 85.31               | -                | -                           | 71.96                     | 35.05                         | 13.13                  | 34.83                      | 400                  | 251                     | A                       | H               |
|                                            |                                                                                             | 5895                 | 69.59               | -40.61           | 110.2                       | 56.19                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 251                     | P                       | H               |
|                                            |                                                                                             | 5972                 | 51.07               | -37.13           | 88.2                        | 37.65                     | 35.09                         | 13.21                  | 34.88                      | 400                  | 251                     | P                       | H               |
|                                            |                                                                                             | 5895                 | 60.79               | -29.41           | 90.2                        | 47.39                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 251                     | A                       | H               |
|                                            |                                                                                             | 5926.25              | 43                  | -25.2            | 68.2                        | 29.64                     | 35.05                         | 13.17                  | 34.86                      | 400                  | 251                     | A                       | H               |
|                                            |                                                                                             | 5635.105             | 50.03               | -18.17           | 68.2                        | 36.99                     | 34.91                         | 12.83                  | 34.7                       | 261                  | 216                     | P                       | V               |
|                                            |                                                                                             | 5687.91              | 49.65               | -46.63           | 96.28                       | 36.32                     | 35.15                         | 12.91                  | 34.73                      | 261                  | 216                     | P                       | V               |
|                                            |                                                                                             | 5711.805             | 50.25               | -58.26           | 108.51                      | 36.85                     | 35.2                          | 12.94                  | 34.74                      | 261                  | 216                     | P                       | V               |
|                                            |                                                                                             | 5720.065             | 48.06               | -62.89           | 110.95                      | 34.65                     | 35.2                          | 12.95                  | 34.74                      | 261                  | 216                     | P                       | V               |
|                                            | *                                                                                           | 5875                 | 94.08               | -                | -                           | 80.73                     | 35.05                         | 13.13                  | 34.83                      | 261                  | 216                     | P                       | V               |
|                                            | *                                                                                           | 5875                 | 88.62               | -                | -                           | 75.27                     | 35.05                         | 13.13                  | 34.83                      | 261                  | 216                     | A                       | V               |
|                                            |                                                                                             | 5895                 | 70.42               | -39.78           | 110.2                       | 57.02                     | 35.09                         | 13.15                  | 34.84                      | 261                  | 216                     | P                       | V               |
|                                            |                                                                                             | 5961                 | 51.63               | -36.57           | 88.2                        | 38.27                     | 35.04                         | 13.2                   | 34.88                      | 261                  | 216                     | P                       | V               |
|                                            |                                                                                             | 5895                 | 63.91               | -26.29           | 90.2                        | 50.51                     | 35.09                         | 13.15                  | 34.84                      | 261                  | 216                     | A                       | V               |
|                                            |                                                                                             | 5927.25              | 43.31               | -24.89           | 68.2                        | 29.95                     | 35.05                         | 13.17                  | 34.86                      | 261                  | 216                     | A                       | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## UNII 4 - 5850~5895MHz

### WIFI 802.11ax HE40\_Full (Harmonic @ 3m)

[illegible]

[illegible]



## UNII 4 - 5850~5895MHz

## WIFI 802.11ax HE80\_Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1                          | 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>HE80 Full<br>CH 171<br>5855MHz |                                                                                             | 5629.5               | 49.22               | -18.98           | 68.2                        | 36.21                     | 34.88                         | 12.82                  | 34.69                      | 400                  | 265                     | P                       | H               |
|                                            |                                                                                             | 5654.28              | 49.5                | -21.88           | 71.38                       | 36.33                     | 35.02                         | 12.86                  | 34.71                      | 400                  | 265                     | P                       | H               |
|                                            |                                                                                             | 5712.395             | 48.91               | -59.76           | 108.67                      | 35.51                     | 35.2                          | 12.94                  | 34.74                      | 400                  | 265                     | P                       | H               |
|                                            |                                                                                             | 5725.08              | 48.64               | -85.56           | 134.2                       | 35.23                     | 35.2                          | 12.96                  | 34.75                      | 400                  | 265                     | P                       | H               |
|                                            | *                                                                                           | 5855                 | 90.56               | -                | -                           | 77.26                     | 35.01                         | 13.11                  | 34.82                      | 400                  | 265                     | P                       | H               |
|                                            | *                                                                                           | 5855                 | 82.37               | -                | -                           | 69.07                     | 35.01                         | 13.11                  | 34.82                      | 400                  | 265                     | A                       | H               |
|                                            |                                                                                             | 5895                 | 58.37               | -51.83           | 110.2                       | 44.97                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 265                     | P                       | H               |
|                                            |                                                                                             | 5994                 | 51.15               | -37.05           | 88.2                        | 37.64                     | 35.18                         | 13.23                  | 34.9                       | 400                  | 265                     | P                       | H               |
|                                            |                                                                                             | 5895                 | 54.57               | -35.63           | 90.2                        | 41.17                     | 35.09                         | 13.15                  | 34.84                      | 400                  | 265                     | A                       | H               |
|                                            |                                                                                             | 5932.25              | 43.72               | -24.48           | 68.2                        | 30.36                     | 35.04                         | 13.18                  | 34.86                      | 400                  | 265                     | A                       | H               |
|                                            |                                                                                             | 5646.315             | 48.64               | -19.56           | 68.2                        | 35.51                     | 34.98                         | 12.85                  | 34.7                       | 277                  | 217                     | P                       | V               |
|                                            |                                                                                             | 5679.355             | 49.45               | -40.51           | 89.96                       | 36.15                     | 35.12                         | 12.9                   | 34.72                      | 277                  | 217                     | P                       | V               |
|                                            |                                                                                             | 5711.805             | 49.3                | -59.21           | 108.51                      | 35.9                      | 35.2                          | 12.94                  | 34.74                      | 277                  | 217                     | P                       | V               |
|                                            |                                                                                             | 5722.425             | 49.31               | -67.02           | 116.33                      | 35.89                     | 35.2                          | 12.96                  | 34.74                      | 277                  | 217                     | P                       | V               |
|                                            | *                                                                                           | 5855                 | 93.71               | -                | -                           | 80.41                     | 35.01                         | 13.11                  | 34.82                      | 277                  | 217                     | P                       | V               |
|                                            | *                                                                                           | 5855                 | 86.6                | -                | -                           | 73.3                      | 35.01                         | 13.11                  | 34.82                      | 277                  | 217                     | A                       | V               |
|                                            |                                                                                             | 5895                 | 62.02               | -48.18           | 110.2                       | 48.62                     | 35.09                         | 13.15                  | 34.84                      | 277                  | 217                     | P                       | V               |
|                                            |                                                                                             | 5934.75              | 53.84               | -34.36           | 88.2                        | 40.49                     | 35.03                         | 13.18                  | 34.86                      | 277                  | 217                     | P                       | V               |
|                                            |                                                                                             | 5895                 | 61.74               | -28.46           | 90.2                        | 48.34                     | 35.09                         | 13.15                  | 34.84                      | 277                  | 217                     | A                       | V               |
|                                            |                                                                                             | 5926.75              | 46.53               | -21.67           | 68.2                        | 33.17                     | 35.05                         | 13.17                  | 34.86                      | 277                  | 217                     | A                       | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## UNII 4 - 5850~5895MHz

## WIFI 802.11ax HE80\_Full (Harmonic @ 3m)

[illegible]

## Emission below 1GHz

## 5GHz WIFI 802.11ax HE20 Full (LF @ 3m)

[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>Margin limit</b> line.                                                                                                                 |
| P/A | <b>Peak</b> or <b>Av</b>                                                                                                                                 |
| 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      | Margin | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3+4     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a |      | 5945      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 169  |      | 5945      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |
| 5845MHz |      |           |            |        |            |          |          |        |        |        |         |         |         |

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. Margin Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 5945MHz:**

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. Margin Limit(dB)  
 = Level(dBμV/m) – Limit Line(dBμV/m)  
 = 55.45(dBμV/m) – 74(dBμV/m)  
 = -18.55(dB)

**For Average Limit @ 5945MHz:**

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. Margin 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

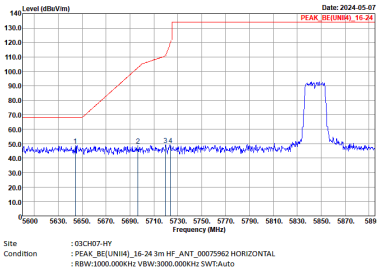
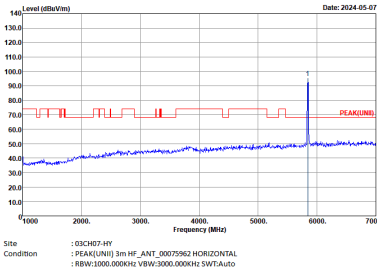
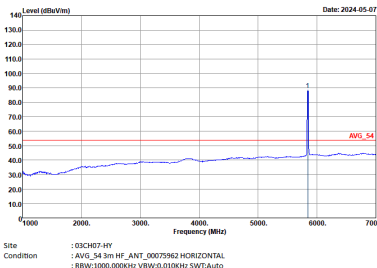
|                        |                                   |                            |            |
|------------------------|-----------------------------------|----------------------------|------------|
| <b>Test Engineer :</b> | Jesse Wang, Stan Hsieh and Ken Wu | <b>Temperature :</b>       | 22.1~26°C  |
|                        |                                   | <b>Relative Humidity :</b> | 48.2~69.5% |

### Note symbol

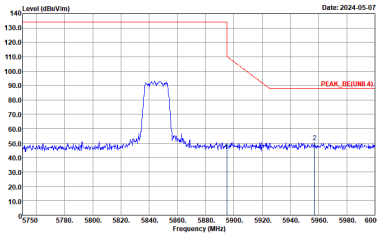
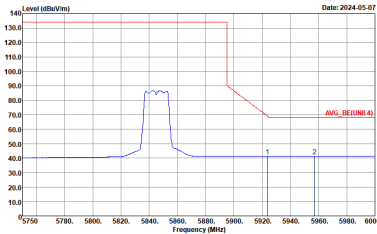
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



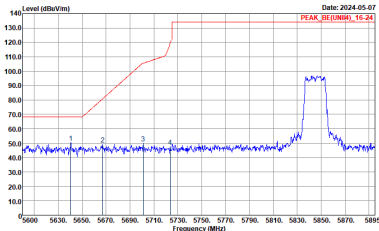
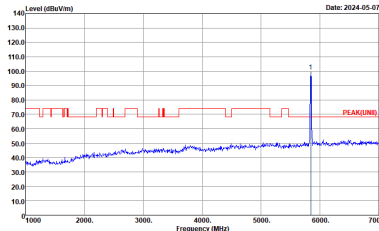
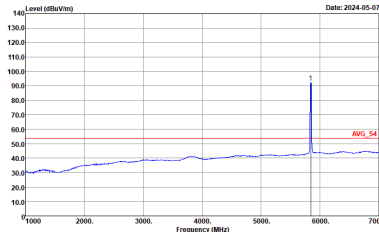
UNII 4 - 5850~5895MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH169 5845MHz -L                                                                                                                                                                                                  |                                                                                                                                                                                                                    |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_802.11a_16-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>      |

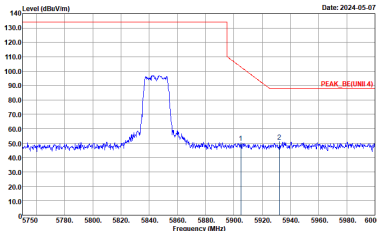
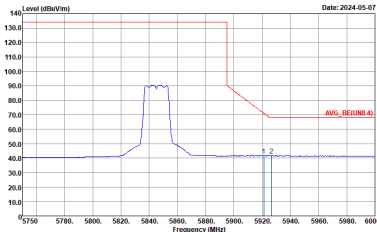


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH169 5845MHz -R                                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

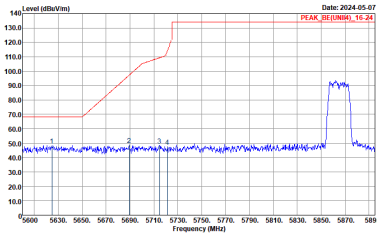
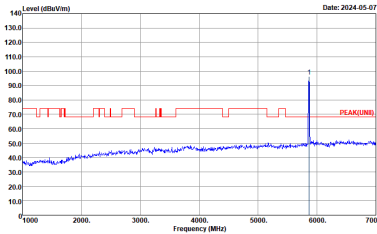
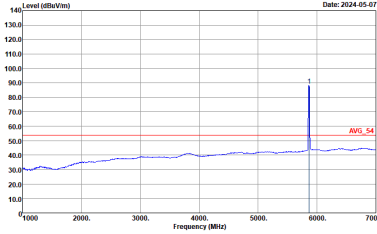


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH169 5845MHz -L                                                                                                                                                                                                   |                                                                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII4)_16-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                                 |  <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p>      |

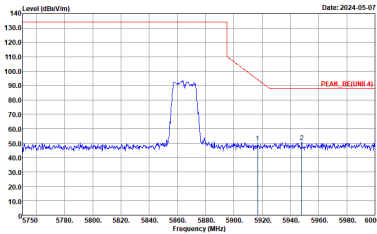
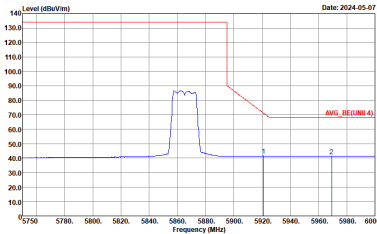


|      |                                                                                                                                                                                                                              |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |             |
| ANT  | 802.11a CH169 5845MHz -R                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div>  | Left blank  |
| Avg  | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | Left blank  |

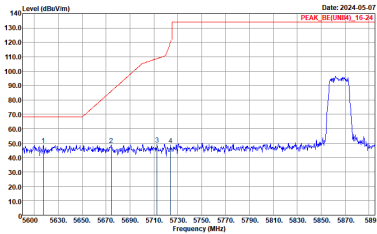
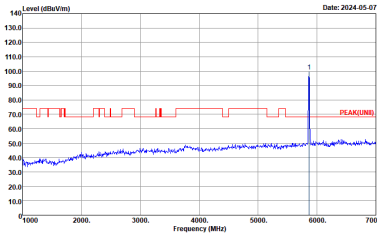
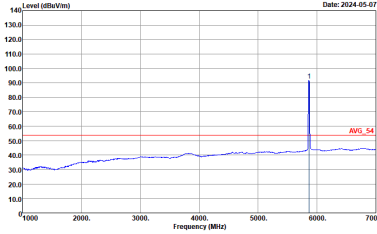


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH173 5865MHz -L                                                                                                                                                                                                 |                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_5865MHz_15-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK_5865MHz 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>  |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG_5865MHz 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |

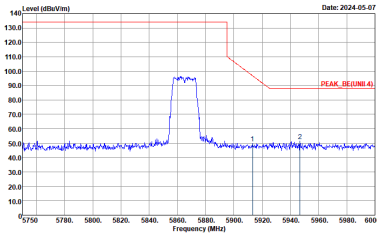
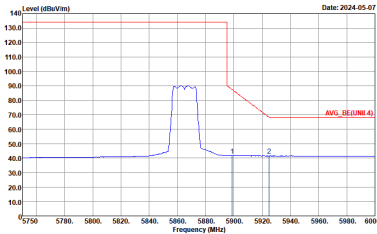


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH173 5865MHz -R                                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

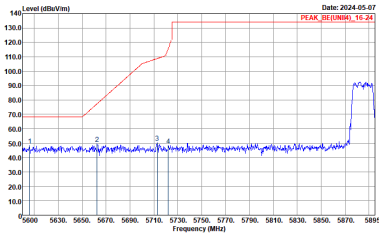
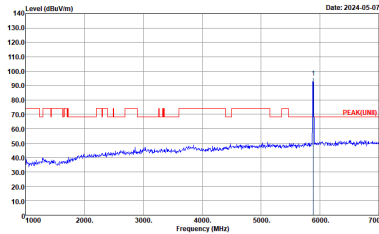
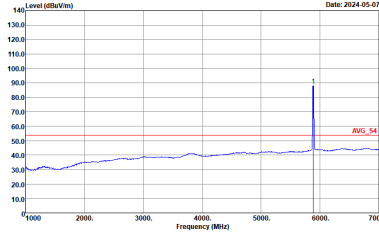


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                  |                                                                                                                                                                                                                |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH173 5865MHz -L                                                                                                                                                                                              |                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_80211a_16-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK_UNII 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                            |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p>     |

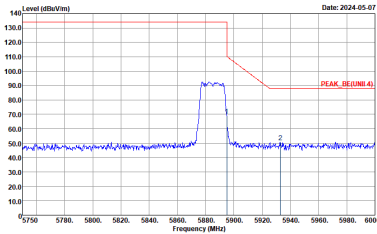
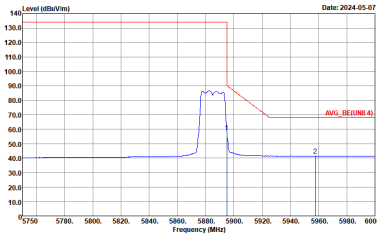


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH173 5865MHz -R                                                                                                                                                                                            |             |
| 1    | Vertical                                                                                                                                                                                                            | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>   | Left blank  |

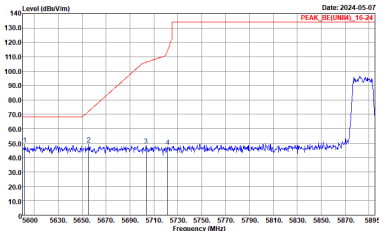
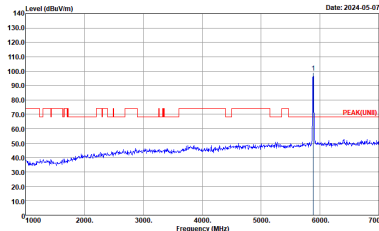
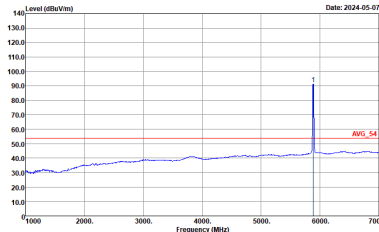


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                          |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH177 5885MHz -L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4)_16-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> <p>Date: 2024-05-07<br/>PEAK_BE(UNII4)_16-24</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> <p>Date: 2024-05-07<br/>PEAK(UNII)</p> |
| Avg  | Left blank                                                                                                                                                                                                                                                                  |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p> <p>Date: 2024-05-07<br/>AVG_54</p>          |

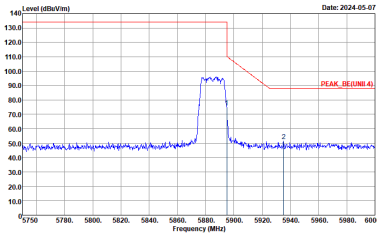
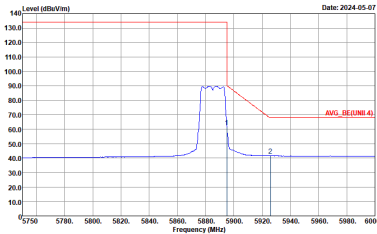


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH177 5885MHz -L                                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |



| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH177 5885MHz -L                                                                                                                                                                                                 |                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4)_16-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG_S4 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p>      |

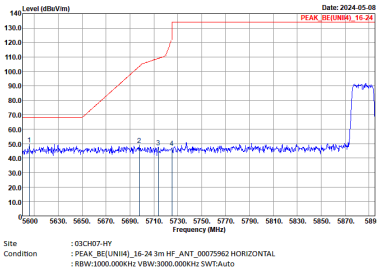
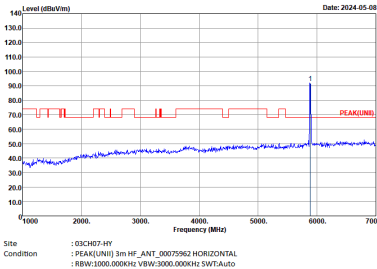
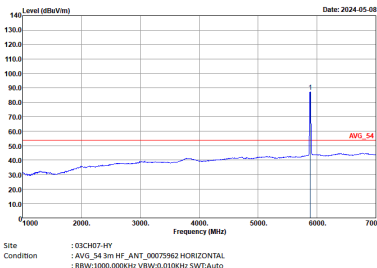


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH177 5885MHz -R                                                                                                                                                                                          |             |
| 1    | Vertical                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |

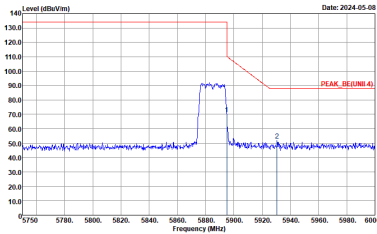
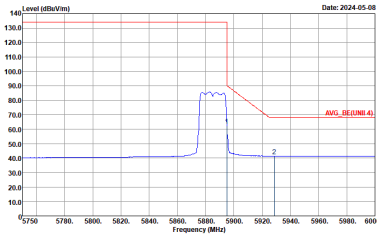


## UNII 4 - 5850~5895MHz

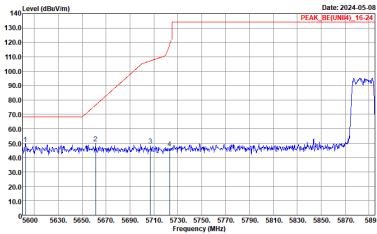
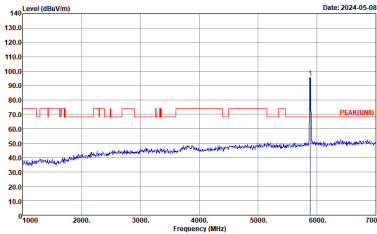
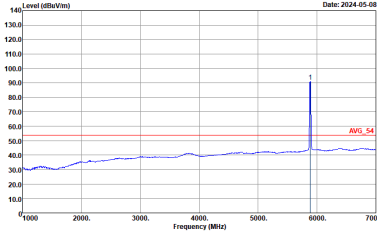
## WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                          |                                                                                                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH177 5885MHz -L                                                                                                                                                                               |                                                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_802.11ac VHT20 CH177 5885MHz -L<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK_802.11ac VHT20 CH177 5885MHz -L<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  |
| Avg  | Left blank                                                                                                                                                                                                    |  <p>Site : 03CH07-HY<br/>Condition : AVG_802.11ac VHT20 CH177 5885MHz -L<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |

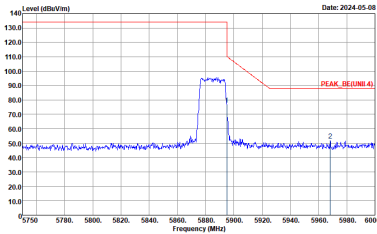
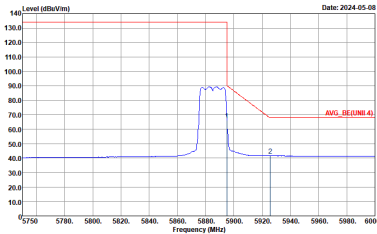


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH177 5885MHz -R                                                                                                                                                                                           |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

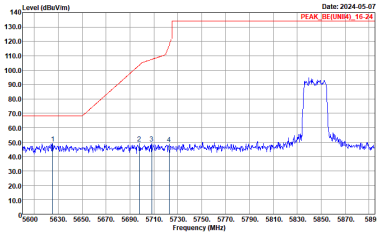
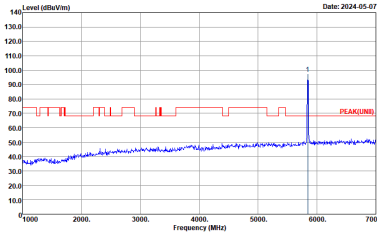
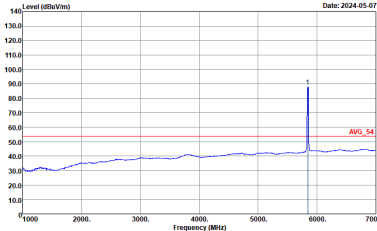


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH177 5885MHz -L                                                                                                                                                                                          |                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_REF(UNII)_15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p>      |

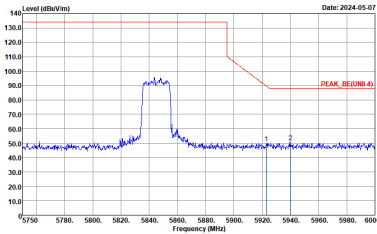
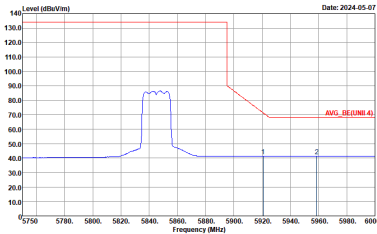


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH177 5885MHz -R                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |

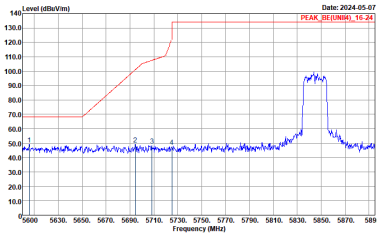
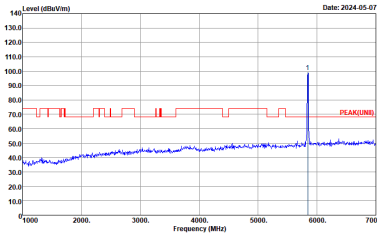
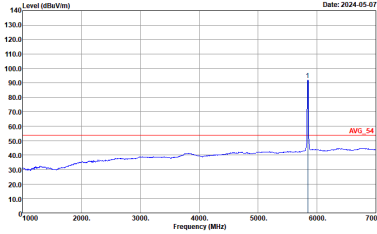
**UNII 4 - 5850~5895MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH169 5845MHz -L                                                                                                                                                                                          |                                                                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH07-HY<br/> Condition : PEAK_BE[UNII4]_16-24 3m HF_ANT_00075962 HORIZONTAL<br/> : RBW:3000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/> Condition : PEAK[UNII] 3m HF_ANT_00075962 HORIZONTAL<br/> : RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH07-HY<br/> Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/> : RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>      |

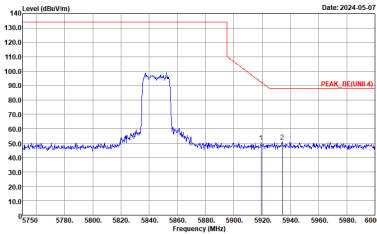
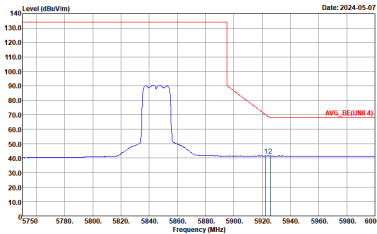


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                    |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH169 5845MHz -R                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

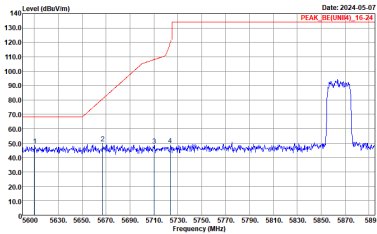
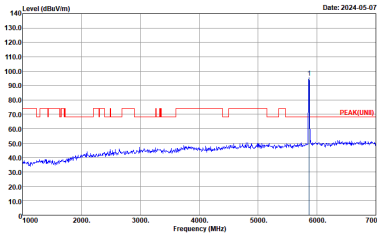
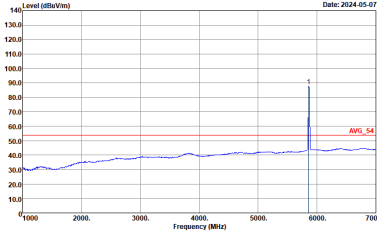


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH169 5845MHz -L                                                                                                                                                                                       |                                                                                                                                                                                                                  |
| 1    | Vertical                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_REF(UNII)_15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>   |

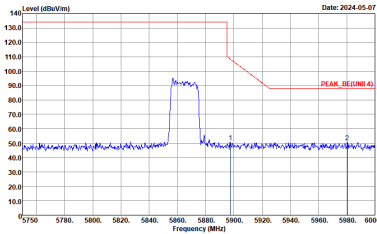
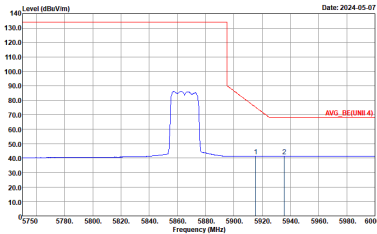


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH169 5845MHz -R                                                                                                                                                                                 |             |
| 1    | Vertical                                                                                                                                                                                                            | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:5.000kHz SWTAuto</p>   | Left blank  |

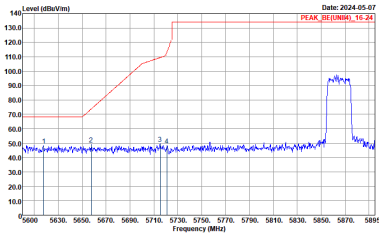
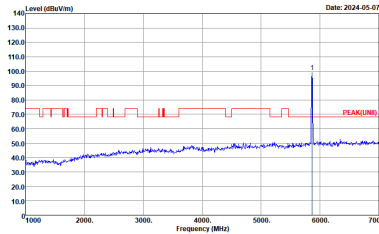
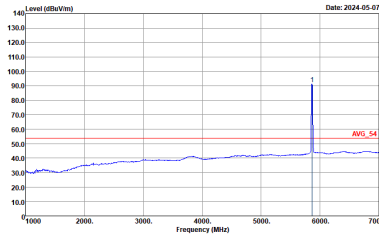


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz -L                                                                                                                                                                                          |                                                                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_REF(UNII)_15-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p>      |

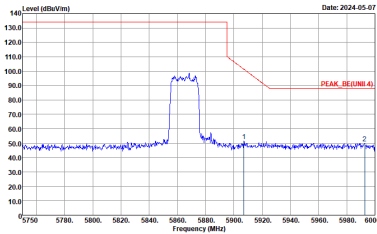
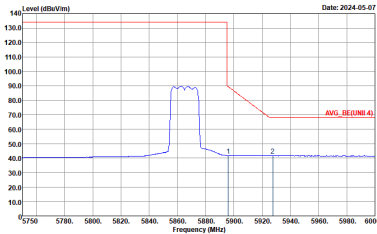


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                  |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz -R                                                                                                                                                                                   |             |
| 1    | Horizontal                                                                                                                                                                                                            | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

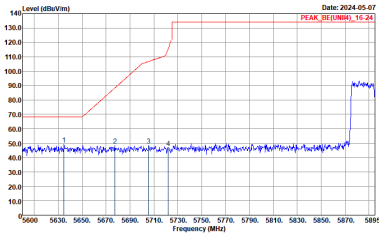
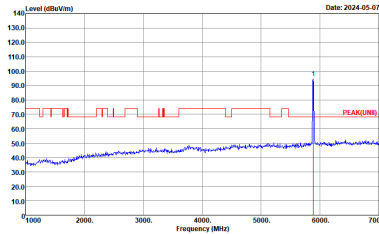
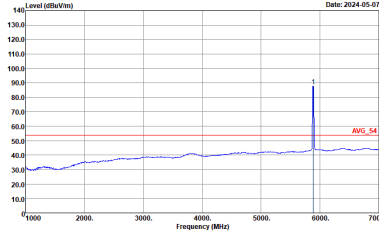


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz -L                                                                                                                                                                                      |                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_REF(UNII)_15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>   |

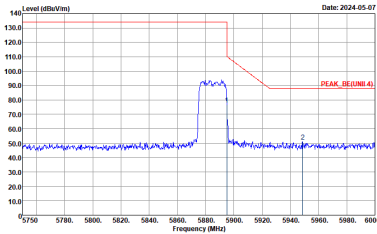
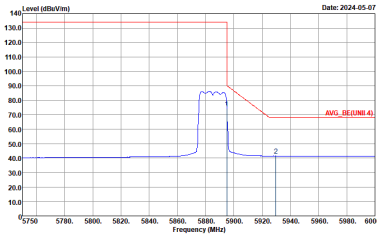


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                               |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz -R                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:5.000kHz SWT:Auto</p>   | Left blank  |

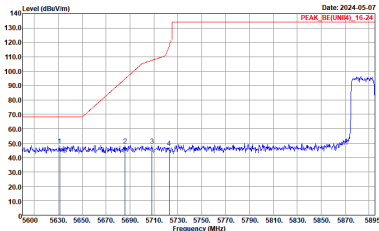
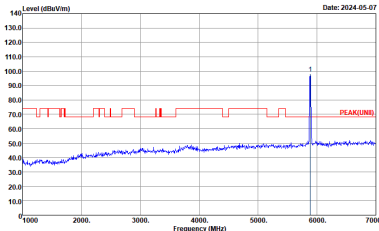
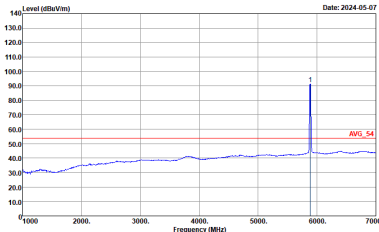


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH177 5885MHz -L                                                                                                                                                                                          |                                                                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII4)_15-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p>      |

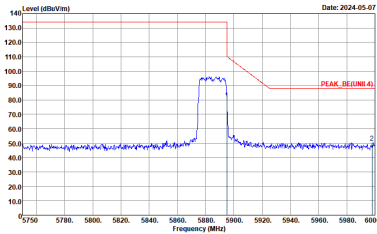
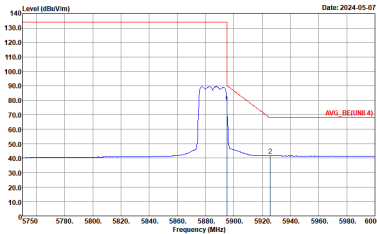


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH177 5885MHz -R                                                                                                                                                                                       |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |



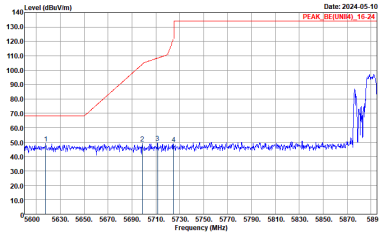
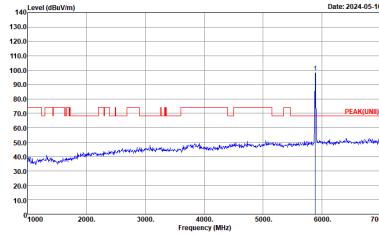
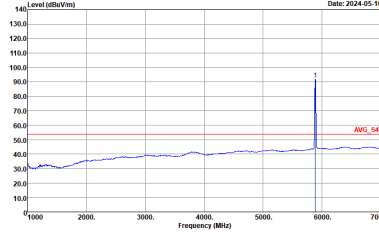
|      |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                           |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                           |
| ANT  | 802.11ax HE20 Full CH177 5885MHz -L                                                                                                                                                                                                |                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_REF(UNII)_15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> | <div><p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p></div> |
| Avg  | Left blank                                                                                                                                                                                                                         | <div><p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p></div>      |



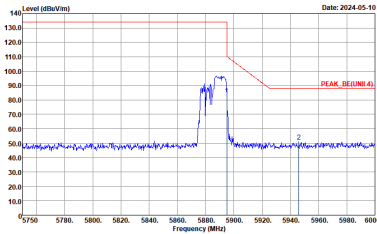
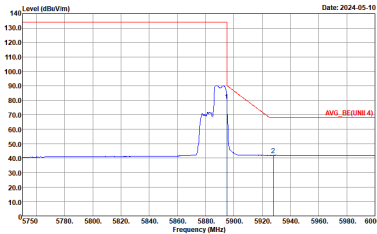
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH177 5885MHz -R                                                                                                                                                                                 |             |
| 1    | Vertical                                                                                                                                                                                                            | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |



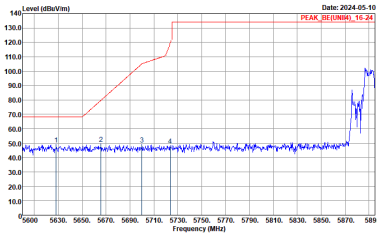
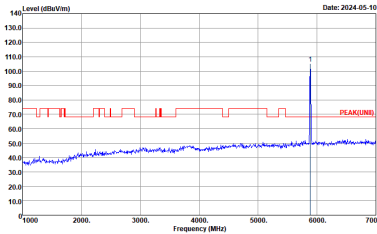
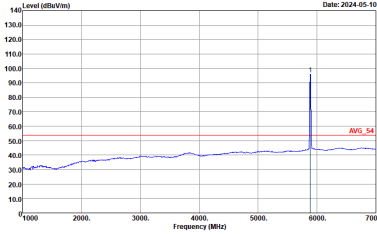
UNII 4 - 5850~5895MHz  
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz -L                                                                                                                                                                              |                                                                                                                                                                                                                   |
| 1    | Horizontal                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4)_16-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                                 |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.010kHz SWTAuto</p>      |

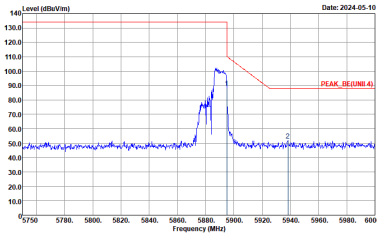
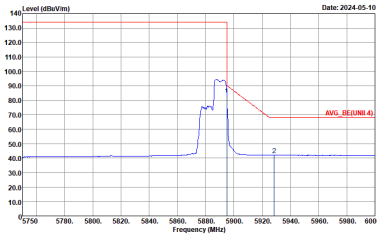


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz -R                                                                                                                                                                            |             |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   | Left blank  |



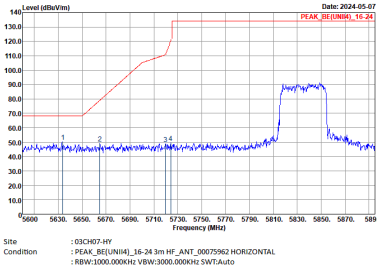
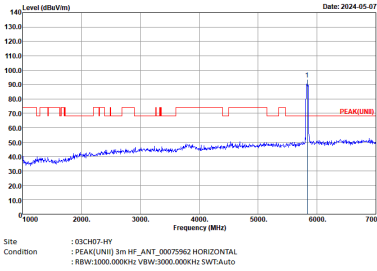
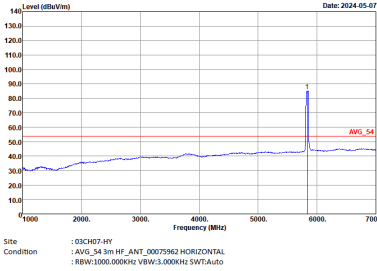
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz -L                                                                                                                                                                            |                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_REF(UNII)_16-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:0.030kHz SWTAuto</p>      |



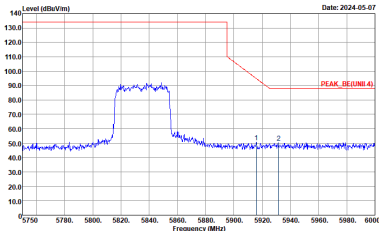
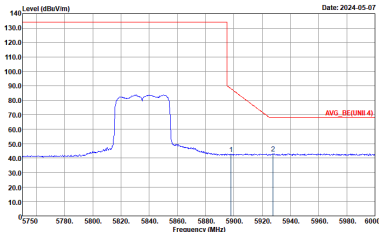
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                               |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz -R                                                                                                                                                                      |             |
| 1    | Vertical                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>  | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |



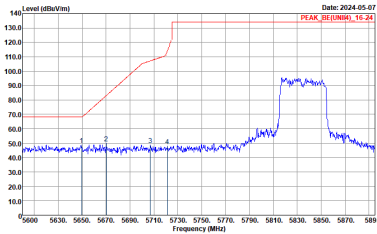
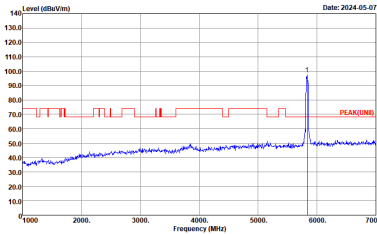
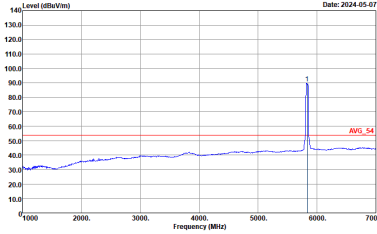
UNII 4 - 5850~5895MHz  
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                              |                                                                                      |
|------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH167 5835MHz -L                                               |                                                                                      |
| 1    | Horizontal                                                                        | Fundamental                                                                          |
| Peak |  |    |
| Avg  | Left blank                                                                        |  |



|      |                                                                                                                                                                                                                               |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                          |             |
| ANT  | 802.11ax HE40 Full CH167 5835MHz -R                                                                                                                                                                                           |             |
| 1    | Horizontal                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4) 3m HF_ANT_00075962 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg  | <div><p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII4) 3m HF_ANT_00075962 HORIZONTAL<br/>RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p></div>   | Left blank  |

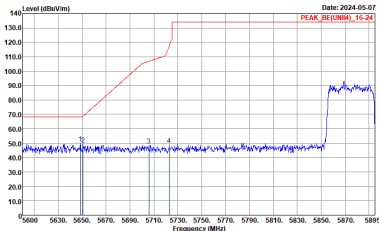
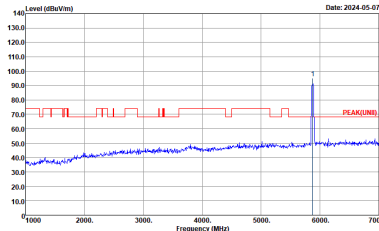
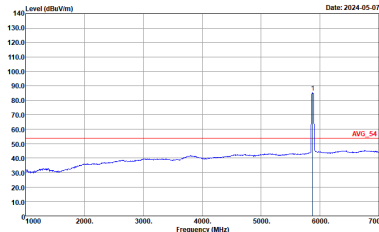


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH167 5835MHz -L                                                                                                                                                                                      |                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_REF (MIR) 15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK (MIR) 15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG 15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p>      |

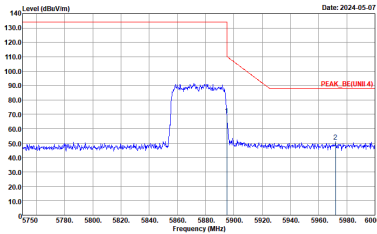
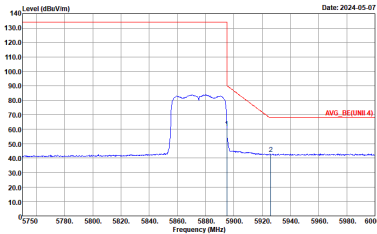


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                            |             |
|------|---------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH167 5835MHz -R                                                                                             |             |
| 1    | Vertical                                                                                                                        | Fundamental |
| Peak | <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |
| Avg  | <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>     | Left blank  |

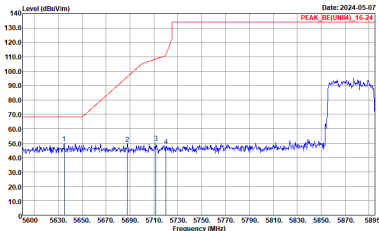
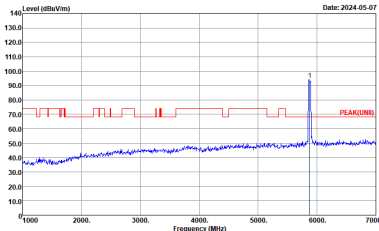
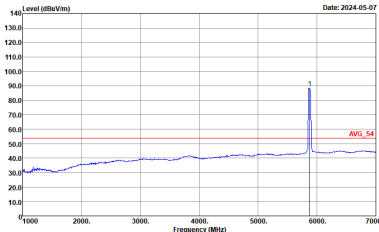


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH175 5875MHz -L                                                                                                                                                                                          |                                                                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII4)_15-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH07-HY<br/>Condition : : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>      |

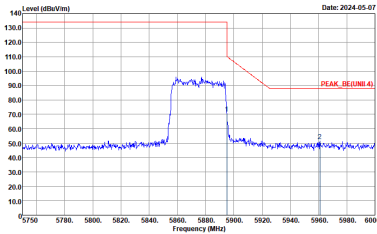
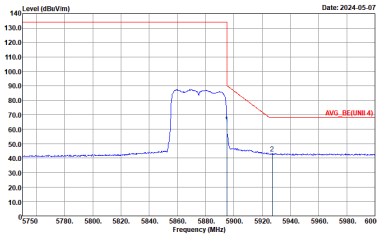


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH175 5875MHz -R                                                                                                                                                                                      |             |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   | Left blank  |



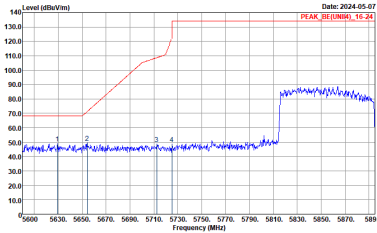
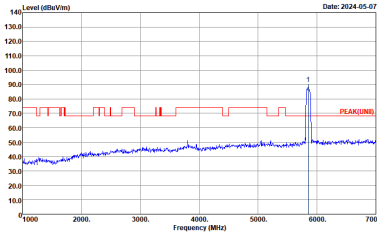
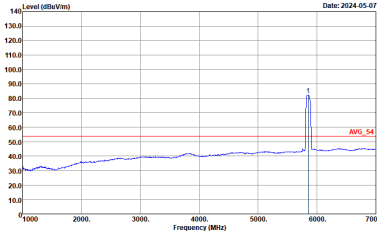
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH175 5875MHz -L                                                                                                                                                                                      |                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4)_16-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG_S4 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>      |



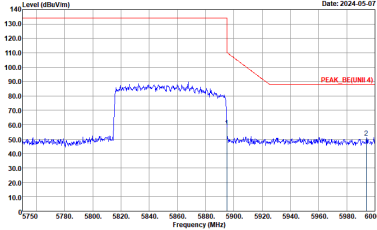
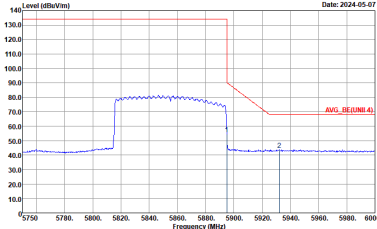
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                             |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH175 5875MHz -R                                                                                                                                                                              |             |
| 1    | Vertical                                                                                                                                                                                                         | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>   | Left blank  |



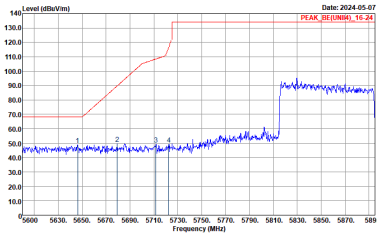
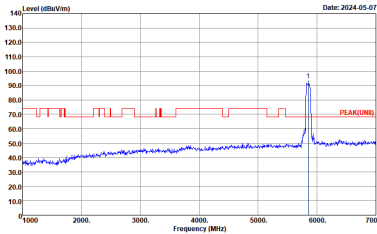
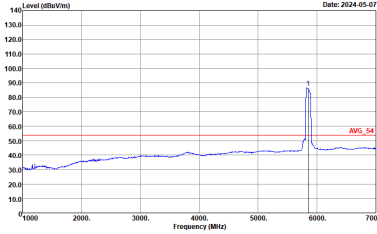
UNII 4 - 5850~5895MHz  
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Full CH171 5855MHz -L                                                                                                                                                                                        |                                                                                                                                                                                                                   |
| 1    | Horizontal                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII4)_1E-24 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:3000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                                 |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3.600kHz SWTAuto</p>      |

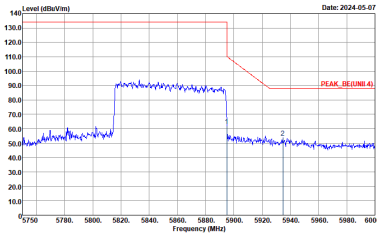
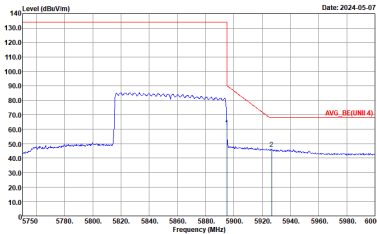


| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                 |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Full CH171 5855MHz -R                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 HORIZONTAL<br/>RBW:1000.000kHz VBW:3.000kHz SWT:Auto</p>   | Left blank  |



| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Full CH171 5855MHz -L                                                                                                                                                                                      |                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_REF(UNII)_15-24 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> |
| Avg  | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH07-HY<br/>Condition : AVG_54 3m HF_ANT_00075962 VERTICAL<br/>: RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>      |



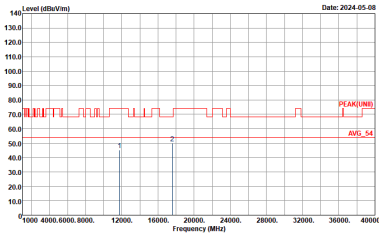
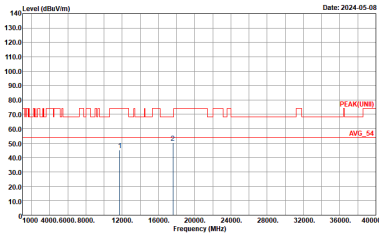
| WIFI | UNII 4 - 5850~5895MHz Band Edge @ 3m                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Full CH171 5855MHz -R                                                                                                                                                                               |             |
| 1    | Vertical                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH07-HY<br/>Condition : PEAK_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWTAuto</p> | Left blank  |
| Avg  |  <p>Site : 03CH07-HY<br/>Condition : AVG_BE(UNII 4) 3m HF_ANT_00075962 VERTICAL<br/>RBW:1000.000kHz VBW:3.000kHz SWTAuto</p>   | Left blank  |



UNII 4 - 5850~5895MHz  
WIFI 802.11a (Harmonic @ 3m)

|              |                                                                                                                                         |                                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                                     |                                                                                                                                       |
| ANT          | 802.11a CH169 5845MHz                                                                                                                   |                                                                                                                                       |
| 1            | Horizontal                                                                                                                              | Vertical                                                                                                                              |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-05-08</p><p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-05-08</p><p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL</p></div> |



|              |                                                                                                                                                                                            |                                                                                                                                                                                           |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                                                                                        |                                                                                                                                                                                           |
| ANT          | 802.11a CH173 5865MHz                                                                                                                                                                      |                                                                                                                                                                                           |
| 1            | Horizontal                                                                                                                                                                                 | Vertical                                                                                                                                                                                  |
| Peak<br>Avg. | <div><p>Site : 09CH07-HY<br/>Condition : PEAK[UNII] 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -</p></div> | <div><p>Site : 09CH07-HY<br/>Condition : PEAK[UNII] 3m HF_ANT_00075962 VERTICAL<br/>- - - - -</p></div> |



|              |                                                                                                                         |                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                     |                                                                                                                       |
| ANT          | 802.11a CH177 5885MHz                                                                                                   |                                                                                                                       |
| 1            | Horizontal                                                                                                              | Vertical                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 09CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -<br/>- - - - -</p></div> | <div><p>Site : 09CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>- - - - -<br/>- - - - -</p></div> |



UNII 4 - 5850~5895MHz  
WIFI 802.11ac VHT20 (Harmonic @ 3m)

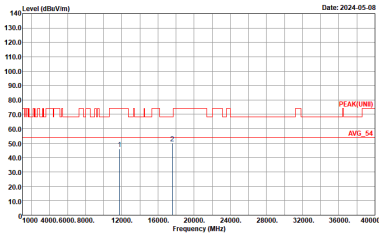
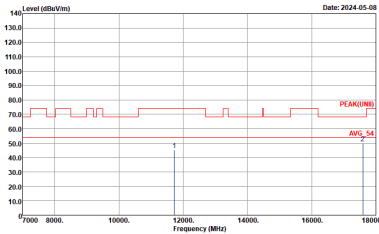
|              |                                                                                                                                        |                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                                    |                                                                                                                                      |
| ANT          | 802.11ac VHT20 CH177 5885MHz                                                                                                           |                                                                                                                                      |
| 1            | Horizontal                                                                                                                             | Vertical                                                                                                                             |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2024-05-08</p><p>Site : 03CH07-HY<br/>Condition : PEAK(UNB) 3m HF_ANT_00075962 HORIZONTAL</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-05-08</p><p>Site : 03CH07-HY<br/>Condition : PEAK(UNB) 3m HF_ANT_00075962 VERTICAL</p></div> |



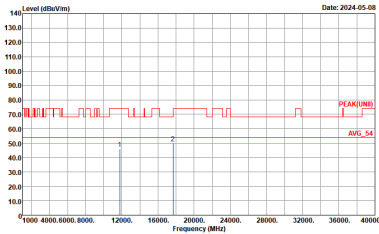
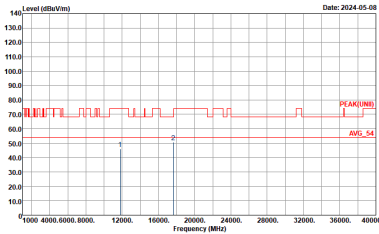
UNII 4 - 5850~5895MHz  
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                              |                                                                                |
|--------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| ANT          | 802.11ax HE20 Full CH169 5845MHz                                                 |                                                                                |
| 1            | Horizontal                                                                       | Vertical                                                                       |
| Peak<br>Avg. | <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL</p> | <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL</p> |



|              |                                                                                                                                                                                           |                                                                                                                                                                                          |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                                                                                       |                                                                                                                                                                                          |
| ANT          | 802.11ax HE20 Full CH173 5865MHz                                                                                                                                                          |                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                | Vertical                                                                                                                                                                                 |
| Peak<br>Avg. | <div><p>Site : 09CH07-HY<br/>Condition : PEAK(UNB) 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -</p></div> | <div><p>Site : 09CH07-HY<br/>Condition : PEAK(UNB) 3m HF_ANT_00075962 VERTICAL<br/>- - - - -</p></div> |



|              |                                                                                                                                                                                                          |                                                                                                                                                                                                         |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                         |
| ANT          | 802.11ax HE20 Full CH177 5885MHz                                                                                                                                                                         |                                                                                                                                                                                                         |
| 1            | Horizontal                                                                                                                                                                                               | Vertical                                                                                                                                                                                                |
| Peak<br>Avg. | <div><p>Site : 09CH07-HY<br/>Condition : PEAK[UNII] 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -<br/>- - - - -</p></div> | <div><p>Site : 09CH07-HY<br/>Condition : PEAK[UNII] 3m HF_ANT_00075962 VERTICAL<br/>- - - - -<br/>- - - - -</p></div> |



UNII 4 - 5850~5895MHz  
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

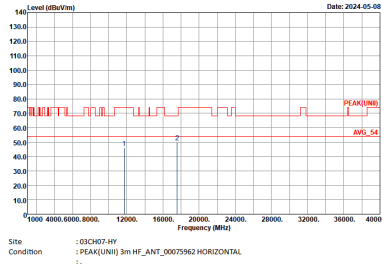
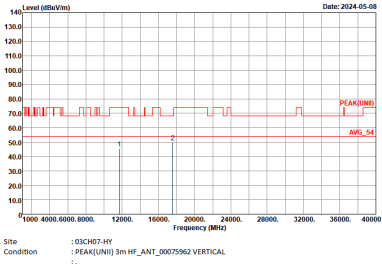
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                              |                                                                                |
|--------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| ANT          | 802.11ax HE40 Full CH167 5835MHz                                                 |                                                                                |
| 1            | Horizontal                                                                       | Vertical                                                                       |
| Peak<br>Avg. | <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL</p> | <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL</p> |



|              |                                                                                                                         |                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                     |                                                                                                                       |
| ANT          | 802.11ax HE40 Full CH175 5875MHz                                                                                        |                                                                                                                       |
| 1            | Horizontal                                                                                                              | Vertical                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 09CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>- - - - -<br/>- - - - -</p></div> | <div><p>Site : 09CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>- - - - -<br/>- - - - -</p></div> |



UNII 4 - 5850~5895MHz  
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI         | UNII 4 - 5850~5895MHz Harmonic @ 3m                                                                                                                                                     |                                                                                                                                                                                        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ax HE80 Full CH171 5855MHz                                                                                                                                                        |                                                                                                                                                                                        |
| 1            | Horizontal                                                                                                                                                                              | Vertical                                                                                                                                                                               |
| Peak<br>Avg. |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL<br/>Date: 2024-05-08</p> |  <p>Site : 03CH07-HY<br/>Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL<br/>Date: 2024-05-08</p> |



Emission below 1GHz  
5GHz WIFI 802.11ax HE20 Full (LF @ 3m)

| WIFI         | 5GHz WIFI                                                                                                                       |                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ax HE20 Full LF                                                                                                           |                                                                                                                               |
| 1            | Horizontal                                                                                                                      | Vertical                                                                                                                      |
| QP /<br>Peak | <div><p>Level (dBuV/m)</p><p>Date: 2024-05-10</p><p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6) HORIZONTAL</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2024-05-10</p><p>Site : 03CH07-HY<br/>Condition : QP 3m LF-ANT-35419(6) VERTICAL</p></div> |
|              |                                                                                                                                 |                                                                                                                               |

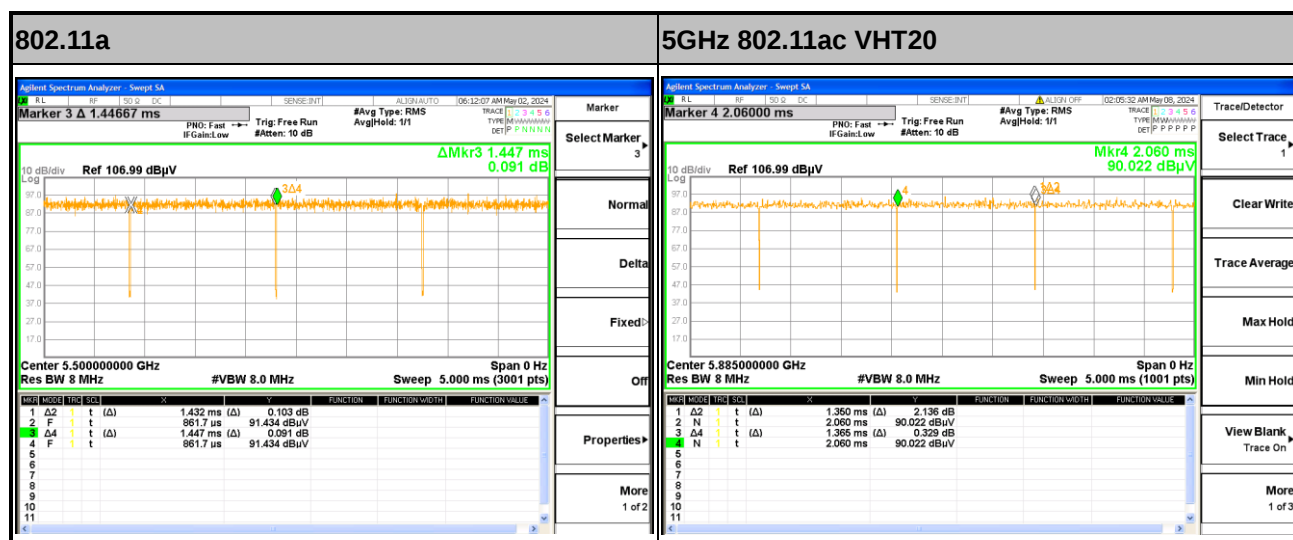


## Appendix E. Duty Cycle Plots

<For Radiated Spurious Emission test>

| Antenna | Band                       | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------|----------------------------|---------------|-------|----------|-------------|
| 1       | 802.11a                    | 98.96         | -     | -        | 10Hz        |
| 1       | 5GHz 802.11ac VHT20        | 98.90         | -     | -        | 10Hz        |
| 1       | 5GHz 802.11ax HE20 Full RU | 98.58         | -     | -        | 10Hz        |
| 1       | 5GHz 802.11ax HE20 106 RU  | 99.05         | -     | -        | 10Hz        |
| 1       | 5GHz 802.11ax HE40 Full RU | 97.35         | 552   | 1.81     | 3kHz        |
| 1       | 5GHz 802.11ax HE80 Full RU | 94.82         | 292.7 | 3.42     | 3.6kHz      |

<Ant. 1>

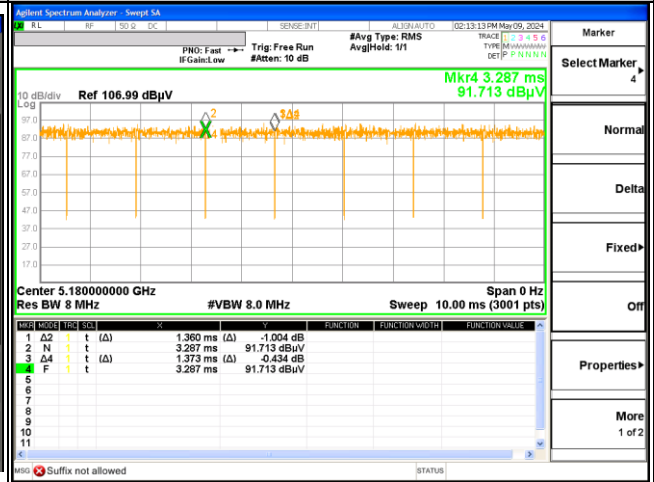




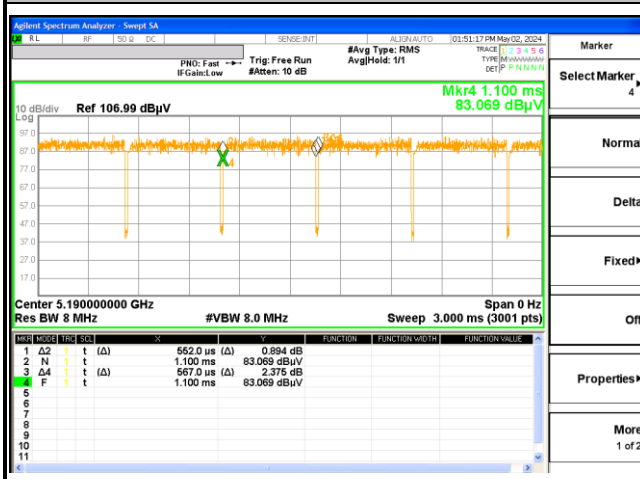
## 5GHz 802.11ax HE20 Full RU



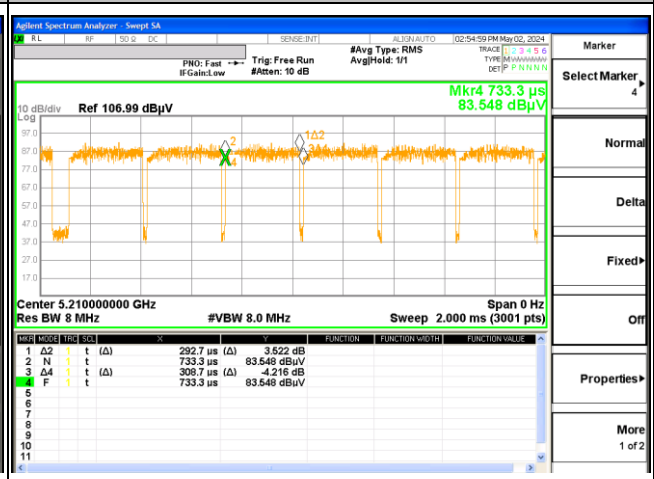
## 5GHz 802.11ax HE20 106 RU



## 5GHz 802.11ax HE40 Full RU



## 5GHz 802.11ax HE80 Full RU



**<For Conducted test>**

| Antenna | Band                       | Duty Cycle(%) | T(us) | Duty Factor(dB) |
|---------|----------------------------|---------------|-------|-----------------|
| 1       | 802.11a                    | 98.96         | -     | 0.05            |
| 1       | 5GHz 802.11ac VHT20        | 98.90         | -     | 0.05            |
| 1       | 5GHz 802.11ax HE20 Full RU | 98.58         | -     | 0.06            |
| 1       | 5GHz 802.11ax HE20 106 RU  | 98.91         | -     | 0.05            |
| 1       | 5GHz 802.11ax HE40 Full RU | 97.17         | 550   | 0.12            |
| 1       | 5GHz 802.11ax HE80 Full RU | 94.84         | 294   | 0.23            |

**<Ant. 1>**