



# FCC RADIO TEST REPORT

FCC ID : A4RGGE4J  
Equipment : Wireless Device  
Model Name : GGE4J  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Feb. 16, 2024 and testing was performed from Feb. 29, 2024 to Mar. 15, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

*Louis Wu*

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

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



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## History of this test report

| Report No. | Version | Description             | Issue Date    |
|------------|---------|-------------------------|---------------|
| FR420107G  | 01      | Initial issue of report | Apr. 23, 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               | 7.22 dB under the limit at 42.78 MHz |
| 3.5           | 15.207          | AC Conducted Emission        | Pass               | 19.68 dB under the limit at 0.15 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: Yun Huang**

**Report Producer: Clio Lo**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

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

| EUT Information List |                            |
|----------------------|----------------------------|
| S/N                  | Performed Test Item        |
| 41301JEAYW004K       | RF Conducted Measurement   |
| 41291JEAYW00UC       | Radiated Spurious Emission |
| 41291JEAYW00T3       | Conducted Emission         |

| Antenna information |                 |      |
|---------------------|-----------------|------|
| 5850 MHz ~ 5895 MHz | Peak Gain (dBi) | -4.3 |

**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. 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><br>TH05-HY, CO07-HY, 03CH15-HY                                                                                           |

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

FCC designation No.: 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(Draft)
- ♦ ANSI C63.10-2013

**Remark:**

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



## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

| Frequency Band             | 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 |

**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 partial RU modes in HE40/HE80 are covered by modes in HE20 because the power setting is identical

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

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

### Single Mode

| Modulation                      | 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 + USB Cable (Charging from AC Adapter) |

| Ch. # |        | RF test channel of UNII-4 and UNII-3 &-4 span channels |              |
|-------|--------|--------------------------------------------------------|--------------|
|       |        | 802.11a                                                | 802.11n HT20 |
| L     | Low    | 169                                                    | 169          |
| M     | Middle | 173                                                    | 173          |
| H     | High   | 177                                                    | 177          |

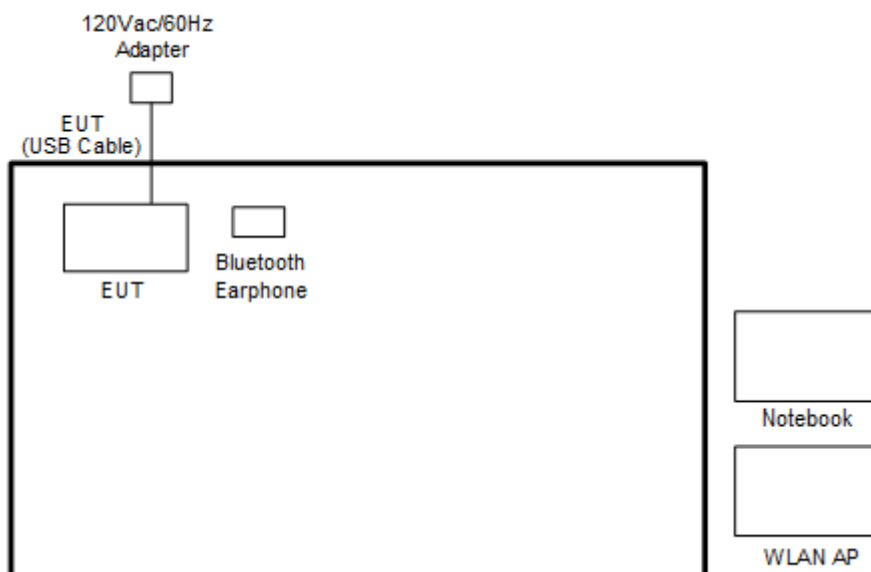
| Ch. # |        | RF test channel of UNII-4 and UNII-3 &-4 span channels |                |                |
|-------|--------|--------------------------------------------------------|----------------|----------------|
|       |        | 802.11ac VHT20                                         | 802.11ac VHT40 | 802.11ac VHT80 |
| L     | Low    | 169                                                    | 167            | -              |
| M     | Middle | 173                                                    | -              | 171            |
| H     | High   | 177                                                    | 175            | -              |

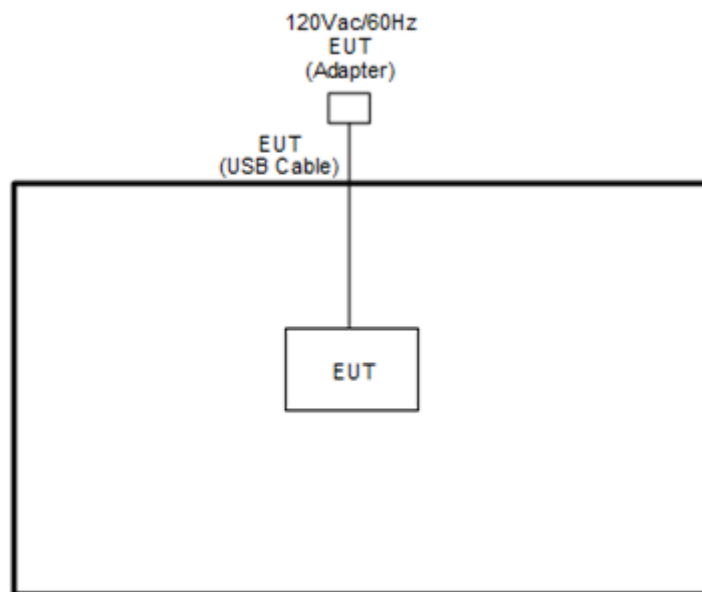
| Ch. # |        | RF test channel of UNII-4 and UNII-3 &-4 span channels |               |               |
|-------|--------|--------------------------------------------------------|---------------|---------------|
|       |        | 802.11ax HE20                                          | 802.11ax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

### <AC Conducted Emission Mode>



**<WLAN Tx Mode>**

**2.4 Support Unit used in test configuration and system**

| Item | Equipment          | Brand Name | Model Name    | FCC ID       | Data Cable | Power Cord                                           |
|------|--------------------|------------|---------------|--------------|------------|------------------------------------------------------|
| 1.   | Bluetooth Earphone | Sony       | SBH20         | PY7-RD0010   | N/A        | N/A                                                  |
| 2.   | WLAN AP            | ASUS       | RT-AC52       | MSQ-RTAC4A00 | N/A        | Unshielded, 1.8 m                                    |
| 3.   | Notebook           | DELL       | Latitude 3400 | FCC DoC      | N/A        | AC I/P: Unshielded, 1.2 m<br>DC O/P: Shielded, 1.8 m |
| 4.   | AC Adapter         | Chicony    | G9BR1         | N/A          | N/A        | N/A                                                  |
| 5.   | AC Adapter         | Aohai      | G9BR1         | N/A          | N/A        | N/A                                                  |

**2.5 EUT Operation Test Setup**

The RF test items, utility “adb command 1.0.36” 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

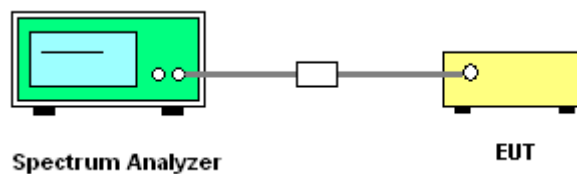
See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

The testing follows FCC KDB 291074 D02 EMC Measurement v01 (Draft) 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.

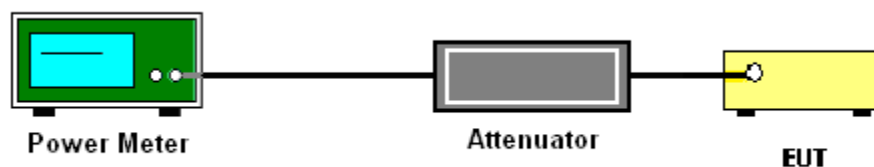
### 3.2.3 Test Procedures

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. For an indoor access point 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)(ii) 36dBm limit, where the stringent limit 20dBm/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.

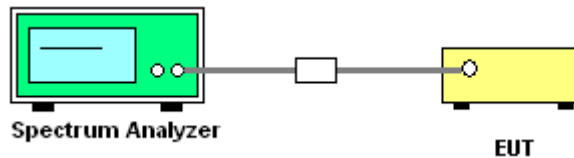
Section F) Maximum power spectral density.

#### # 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.

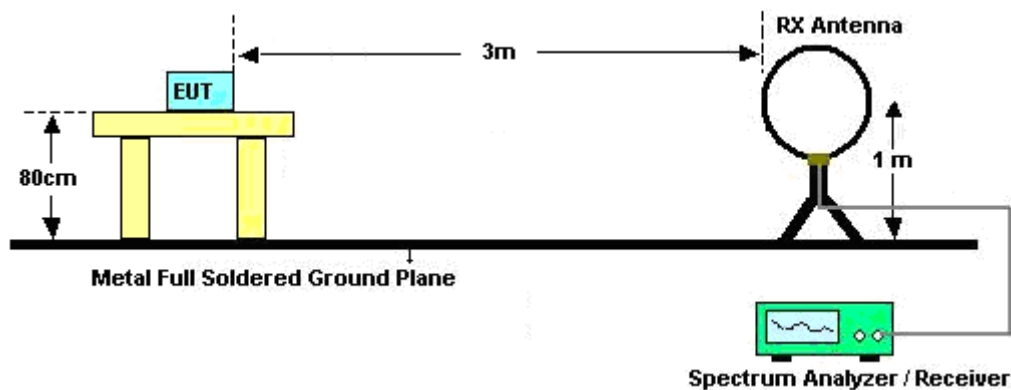
### 3.4.3 Test Procedures

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.

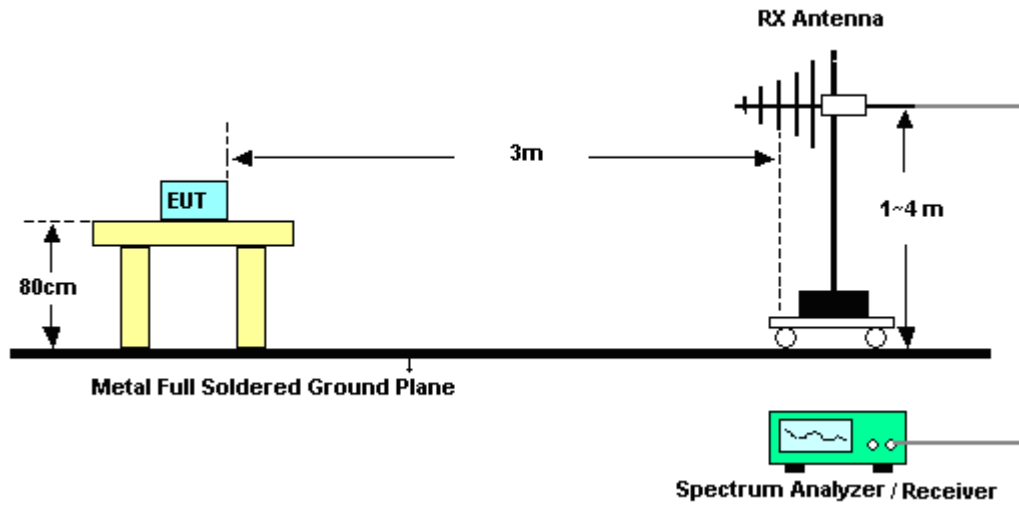
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna 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

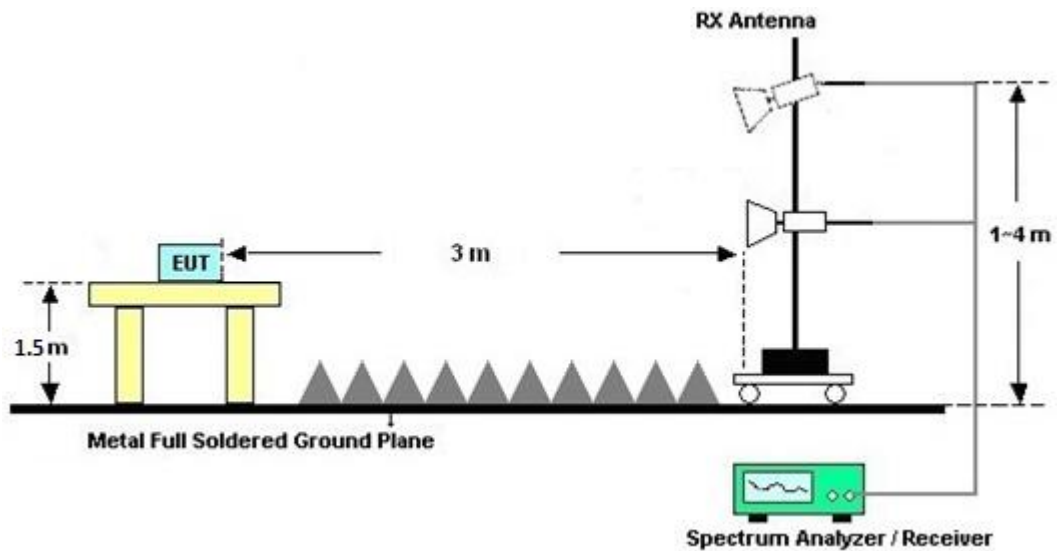
**For radiated emissions below 30MHz**



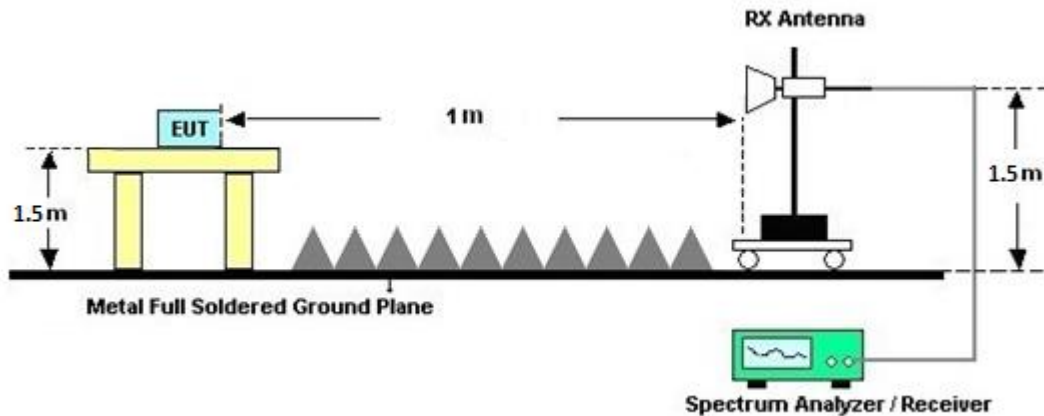
For radiated emissions from 30MHz to 1GHz



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.

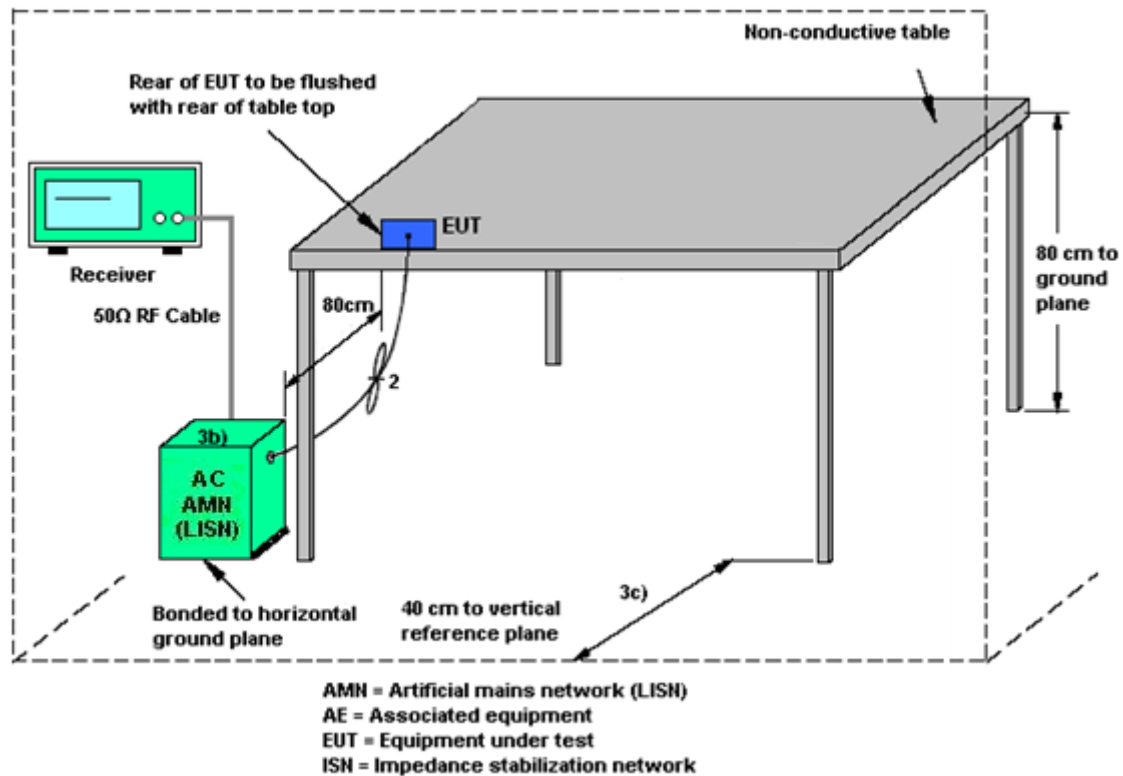
#### 3.5.2 Measuring Instruments

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                   |
|----------------------|-----------------|---------------------------------|--------------------------------------|----------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna         | Rohde & Schwarz | HFH2-Z2                         | 100488                               | 9 kHz~30 MHz               | Sep. 12, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Sep. 11, 2024 | Radiation<br>(03CH15-HY) |
| Bilog Antenna        | TESEQ           | CBL 6111D &<br>00800N1D01N-06   | 41912 & 05                           | 30MHz~1GHz                 | Feb. 04, 2024    | Feb. 29, 2024~<br>Mar. 11, 2024 | Feb. 03, 2025 | Radiation<br>(03CH15-HY) |
| Horn Antenna         | SCHWARZBECK     | BBHA 9120 D                     | 9120D-02294                          | 1GHz~18GHz                 | Jun. 30, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jun. 29, 2024 | Radiation<br>(03CH15-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK     | BBHA 9170                       | 1225                                 | 18GHz~40GHz                | Jul. 10, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jul. 09, 2024 | Radiation<br>(03CH15-HY) |
| Amplifier            | SONOMA          | 310N                            | 363440                               | 9kHz~1GHz                  | Dec. 26, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Dec. 25, 2024 | Radiation<br>(03CH15-HY) |
| Preamplifier         | EMEC            | EM01G18G                        | 060837                               | 1GHz~18GHz                 | Feb. 15, 2024    | Feb. 29, 2024~<br>Mar. 11, 2024 | Feb. 14, 2025 | Radiation<br>(03CH15-HY) |
| Preamplifier         | EM Electronics  | EM01G18G                        | 060802                               | 1GHz~18GHz                 | Feb. 29, 2024    | Feb. 29, 2024~<br>Mar. 11, 2024 | Feb. 28, 2025 | Radiation<br>(03CH15-HY) |
| Preamplifier         | EMEC            | EM18G40G                        | 060801                               | 18GHz~40GHz                | Jun. 27, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jun. 26, 2024 | Radiation<br>(03CH15-HY) |
| EMI Test Receiver    | Keysight        | N9038A(MXE)                     | MY53290045                           | 20MHz~8.4GHz               | Oct. 06, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Oct. 05, 2024 | Radiation<br>(03CH15-HY) |
| Spectrum Analyzer    | Keysight        | N9010B                          | MY60241058                           | 10Hz~44GHz                 | Jul. 06, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jul. 05, 2024 | Radiation<br>(03CH15-HY) |
| Antenna Mast         | ChainTek        | MBS-520-1                       | N/A                                  | 1m~4m                      | N/A              | Feb. 29, 2024~<br>Mar. 11, 2024 | N/A           | Radiation<br>(03CH15-HY) |
| Turn Table           | ChainTek        | T-200-S-1                       | N/A                                  | 0~360 Degree               | N/A              | Feb. 29, 2024~<br>Mar. 11, 2024 | N/A           | Radiation<br>(03CH15-HY) |
| Software             | Audix           | E3<br>6.2009-8-24(k5)           | RK-000451                            | N/A                        | N/A              | Feb. 29, 2024~<br>Mar. 11, 2024 | N/A           | Radiation<br>(03CH15-HY) |
| RF Cable             | HUBER + SUHNER  | SUCOFLEX 104,<br>102E           | MY582185/4,5<br>19228/2,8039<br>50/2 | N/A                        | Jun. 13, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jun. 12, 2024 | Radiation<br>(03CH15-HY) |
| RF Cable             | HUBER + SUHNER  | SUCOFLEX 102                    | 804011/2,8040<br>12/2                | 18-40G                     | Jan. 02, 2024    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jan. 01, 2025 | Radiation<br>(03CH15-HY) |
| Filter               | Wainwright      | WLJ4-1000-1530-<br>6000-40ST    | SN4                                  | 1.53GHz Low<br>Pass Filter | Jun. 14, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jun. 13, 2024 | Radiation<br>(03CH15-HY) |
| Filter               | Wainwright      | WHKX12-2700-30<br>00-18000-60ST | SN4                                  | 3GHz High Pass<br>Filter   | Jun. 14, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jun. 13, 2024 | Radiation<br>(03CH15-HY) |
| Hygrometer           | TECPEL          | DTM-302                         | SN4                                  | N/A                        | Jul. 26, 2023    | Feb. 29, 2024~<br>Mar. 11, 2024 | Jul. 25, 2024 | Radiation<br>(03CH15-HY) |
| Hygrometer           | TECPEL          | DTM-303A                        | TP201996                             | N/A                        | Nov. 07, 2023    | Mar. 05, 2024~<br>Mar. 12, 2024 | Nov. 06, 2024 | Conducted<br>(TH05-HY)   |
| Power Sensor         | DARE            | RPR3006W                        | 17100015SNO<br>36<br>(NO:35_144)     | 10MHz~6GHz                 | Aug. 23, 2023    | Mar. 05, 2024~<br>Mar. 12, 2024 | Aug. 22, 2024 | Conducted<br>(TH05-HY)   |
| Signal Analyzer      | Rohde & Schwarz | FSV40                           | 101564                               | 10Hz ~ 40GHz               | Sep. 12, 2023    | Mar. 05, 2024~<br>Mar. 12, 2024 | Sep. 11, 2024 | Conducted<br>(TH05-HY)   |



| Instrument          | Brand Name      | Model No.     | Serial No.    | Characteristics | Calibration Date | Test Date     | Due Date      | Remark               |
|---------------------|-----------------|---------------|---------------|-----------------|------------------|---------------|---------------|----------------------|
| AC Power Source     | ACPOWER         | AFC-11003G    | F317040033    | N/A             | N/A              | Mar. 15, 2024 | N/A           | Conduction (CO07-HY) |
| Software            | Rohde & Schwarz | EMC32 V10.30  | N/A           | N/A             | N/A              | Mar. 15, 2024 | N/A           | Conduction (CO07-HY) |
| Pulse Limiter       | SCHWARZBECK     | VTSD 9561-F N | 9561-F N00373 | 9kHz-200MHz     | Oct. 20, 2023    | Mar. 15, 2024 | Oct. 19, 2024 | Conduction (CO07-HY) |
| Two-Line V-Network  | TESEQ           | NNB 51        | 45051         | N/A             | Mar. 10, 2024    | Mar. 15, 2024 | Mar. 09, 2025 | Conduction (CO07-HY) |
| Four-Line V-Network | TESEQ           | NNB 52        | 36122         | N/A             | Mar. 07, 2024    | Mar. 15, 2024 | Mar. 06, 2025 | Conduction (CO07-HY) |
| EMI Test Receiver   | Rohde & Schwarz | ESR3          | 102317        | 9kHz~3.6GHz     | Sep. 20, 2023    | Mar. 15, 2024 | Sep. 19, 2024 | Conduction (CO07-HY) |



## 5 Measurement Uncertainty

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

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

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

|                                                                            |         |
|----------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 6.30 dB |
|----------------------------------------------------------------------------|---------|

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

|                                                                            |         |
|----------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 4.50 dB |
|----------------------------------------------------------------------------|---------|

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

|                                                                            |         |
|----------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 5.50 dB |
|----------------------------------------------------------------------------|---------|

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

|                                                                            |         |
|----------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 5.40 dB |
|----------------------------------------------------------------------------|---------|

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

|                |                       |                    |       |    |
|----------------|-----------------------|--------------------|-------|----|
| Test Engineer: | Eason Huang           | Temperature:       | 21~25 | °C |
| Test Date:     | 2024/03/05~2024/03/12 | 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 1                | Ant 1                |                                 |           |
| 11a                   | 6Mbps     | 1   | 169 | 5845        | 17.43               | 24.51                | 16.34                | 0.5                             | Pass      |
| 11a                   | 6Mbps     | 1   | 173 | 5865        | 17.48               | 24.03                | 16.35                | 0.5                             | Pass      |
| 11a                   | 6Mbps     | 1   | 177 | 5885        | 17.53               | 24.32                | 16.35                | 0.5                             | Pass      |
| VHT20                 | MCS0      | 1   | 169 | 5845        | 18.38               | 31.08                | 17.58                | 0.5                             | Pass      |
| VHT20                 | MCS0      | 1   | 173 | 5865        | 18.53               | 30.85                | 17.60                | 0.5                             | Pass      |
| VHT20                 | MCS0      | 1   | 177 | 5885        | 18.68               | 34.33                | 17.59                | 0.5                             | Pass      |
| VHT40                 | MCS0      | 1   | 167 | 5835        | 37.06               | 58.92                | 36.35                | 0.5                             | Pass      |
| VHT40                 | MCS0      | 1   | 175 | 5875        | 36.96               | 61.12                | 36.36                | 0.5                             | Pass      |
| VHT80                 | MCS0      | 1   | 171 | 5855        | 75.88               | 82.94                | 76.06                | 0.5                             | Pass      |

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

| UNII-4 single antenna |           |     |     |             |                               |     |          |                     |                     |       |
|-----------------------|-----------|-----|-----|-------------|-------------------------------|-----|----------|---------------------|---------------------|-------|
| Mod.                  | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |     | DG (dBi) | E.I.R.P Power (dBm) | E.I.R.P Limit (dBm) |       |
|                       |           |     |     |             | Ant 1                         | SUM |          |                     | Ant 1               | Ant 2 |
| 11a                   | 6Mbps     | 1   | 169 | 5845        | 17.40                         | -   | -4.30    | 13.10               | 30                  | 30    |
| 11a                   | 6Mbps     | 1   | 173 | 5865        | 17.30                         |     | -4.30    | 13.00               | 30                  | 30    |
| 11a                   | 6Mbps     | 1   | 177 | 5885        | 17.20                         |     | -4.30    | 12.90               | 30                  | 30    |
| HT20                  | MCS0      | 1   | 169 | 5845        | 17.30                         |     | -4.30    | 13.00               | 30                  | 30    |
| HT20                  | MCS0      | 1   | 173 | 5865        | 17.40                         |     | -4.30    | 13.10               | 30                  | 30    |
| HT20                  | MCS0      | 1   | 177 | 5885        | 17.40                         |     | -4.30    | 13.10               | 30                  | 30    |
| HT40                  | MCS0      | 1   | 167 | 5835        | 16.30                         |     | -4.30    | 12.00               | 30                  | 30    |
| HT40                  | MCS0      | 1   | 175 | 5875        | 16.20                         |     | -4.30    | 11.90               | 30                  | 30    |
| VHT20                 | MCS0      | 1   | 169 | 5845        | 17.40                         |     | -4.30    | 13.10               | 30                  | 30    |
| VHT20                 | MCS0      | 1   | 173 | 5865        | 17.30                         |     | -4.30    | 13.00               | 30                  | 30    |
| VHT20                 | MCS0      | 1   | 177 | 5885        | 17.40                         |     | -4.30    | 13.10               | 30                  | 30    |
| VHT40                 | MCS0      | 1   | 167 | 5835        | 16.40                         |     | -4.30    | 12.10               | 30                  | 30    |
| VHT40                 | MCS0      | 1   | 175 | 5875        | 16.30                         |     | -4.30    | 12.00               | 30                  | 30    |
| VHT80                 | MCS0      | 1   | 171 | 5855        | 15.30                         |     | -4.30    | 11.00               | 30                  | 30    |

**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/M Hz) | EIRP PSD Limit (dBm/MHz) |       | Pass /Fail |
|                       |           |     |     |             | Ant 1            | Ant 1                                            | SUM |          |                     | Ant 1                    | Ant 1 |            |
| 11a                   | 6Mbps     | 1   | 169 | 5845        | 0.44             | 5.20                                             | -   | -4.30    | 0.90                | 14.00                    | 14.00 | Pass       |
| 11a                   | 6Mbps     | 1   | 173 | 5865        | 0.44             | 5.08                                             |     | -4.30    | 0.78                | 14.00                    | 14.00 | Pass       |
| 11a                   | 6Mbps     | 1   | 177 | 5885        | 0.44             | 4.94                                             |     | -4.30    | 0.64                | 14.00                    | 14.00 | Pass       |
| VHT20                 | MCS0      | 1   | 169 | 5845        | 0.44             | 4.79                                             |     | -4.30    | 0.49                | 14.00                    | 14.00 | Pass       |
| VHT20                 | MCS0      | 1   | 173 | 5865        | 0.44             | 4.51                                             |     | -4.30    | 0.21                | 14.00                    | 14.00 | Pass       |
| VHT20                 | MCS0      | 1   | 177 | 5885        | 0.44             | 4.74                                             |     | -4.30    | 0.44                | 14.00                    | 14.00 | Pass       |
| VHT40                 | MCS0      | 1   | 167 | 5835        | 0.46             | 0.35                                             |     | -4.30    | -3.95               | 14.00                    | 14.00 | Pass       |
| VHT40                 | MCS0      | 1   | 175 | 5875        | 0.46             | 0.22                                             |     | -4.30    | -4.08               | 14.00                    | 14.00 | Pass       |
| VHT80                 | MCS0      | 1   | 171 | 5855        | 0.44             | -3.23                                            |     | -4.30    | -7.53               | 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 1                | Ant 1                |                                 |           |
| HE20                  | MCS0      | 1   | 169 | 5845        | Full       | 19.33               | 28.19                | 19.00                | 0.5                             | Pass      |
| HE20                  | MCS0      | 1   | 173 | 5865        | Full       | 19.28               | 26.29                | 19.02                | 0.5                             | Pass      |
| HE20                  | MCS0      | 1   | 177 | 5885        | Full       | 19.28               | 28.12                | 18.96                | 0.5                             | Pass      |
| HE40                  | MCS0      | 1   | 167 | 5835        | Full       | 37.96               | 54.64                | 37.82                | 0.5                             | Pass      |
| HE40                  | MCS0      | 1   | 175 | 5875        | Full       | 37.96               | 44.54                | 37.81                | 0.5                             | Pass      |
| HE80                  | MCS0      | 1   | 171 | 5855        | Full       | 77.20               | 81.44                | 77.24                | 0.5                             | Pass      |

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

| UNII-4 single antenna |           |     |     |             |            |                               |     |          |                     |                     |
|-----------------------|-----------|-----|-----|-------------|------------|-------------------------------|-----|----------|---------------------|---------------------|
| Mod.                  | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Average Conducted Power (dBm) |     | DG (dBi) | E.I.R.P Power (dBm) | E.I.R.P Limit (dBm) |
|                       |           |     |     |             |            | Ant 1                         | SUM |          |                     |                     |
| HE20                  | MCS0      | 1   | 169 | 5845        | Full       | 17.30                         | -   | -4.30    | 13.00               | 30                  |
| HE20                  | MCS0      | 1   | 169 | 5845        | 26/0       | 7.50                          |     | -4.30    | 3.20                | 30                  |
| HE20                  | MCS0      | 1   | 169 | 5845        | 52/37      | 10.40                         |     | -4.30    | 6.10                | 30                  |
| HE20                  | MCS0      | 1   | 169 | 5845        | 106/53     | 13.80                         |     | -4.30    | 9.50                | 30                  |
| HE20                  | MCS0      | 1   | 173 | 5865        | Full       | 17.30                         |     | -4.30    | 13.00               | 30                  |
| HE20                  | MCS0      | 1   | 173 | 5865        | 26/4       | 8.60                          |     | -4.30    | 4.30                | 30                  |
| HE20                  | MCS0      | 1   | 173 | 5865        | 52/38      | 10.50                         |     | -4.30    | 6.20                | 30                  |
| HE20                  | MCS0      | 1   | 173 | 5865        | 106/53     | 13.90                         |     | -4.30    | 9.60                | 30                  |
| HE20                  | MCS0      | 1   | 177 | 5885        | Full       | 17.40                         |     | -4.30    | 13.10               | 30                  |
| HE20                  | MCS0      | 1   | 177 | 5885        | 26/8       | 7.70                          |     | -4.30    | 3.40                | 30                  |
| HE20                  | MCS0      | 1   | 177 | 5885        | 52/40      | 10.30                         |     | -4.30    | 6.00                | 30                  |
| HE20                  | MCS0      | 1   | 177 | 5885        | 106/54     | 13.60                         |     | -4.30    | 9.30                | 30                  |
| HE40                  | MCS0      | 1   | 167 | 5835        | Full       | 16.30                         |     | -4.30    | 12.00               | 30                  |
| HE40                  | MCS0      | 1   | 175 | 5875        | Full       | 16.30                         |     | -4.30    | 12.00               | 30                  |
| HE80                  | MCS0      | 1   | 171 | 5855        | Full       | 15.30                         |     | -4.30    | 11.00               | 30                  |

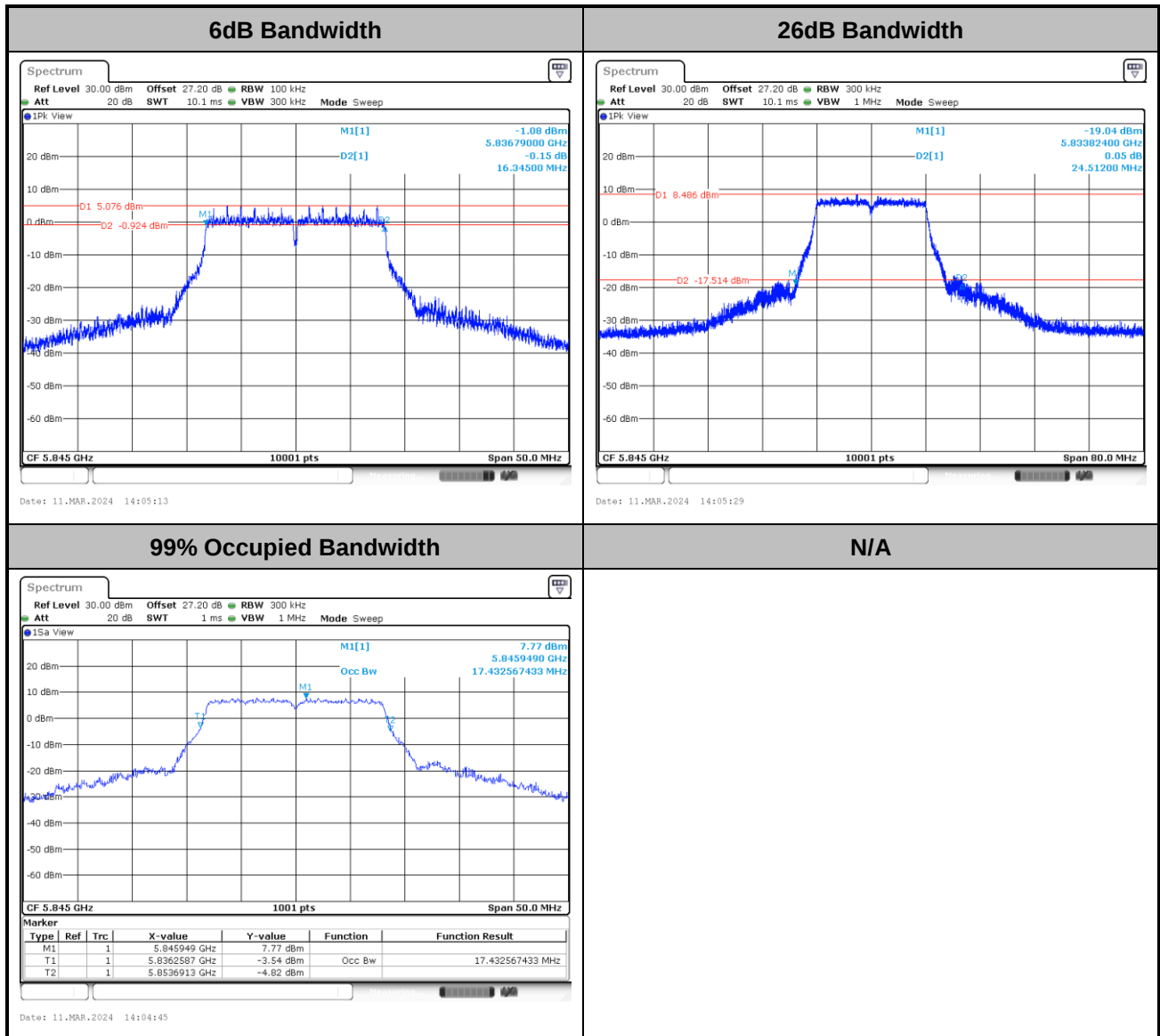
**TEST RESULTS DATA**  
**Power Spectral Density**

| UNII-4 single antenna |           |     |     |             |            |                  |                                                  |     |          |                    |       |            |
|-----------------------|-----------|-----|-----|-------------|------------|------------------|--------------------------------------------------|-----|----------|--------------------|-------|------------|
| Mod.                  | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Duty Factor (dB) | Average Power Density with Duty Factor (dBm/MHz) |     | DG (dBi) | EIRP PSD (dBm/MHz) |       | Pass /Fail |
|                       |           |     |     |             |            |                  | Ant 1                                            | SUM |          | Ant 1              | Ant 1 |            |
| HE20                  | MCS0      | 1   | 169 | 5845        | Full       | 0.15             | 4.36                                             | -   | -4.30    | 0.06               | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 169 | 5845        | 26/0       | 0.25             | 4.25                                             |     | -4.30    | -0.05              | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 169 | 5845        | 52/37      | 0.30             | 4.26                                             |     | -4.30    | -0.04              | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 169 | 5845        | 106/53     | 0.32             | 4.32                                             |     | -4.30    | 0.02               | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 173 | 5865        | Full       | 0.15             | 4.33                                             |     | -4.30    | 0.03               | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 173 | 5865        | 26/4       | 0.25             | 4.18                                             |     | -4.30    | -0.12              | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 173 | 5865        | 52/38      | 0.30             | 4.25                                             |     | -4.30    | -0.05              | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 173 | 5865        | 106/53     | 0.32             | 4.31                                             |     | -4.30    | 0.01               | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 177 | 5885        | Full       | 0.15             | 4.55                                             |     | -4.30    | 0.25               | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 177 | 5885        | 26/8       | 0.25             | 4.28                                             |     | -4.30    | -0.02              | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 177 | 5885        | 52/40      | 0.30             | 4.13                                             |     | -4.30    | -0.17              | 14.00 | Pass       |
| HE20                  | MCS0      | 1   | 177 | 5885        | 106/54     | 0.32             | 4.26                                             |     | -4.30    | -0.04              | 14.00 | Pass       |
| HE40                  | MCS0      | 1   | 167 | 5835        | Full       | 0.59             | 0.30                                             |     | -4.30    | -4.00              | 14.00 | Pass       |
| HE40                  | MCS0      | 1   | 175 | 5875        | Full       | 0.59             | 0.33                                             |     | -4.30    | -3.97              | 14.00 | Pass       |
| HE80                  | MCS0      | 1   | 171 | 5855        | Full       | 0.53             | -3.14                                            |     | -4.30    | -7.44              | 14.00 | Pass       |



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

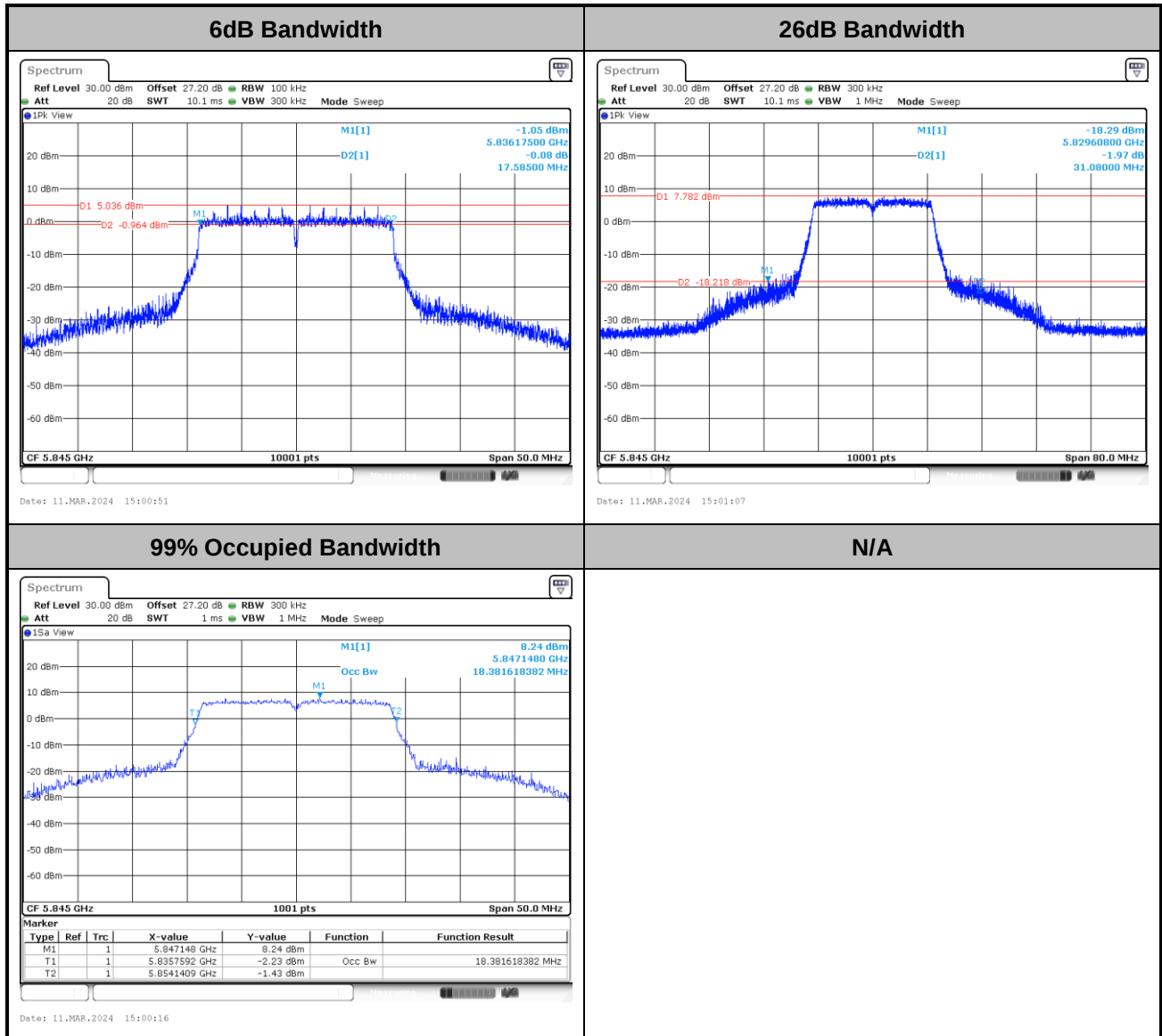
&lt;802.11a&gt;



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



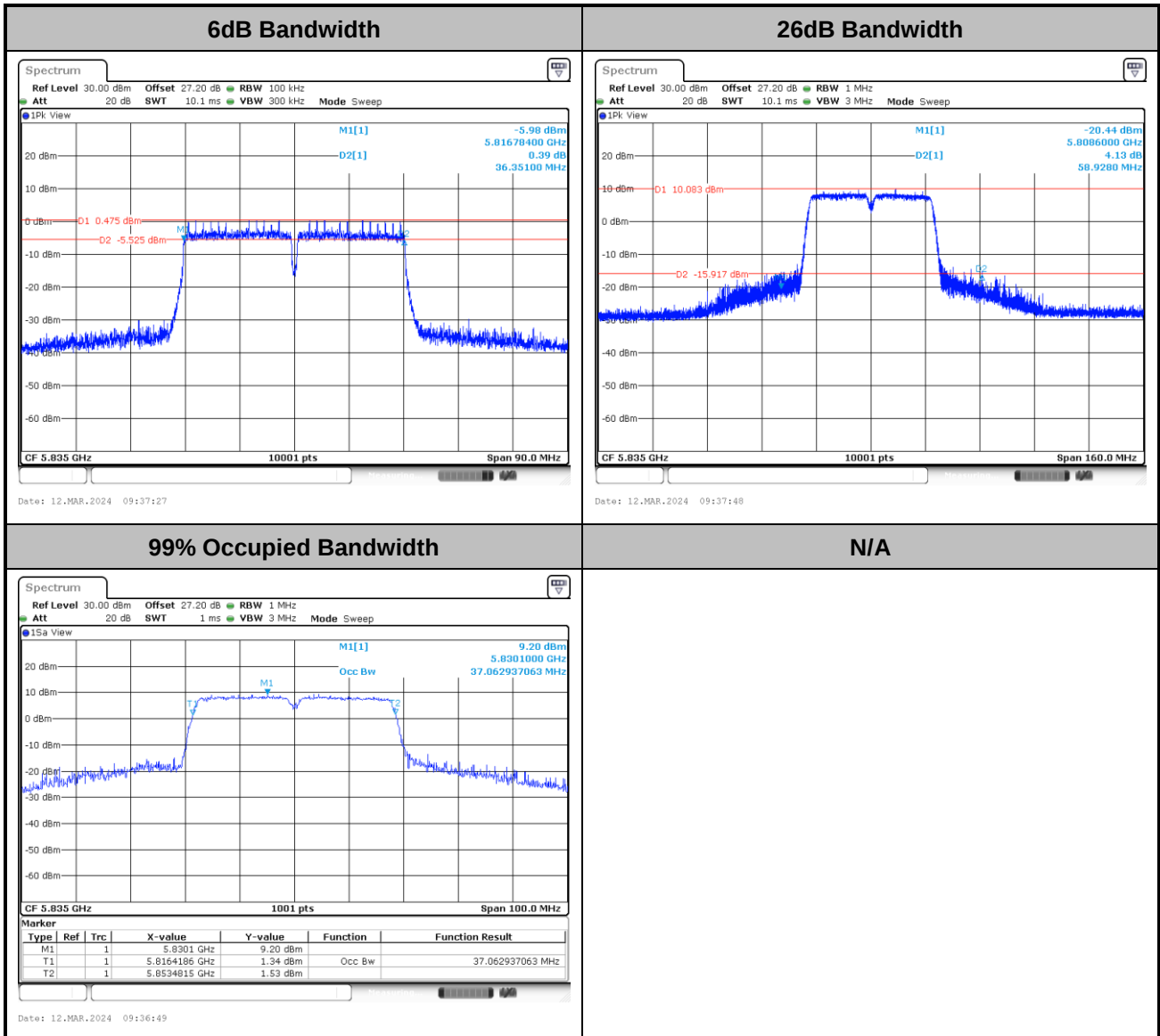
## &lt;802.11ac VHT20&gt;



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



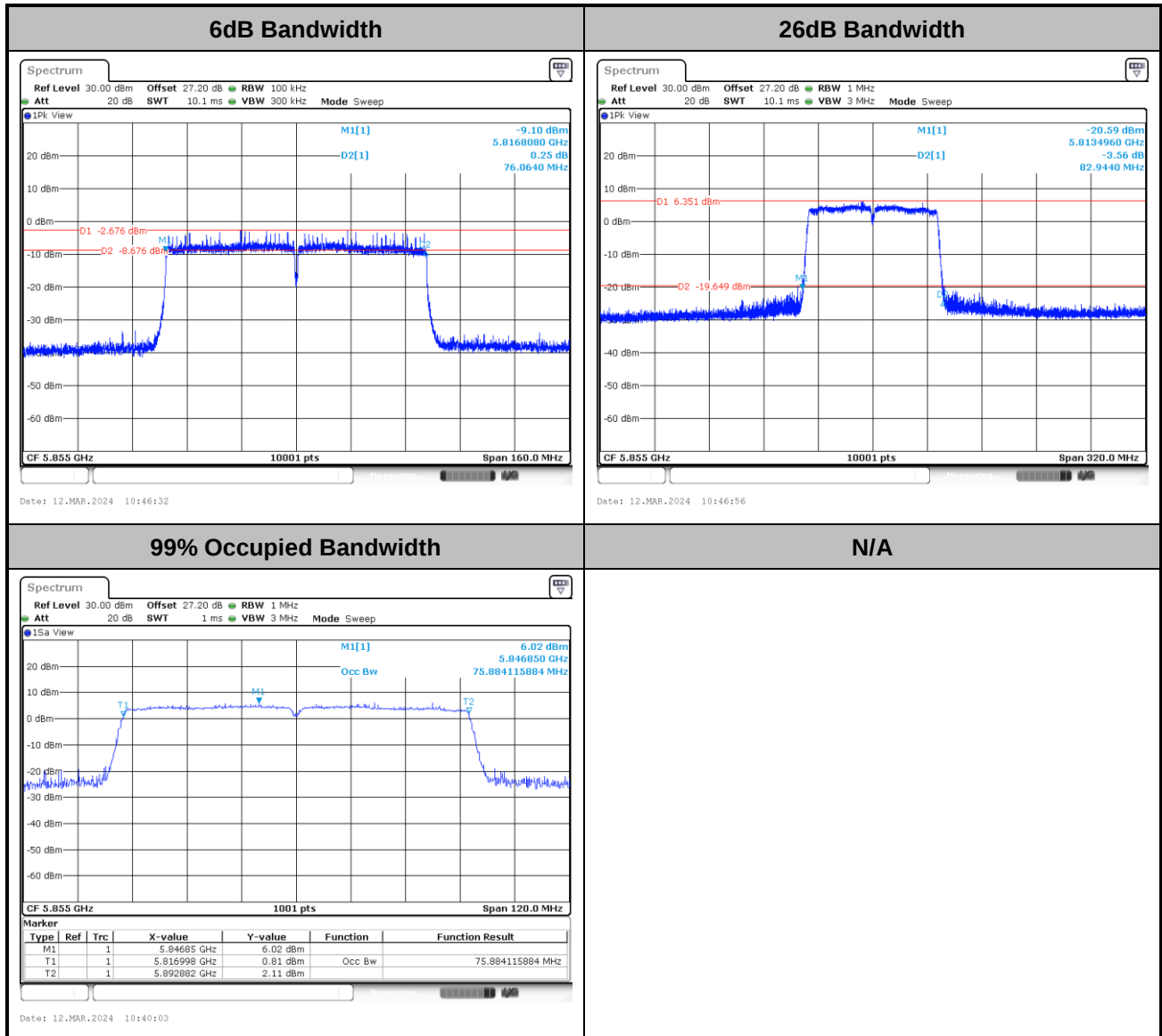
<802.11ac VHT40>



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



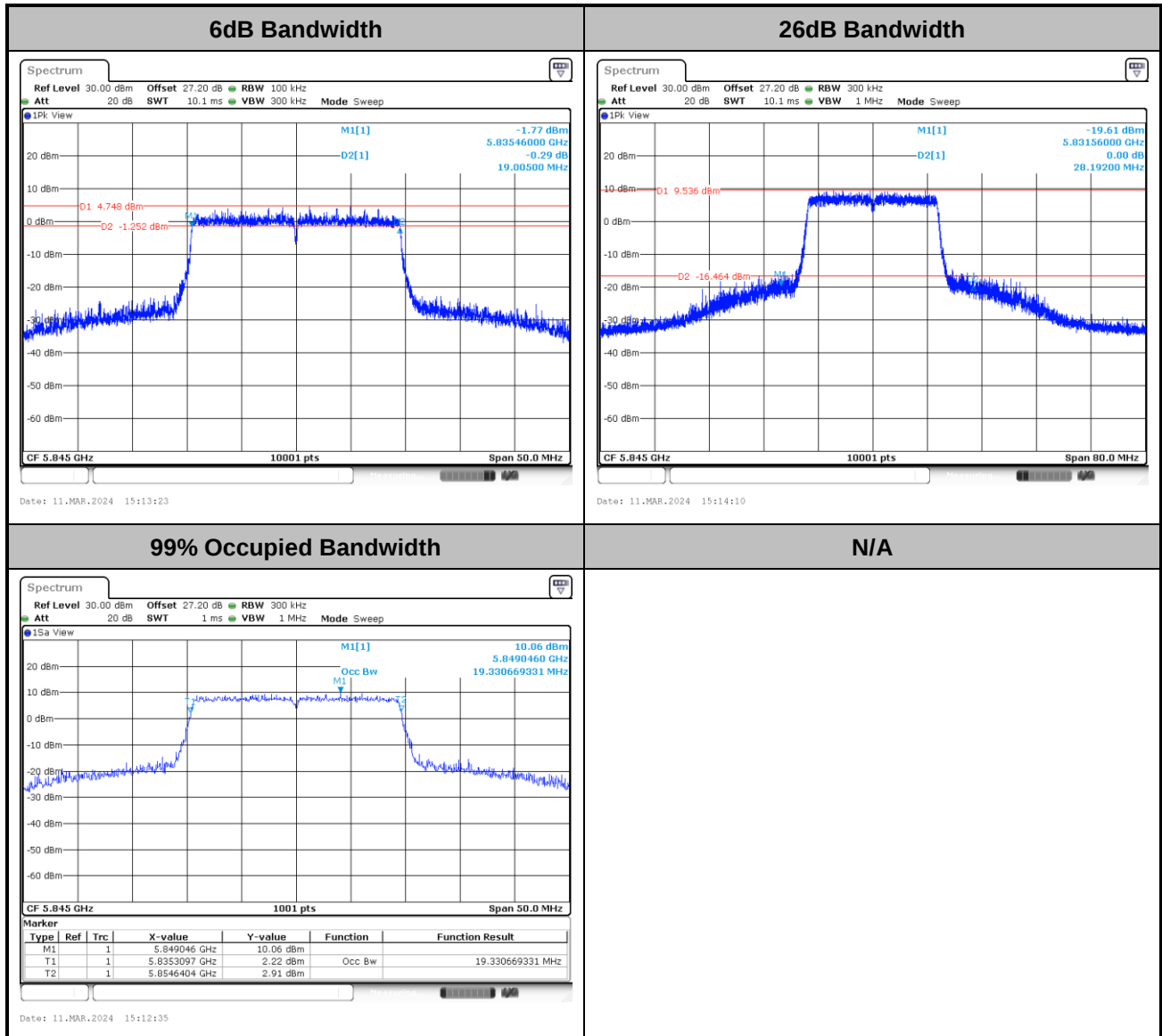
## &lt;802.11ac VHT80&gt;



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



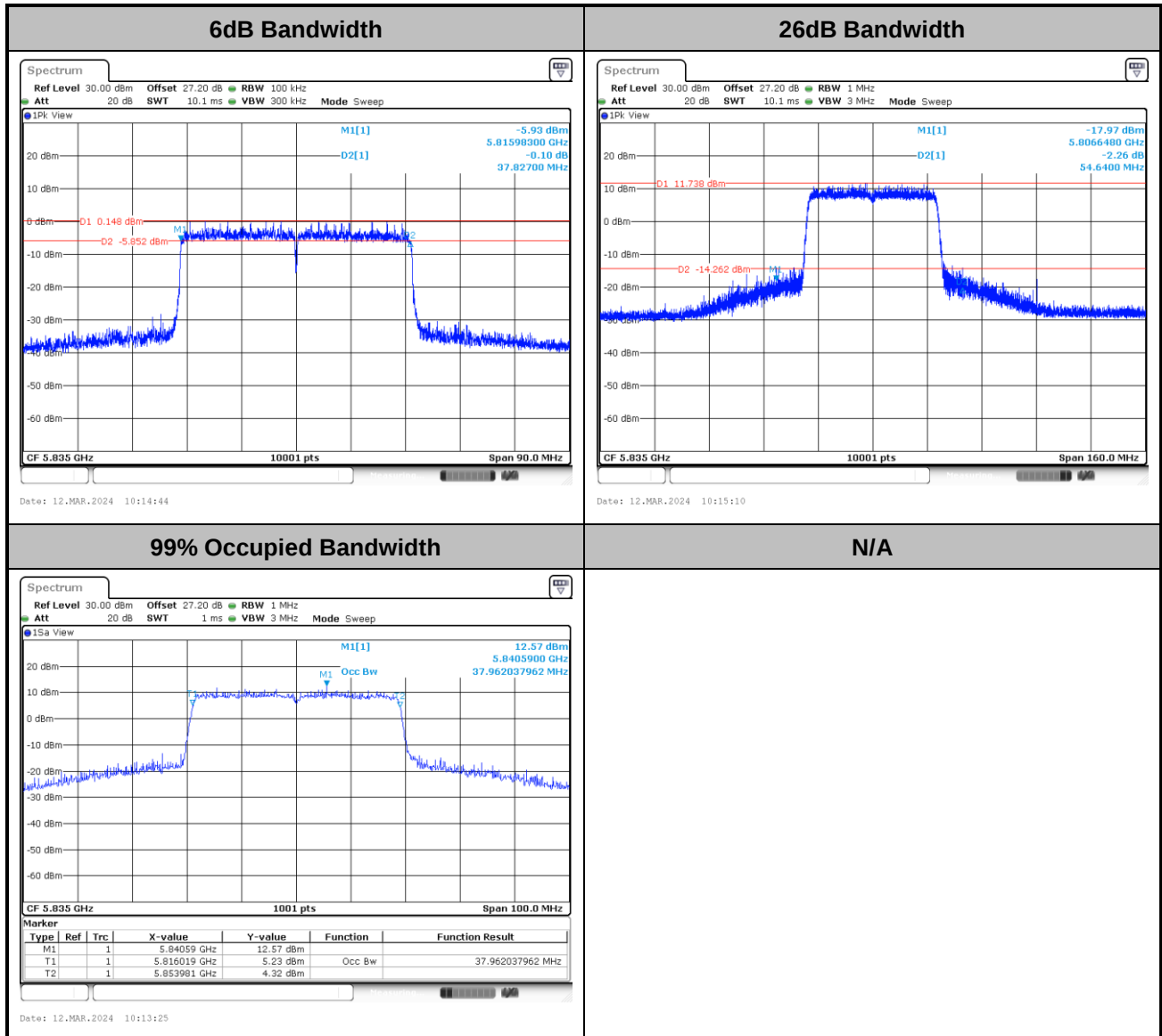
&lt;802.11ax HE20&gt;



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



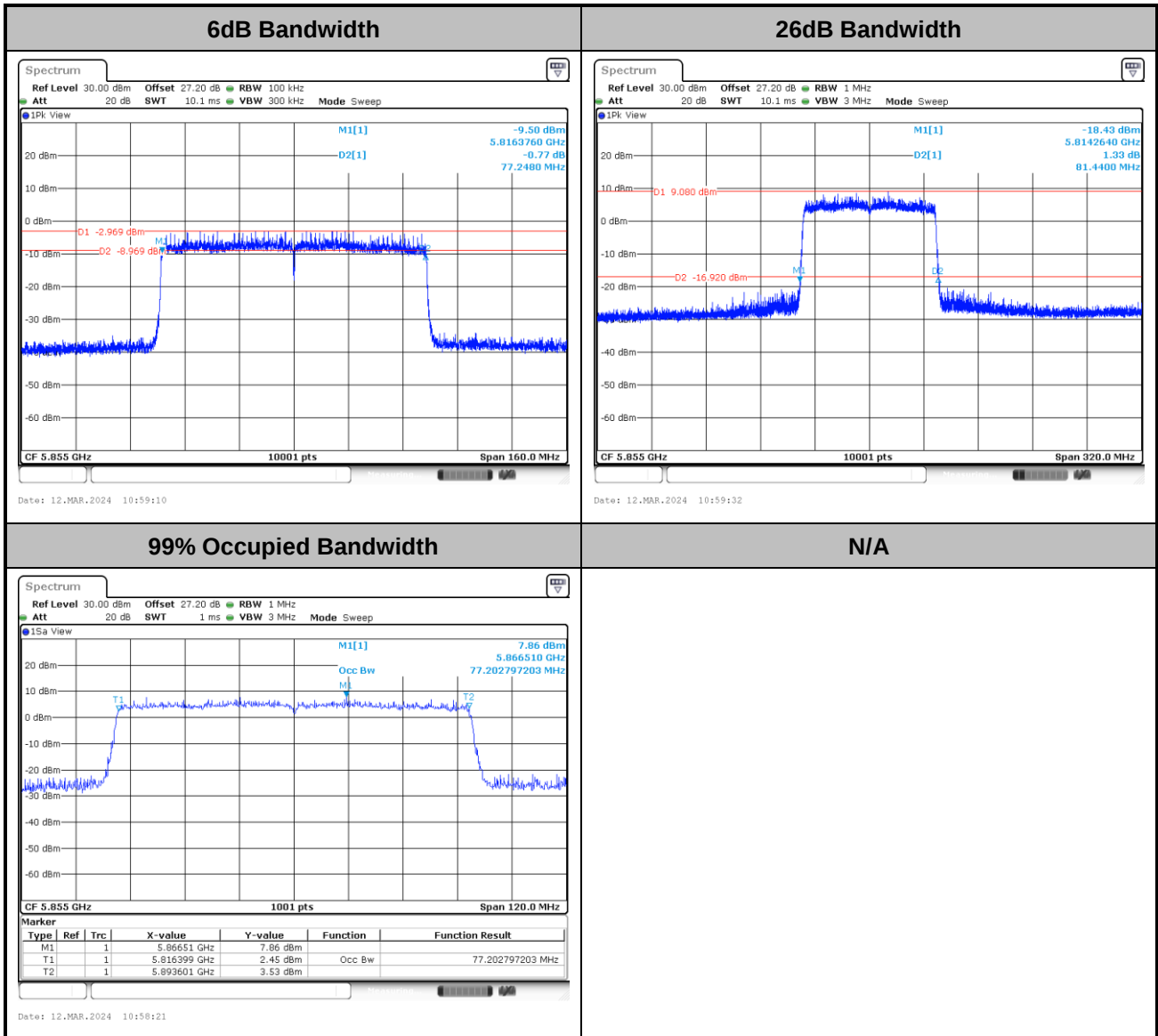
&lt;802.11ax HE40&gt;



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



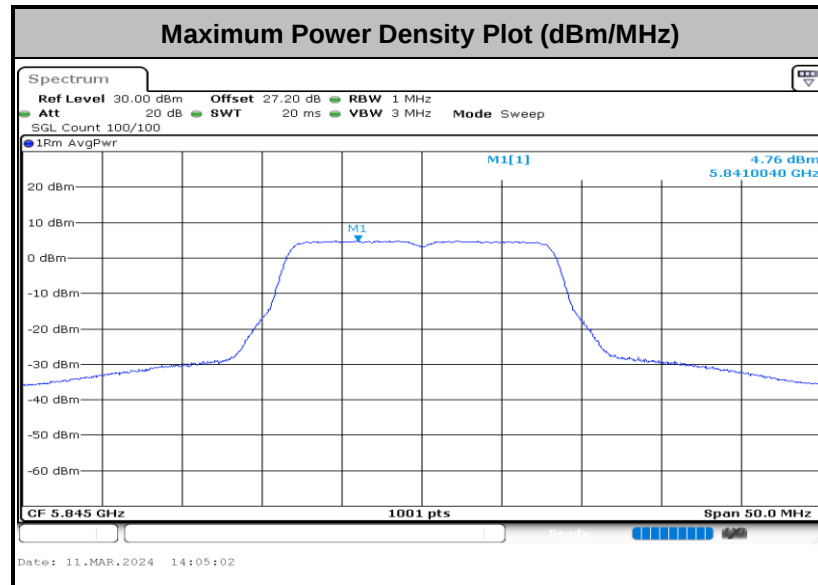
<802.11ax HE80>



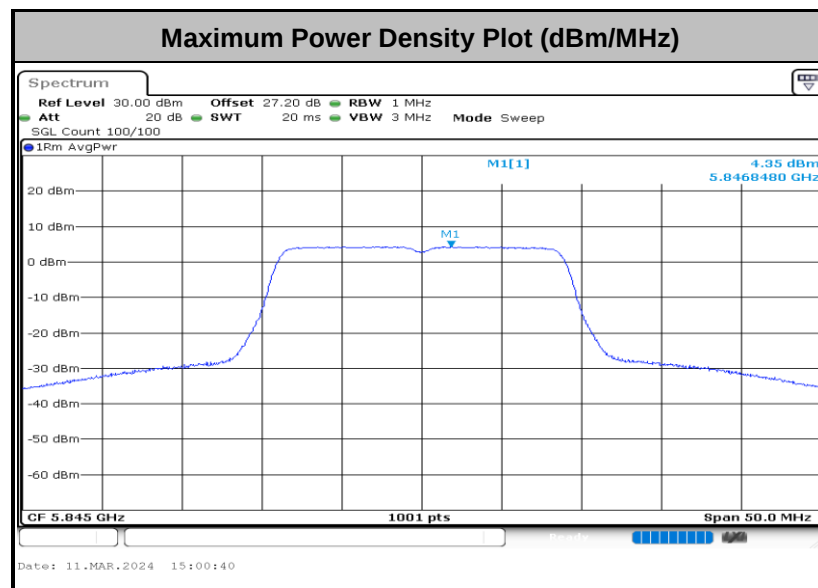
Note: The occupied channel bandwidth is maintained within the band of operation.

**Test Result of Power Spectral Density**

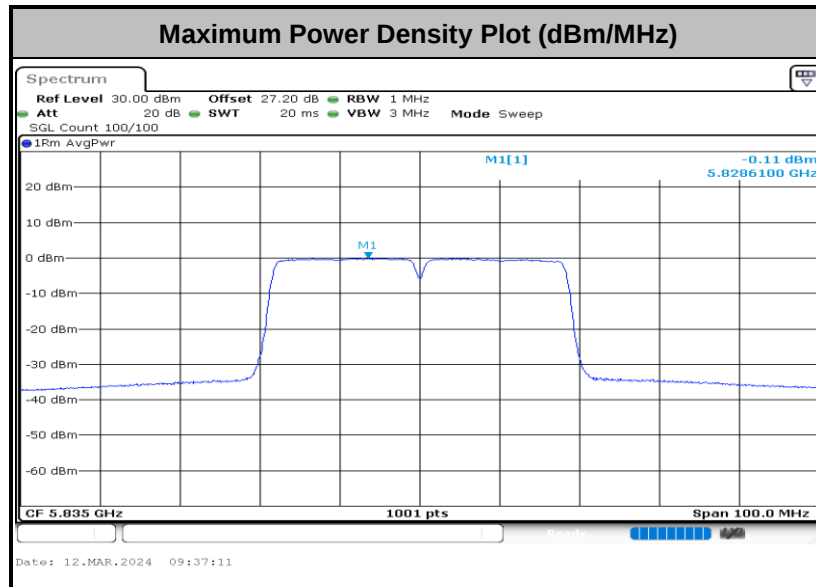
&lt;802.11a&gt;



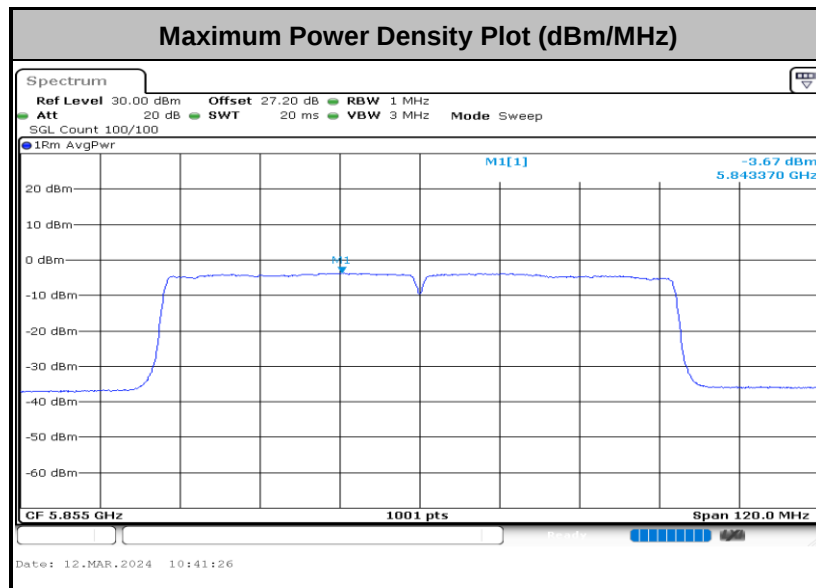
&lt;802.11ac VHT20&gt;

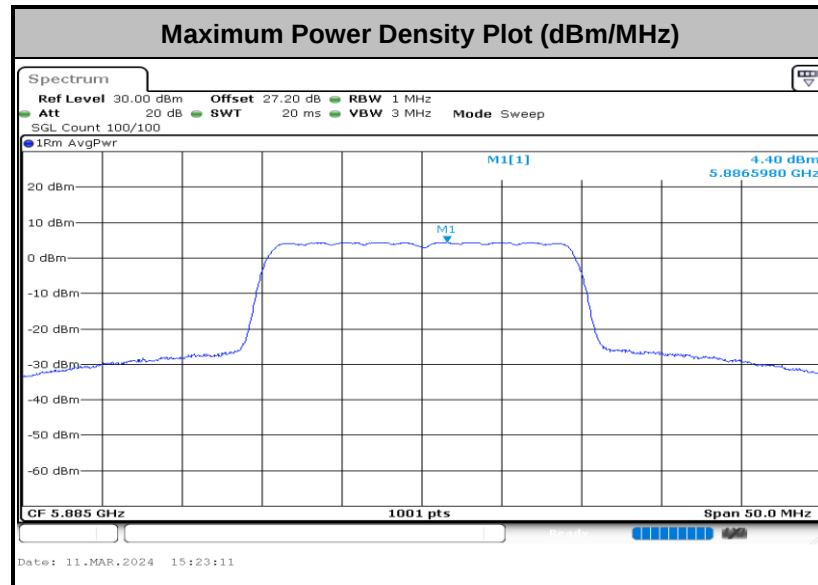
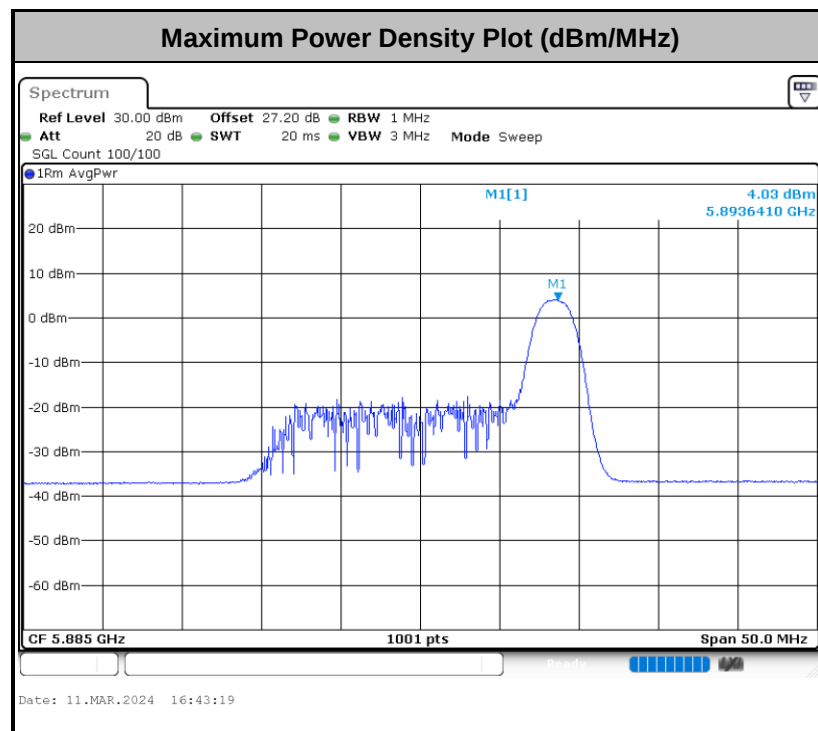


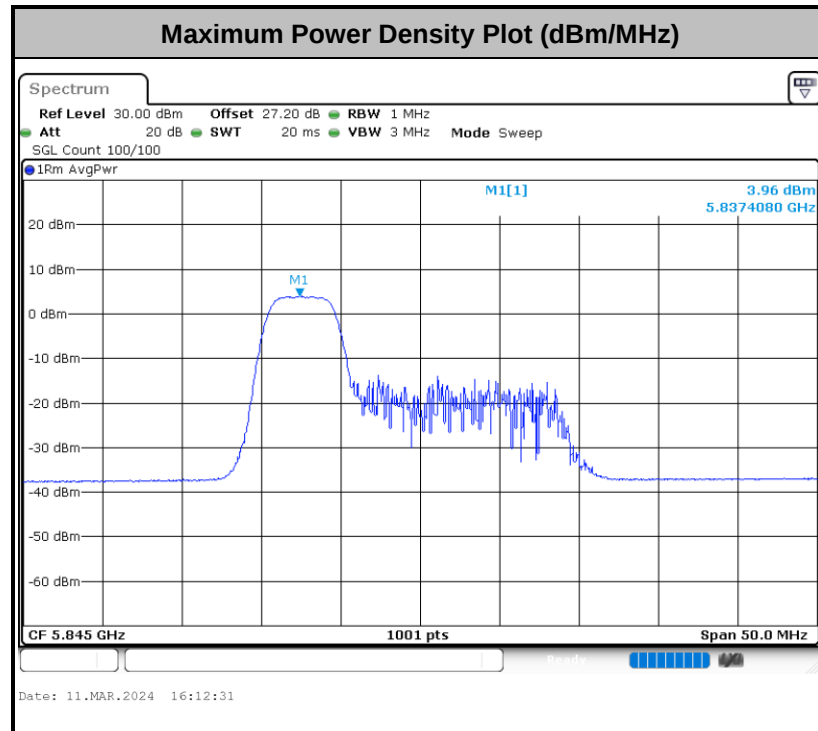
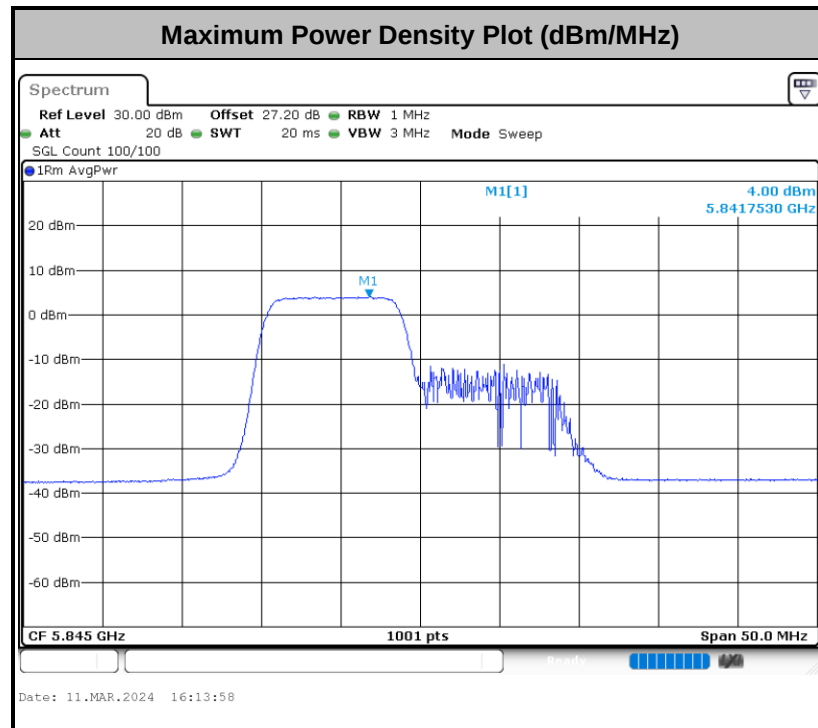
## <802.11ac VHT40>



## <802.11ac VHT80>

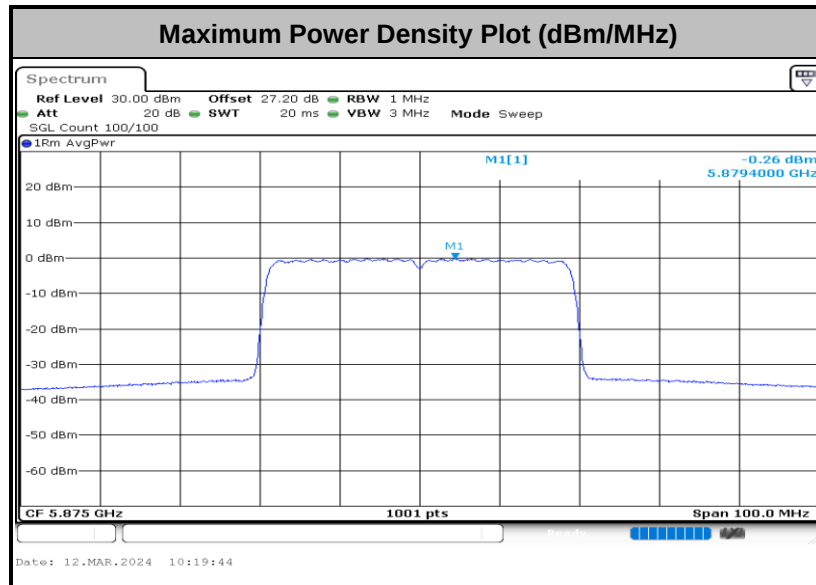


**<802.11ax HE20 Full RU>**

**<802.11ax HE20 26 RU>**


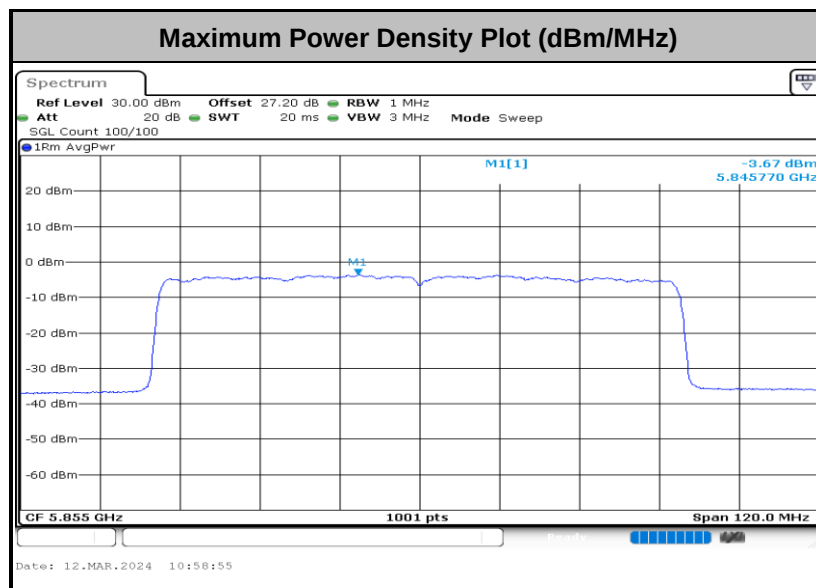
**<802.11ax HE20 52 RU>**

**<802.11ax HE20 106 RU>**




<802.11ax HE40 Full RU>



<802.11ax HE80 Full RU>





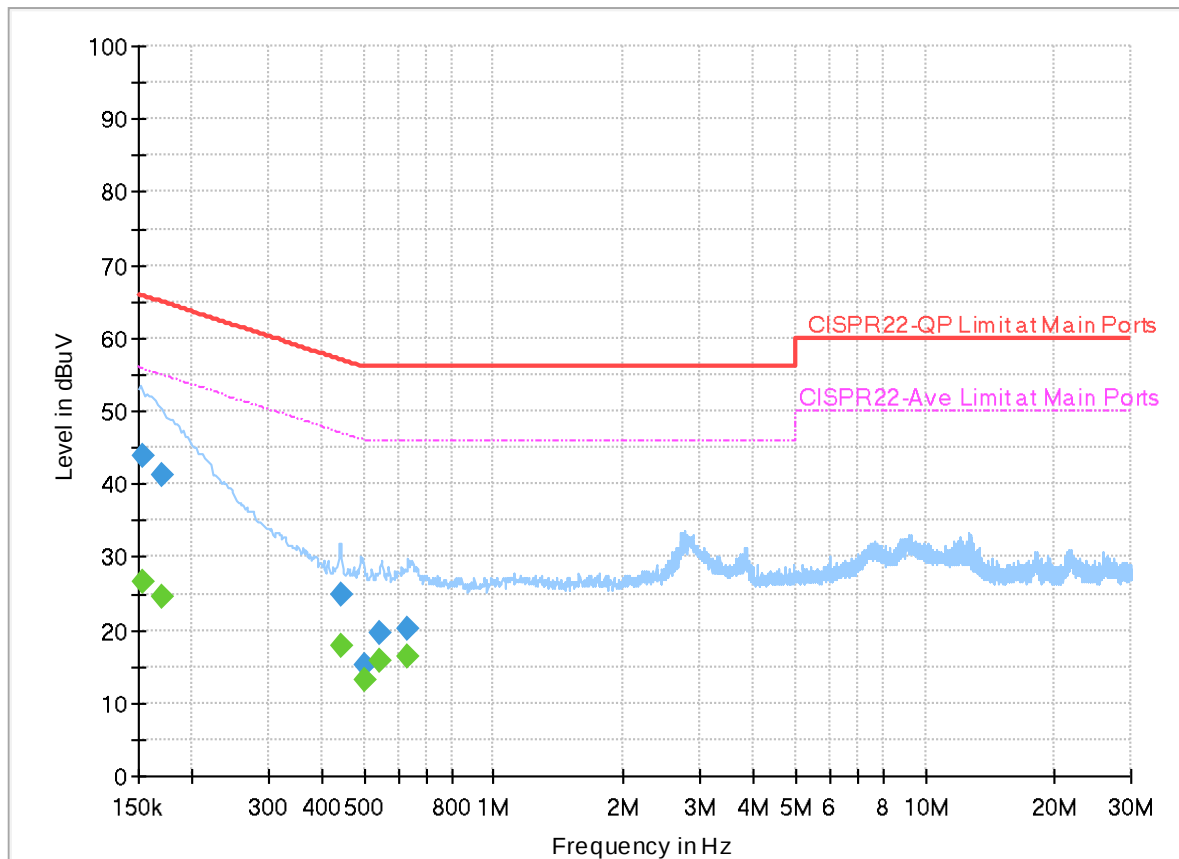
## **Appendix B. AC Conducted Emission Test Results**

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

## EUT Information

Report NO : 420107  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



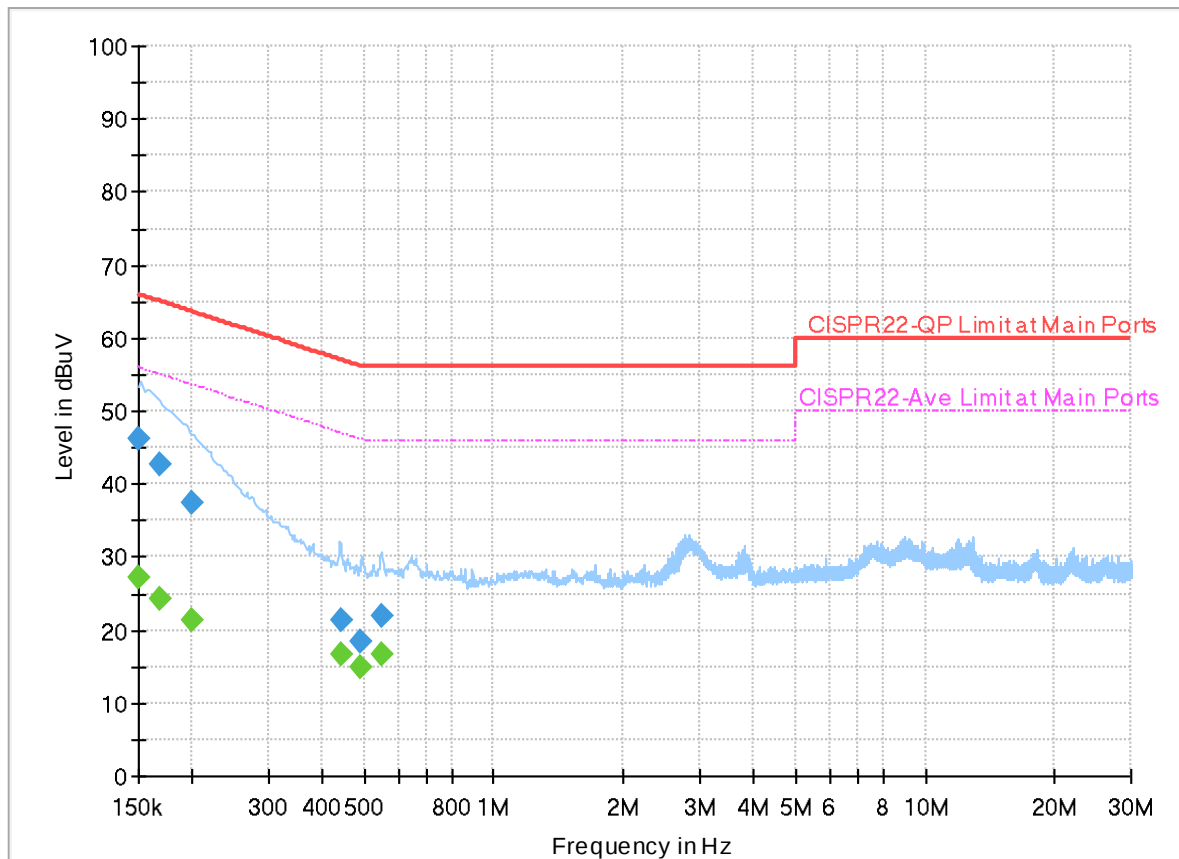
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152700        | ---              | 26.52           | 55.85        | 29.33       | L1   | OFF    | 19.9       |
| 0.152700        | 43.79            | ---             | 65.85        | 22.06       | L1   | OFF    | 19.9       |
| 0.169260        | ---              | 24.58           | 55.00        | 30.42       | L1   | OFF    | 19.9       |
| 0.169260        | 41.22            | ---             | 65.00        | 23.78       | L1   | OFF    | 19.9       |
| 0.440340        | ---              | 17.91           | 47.06        | 29.15       | L1   | OFF    | 19.9       |
| 0.440340        | 24.88            | ---             | 57.06        | 32.18       | L1   | OFF    | 19.9       |
| 0.503250        | ---              | 13.15           | 46.00        | 32.85       | L1   | OFF    | 19.9       |
| 0.503250        | 15.17            | ---             | 56.00        | 40.83       | L1   | OFF    | 19.9       |
| 0.546000        | ---              | 15.67           | 46.00        | 30.33       | L1   | OFF    | 19.9       |
| 0.546000        | 19.58            | ---             | 56.00        | 36.42       | L1   | OFF    | 19.9       |
| 0.632490        | ---              | 16.51           | 46.00        | 29.49       | L1   | OFF    | 19.9       |
| 0.632490        | 20.09            | ---             | 56.00        | 35.91       | L1   | OFF    | 19.9       |

## EUT Information

Report NO : 420107  
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) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.150000        | 46.32            | ---             | 66.00        | 19.68       | N    | OFF    | 19.9       |
| 0.150000        | ---              | 27.16           | 56.00        | 28.84       | N    | OFF    | 19.9       |
| 0.168900        | 42.63            | ---             | 65.01        | 22.38       | N    | OFF    | 19.9       |
| 0.168900        | ---              | 24.27           | 55.01        | 30.74       | N    | OFF    | 19.9       |
| 0.199500        | 37.57            | ---             | 63.63        | 26.06       | N    | OFF    | 19.9       |
| 0.199500        | ---              | 21.26           | 53.63        | 32.37       | N    | OFF    | 19.9       |
| 0.444750        | 21.20            | ---             | 56.97        | 35.77       | N    | OFF    | 19.9       |
| 0.444750        | ---              | 16.64           | 46.97        | 30.33       | N    | OFF    | 19.9       |
| 0.489750        | 18.45            | ---             | 56.17        | 37.72       | N    | OFF    | 19.9       |
| 0.489750        | ---              | 15.04           | 46.17        | 31.13       | N    | OFF    | 19.9       |
| 0.547890        | 22.00            | ---             | 56.00        | 34.00       | N    | OFF    | 19.9       |
| 0.547890        | ---              | 16.66           | 46.00        | 29.34       | N    | OFF    | 19.9       |



## Appendix C. Radiated Spurious Emission

|                 |                                          |                     |             |
|-----------------|------------------------------------------|---------------------|-------------|
| Test Engineer : | Daniel Lee, Quentin Liu and Bigshow Wang | Temperature :       | 21.1~23.4°C |
|                 |                                          | Relative Humidity : | 48~58%      |

## UNII-4 - 5850~5895MHz

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

| WIFI Ant.                    | Note | Frequency | Level      | Margin | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl 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 |      | 5648.38   | 47.54      | -20.66 | 68.2       | 41.91      | 33.24          | 8.71      | 36.32          | 100     | 314       | P         | H       |
|                              |      | 5693.81   | 47.76      | -52.88 | 100.64     | 41.87      | 33.47          | 8.75      | 36.33          | 100     | 314       | P         | H       |
|                              |      | 5713.28   | 46.54      | -62.38 | 108.92     | 40.53      | 33.57          | 8.77      | 36.33          | 100     | 314       | P         | H       |
|                              |      | 5725.08   | 46.13      | -88.07 | 134.2      | 40.05      | 33.63          | 8.78      | 36.33          | 100     | 314       | P         | H       |
|                              | *    | 5845      | 98.64      | -      | -          | 92.04      | 34.09          | 8.87      | 36.36          | 100     | 314       | P         | H       |
|                              | *    | 5845      | 91.14      | -      | -          | 84.54      | 34.09          | 8.87      | 36.36          | 100     | 314       | A         | H       |
|                              |      | 5899      | 48.02      | -59.24 | 107.26     | 41.3       | 34.2           | 8.9       | 36.38          | 100     | 314       | P         | H       |
|                              |      | 5972.25   | 47.64      | -40.56 | 88.2       | 41.03      | 34.06          | 8.94      | 36.39          | 100     | 314       | P         | H       |
|                              |      | 5895.25   | 39.27      | -50.75 | 90.02      | 32.55      | 34.19          | 8.9       | 36.37          | 100     | 314       | A         | H       |
|                              |      | 5929      | 38.77      | -29.43 | 68.2       | 32.09      | 34.14          | 8.92      | 36.38          | 100     | 314       | A         | H       |
|                              |      |           |            |        |            |            |                |           |                |         |           |           | H       |
|                              |      |           |            |        |            |            |                |           |                |         |           |           | H       |
|                              |      | 5618.29   | 46.97      | -21.23 | 68.2       | 41.5       | 33.09          | 8.69      | 36.31          | 100     | 53        | P         | V       |
|                              |      | 5687.025  | 48.24      | -47.39 | 95.63      | 42.38      | 33.44          | 8.74      | 36.32          | 100     | 53        | P         | V       |
|                              |      | 5717.41   | 46.88      | -63.2  | 110.08     | 40.85      | 33.59          | 8.77      | 36.33          | 100     | 53        | P         | V       |
|                              |      | 5723.9    | 46.24      | -73.45 | 119.69     | 40.17      | 33.62          | 8.78      | 36.33          | 100     | 53        | P         | V       |
|                              | *    | 5845      | 99.79      | -      | -          | 93.19      | 34.09          | 8.87      | 36.36          | 100     | 53        | P         | V       |
|                              | *    | 5845      | 92.37      | -      | -          | 85.77      | 34.09          | 8.87      | 36.36          | 100     | 53        | A         | V       |
|                              |      | 5895.25   | 48.89      | -61.13 | 110.02     | 42.17      | 34.19          | 8.9       | 36.37          | 100     | 53        | P         | V       |
|                              |      | 5986.25   | 47.7       | -40.5  | 88.2       | 41.12      | 34.03          | 8.95      | 36.4           | 100     | 53        | P         | V       |
|                              |      | 5895.25   | 39.8       | -50.22 | 90.02      | 33.08      | 34.19          | 8.9       | 36.37          | 100     | 53        | A         | V       |
|                              |      | 5926.75   | 38.95      | -29.25 | 68.2       | 32.26      | 34.15          | 8.92      | 36.38          | 100     | 53        | A         | 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 173<br>5865MHz |      | 5648.38              | 47.84               | -20.36           | 68.2                        | 42.21                     | 33.24                         | 8.71                   | 36.32                      | 329                  | 20                      | P                       | H               |
|                              |      | 5697.645             | 47.08               | -56.38           | 103.46                      | 41.17                     | 33.49                         | 8.75                   | 36.33                      | 329                  | 20                      | P                       | H               |
|                              |      | 5717.705             | 46.56               | -63.6            | 110.16                      | 40.53                     | 33.59                         | 8.77                   | 36.33                      | 329                  | 20                      | P                       | H               |
|                              |      | 5723.605             | 46.89               | -72.13           | 119.02                      | 40.82                     | 33.62                         | 8.78                   | 36.33                      | 329                  | 20                      | P                       | H               |
|                              | *    | 5865                 | 98.5                | -                | -                           | 91.86                     | 34.13                         | 8.88                   | 36.37                      | 329                  | 20                      | P                       | H               |
|                              | *    | 5865                 | 91.02               | -                | -                           | 84.38                     | 34.13                         | 8.88                   | 36.37                      | 329                  | 20                      | A                       | H               |
|                              |      | 5896                 | 57.84               | -51.62           | 109.46                      | 51.13                     | 34.19                         | 8.9                    | 36.38                      | 329                  | 20                      | P                       | H               |
|                              |      | 5970.75              | 47.73               | -40.47           | 88.2                        | 41.12                     | 34.06                         | 8.94                   | 36.39                      | 329                  | 20                      | P                       | H               |
|                              |      | 5895.5               | 44.41               | -45.42           | 89.83                       | 37.69                     | 34.19                         | 8.9                    | 36.37                      | 329                  | 20                      | A                       | H               |
|                              |      | 5927.25              | 38.76               | -29.44           | 68.2                        | 32.07                     | 34.15                         | 8.92                   | 36.38                      | 329                  | 20                      | A                       | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5638.055             | 47.42               | -20.78           | 68.2                        | 41.84                     | 33.19                         | 8.7                    | 36.31                      | 117                  | 56                      | P                       | V               |
|                              |      | 5672.275             | 47.77               | -36.95           | 84.72                       | 42                        | 33.36                         | 8.73                   | 36.32                      | 117                  | 56                      | P                       | V               |
|                              |      | 5707.675             | 47.03               | -60.32           | 107.35                      | 41.06                     | 33.54                         | 8.76                   | 36.33                      | 117                  | 56                      | P                       | V               |
|                              |      | 5720.95              | 45.89               | -67.08           | 112.97                      | 39.85                     | 33.6                          | 8.77                   | 36.33                      | 117                  | 56                      | P                       | V               |
|                              | *    | 5865                 | 100.27              | -                | -                           | 93.63                     | 34.13                         | 8.88                   | 36.37                      | 117                  | 56                      | P                       | V               |
|                              | *    | 5865                 | 92.76               | -                | -                           | 86.12                     | 34.13                         | 8.88                   | 36.37                      | 117                  | 56                      | A                       | V               |
|                              |      | 5896                 | 58.01               | -51.45           | 109.46                      | 51.3                      | 34.19                         | 8.9                    | 36.38                      | 117                  | 56                      | P                       | V               |
|                              |      | 5947.5               | 48.43               | -39.77           | 88.2                        | 41.79                     | 34.1                          | 8.93                   | 36.39                      | 117                  | 56                      | P                       | V               |
|                              |      | 5895.5               | 45.89               | -43.94           | 89.83                       | 39.17                     | 34.19                         | 8.9                    | 36.37                      | 117                  | 56                      | A                       | V               |
|                              |      | 5925.5               | 39.01               | -29.19           | 68.2                        | 32.32                     | 34.15                         | 8.92                   | 36.38                      | 117                  | 56                      | A                       | 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 |                                                                                             | 5623.01              | 47.46               | -20.74           | 68.2                        | 41.96                     | 33.12                         | 8.69                   | 36.31                      | 112                  | 327                     | P                       | H               |
|                              |                                                                                             | 5683.78              | 47.18               | -46.05           | 93.23                       | 41.34                     | 33.42                         | 8.74                   | 36.32                      | 112                  | 327                     | P                       | H               |
|                              |                                                                                             | 5712.985             | 48.33               | -60.51           | 108.84                      | 42.33                     | 33.56                         | 8.77                   | 36.33                      | 112                  | 327                     | P                       | H               |
|                              |                                                                                             | 5723.9               | 46.48               | -73.21           | 119.69                      | 40.41                     | 33.62                         | 8.78                   | 36.33                      | 112                  | 327                     | P                       | H               |
|                              | *                                                                                           | 5885                 | 97.2                | -                | -                           | 90.51                     | 34.17                         | 8.89                   | 36.37                      | 112                  | 327                     | P                       | H               |
|                              | *                                                                                           | 5885                 | 89.78               | -                | -                           | 83.09                     | 34.17                         | 8.89                   | 36.37                      | 112                  | 327                     | A                       | H               |
|                              |                                                                                             | 5895                 | 78.49               | -31.71           | 110.2                       | 71.77                     | 34.19                         | 8.9                    | 36.37                      | 112                  | 327                     | P                       | H               |
|                              |                                                                                             | 5925.25              | 49.05               | -39.15           | 88.2                        | 42.36                     | 34.15                         | 8.92                   | 36.38                      | 112                  | 327                     | P                       | H               |
|                              |                                                                                             | 5895.25              | 65.65               | -24.37           | 90.02                       | 58.93                     | 34.19                         | 8.9                    | 36.37                      | 112                  | 327                     | A                       | H               |
|                              |                                                                                             | 5925                 | 39.94               | -28.26           | 68.2                        | 33.26                     | 34.15                         | 8.91                   | 36.38                      | 112                  | 327                     | A                       | H               |
|                              |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 5648.085             | 47.14               | -21.06           | 68.2                        | 41.51                     | 33.24                         | 8.71                   | 36.32                      | 120                  | 64                      | P                       | V               |
|                              |                                                                                             | 5672.275             | 48.48               | -36.24           | 84.72                       | 42.71                     | 33.36                         | 8.73                   | 36.32                      | 120                  | 64                      | P                       | V               |
|                              |                                                                                             | 5718.885             | 47.2                | -63.29           | 110.49                      | 41.17                     | 33.59                         | 8.77                   | 36.33                      | 120                  | 64                      | P                       | V               |
|                              |                                                                                             | 5721.835             | 47.71               | -67.27           | 114.98                      | 41.66                     | 33.61                         | 8.77                   | 36.33                      | 120                  | 64                      | P                       | V               |
|                              | *                                                                                           | 5885                 | 100.04              | -                | -                           | 93.35                     | 34.17                         | 8.89                   | 36.37                      | 120                  | 64                      | P                       | V               |
|                              | *                                                                                           | 5885                 | 92.66               | -                | -                           | 85.97                     | 34.17                         | 8.89                   | 36.37                      | 120                  | 64                      | A                       | V               |
|                              |                                                                                             | 5895.5               | 81.31               | -28.52           | 109.83                      | 74.59                     | 34.19                         | 8.9                    | 36.37                      | 120                  | 64                      | P                       | V               |
|                              |                                                                                             | 5934                 | 53.89               | -34.31           | 88.2                        | 47.22                     | 34.13                         | 8.92                   | 36.38                      | 120                  | 64                      | P                       | V               |
|                              |                                                                                             | 5895.25              | 68.68               | -21.34           | 90.02                       | 61.96                     | 34.19                         | 8.9                    | 36.37                      | 120                  | 64                      | A                       | V               |
|                              |                                                                                             | 5925.5               | 41.5                | -26.7            | 68.2                        | 34.81                     | 34.15                         | 8.92                   | 36.38                      | 120                  | 64                      | A                       | V               |
|                              |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | 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 ) |
|---------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 169<br/>5845MHz</b> |      | 11690                | 45.86               | -28.14           | 74                          | 51.68                     | 39.01                         | 13.2                   | 58.03                      | -                    | -                       | P                       | H               |
|                                       |      | 17535                | 46.33               | -21.87           | 68.2                        | 49.38                     | 39.79                         | 16.31                  | 59.15                      | -                    | -                       | P                       | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 11690                | 46.27               | -27.73           | 74                          | 52.09                     | 39.01                         | 13.2                   | 58.03                      | -                    | -                       | P                       | V               |
|                                       |      | 17535                | 46.72               | -21.48           | 68.2                        | 49.77                     | 39.79                         | 16.31                  | 59.15                      | -                    | -                       | P                       | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

[illegible]

[illegible]



## UNII- 4 5850~5895MHz

## WIFI 802.11n HT20 (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 ) |
|--------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 169<br>5845MHz |      | 5631.86              | 48.05               | -20.15           | 68.2                        | 42.5                      | 33.16                         | 8.7                    | 36.31                      | 333                  | 25                      | P                       | H               |
|                                      |      | 5674.045             | 47.43               | -38.6            | 86.03                       | 41.65                     | 33.37                         | 8.73                   | 36.32                      | 333                  | 25                      | P                       | H               |
|                                      |      | 5703.25              | 48.71               | -57.4            | 106.11                      | 42.76                     | 33.52                         | 8.76                   | 36.33                      | 333                  | 25                      | P                       | H               |
|                                      |      | 5725.08              | 47.39               | -86.81           | 134.2                       | 41.31                     | 33.63                         | 8.78                   | 36.33                      | 333                  | 25                      | P                       | H               |
|                                      | *    | 5845                 | 98.63               | -                | -                           | 92.03                     | 34.09                         | 8.87                   | 36.36                      | 333                  | 25                      | P                       | H               |
|                                      | *    | 5845                 | 91.3                | -                | -                           | 84.7                      | 34.09                         | 8.87                   | 36.36                      | 333                  | 25                      | A                       | H               |
|                                      |      | 5923.75              | 47.68               | -41.43           | 89.11                       | 41                        | 34.15                         | 8.91                   | 36.38                      | 333                  | 25                      | P                       | H               |
|                                      |      | 5986                 | 48.07               | -40.13           | 88.2                        | 41.49                     | 34.03                         | 8.95                   | 36.4                       | 333                  | 25                      | P                       | H               |
|                                      |      | 5896                 | 39.42               | -50.04           | 89.46                       | 32.71                     | 34.19                         | 8.9                    | 36.38                      | 333                  | 25                      | A                       | H               |
|                                      |      | 5925.75              | 38.96               | -29.24           | 68.2                        | 32.27                     | 34.15                         | 8.92                   | 36.38                      | 333                  | 25                      | A                       | H               |
|                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5633.925             | 48.39               | -19.81           | 68.2                        | 42.83                     | 33.17                         | 8.7                    | 36.31                      | 109                  | 58                      | P                       | V               |
|                                      |      | 5688.795             | 47.12               | -49.82           | 96.94                       | 41.26                     | 33.44                         | 8.75                   | 36.33                      | 109                  | 58                      | P                       | V               |
|                                      |      | 5708.56              | 46.58               | -61.02           | 107.6                       | 40.61                     | 33.54                         | 8.76                   | 36.33                      | 109                  | 58                      | P                       | V               |
|                                      |      | 5721.835             | 47.08               | -67.9            | 114.98                      | 41.03                     | 33.61                         | 8.77                   | 36.33                      | 109                  | 58                      | P                       | V               |
|                                      | *    | 5845                 | 100.25              | -                | -                           | 93.65                     | 34.09                         | 8.87                   | 36.36                      | 109                  | 58                      | P                       | V               |
|                                      | *    | 5845                 | 93.22               | -                | -                           | 86.62                     | 34.09                         | 8.87                   | 36.36                      | 109                  | 58                      | A                       | V               |
|                                      |      | 5897.75              | 50.48               | -57.7            | 108.18                      | 43.76                     | 34.2                          | 8.9                    | 36.38                      | 109                  | 58                      | P                       | V               |
|                                      |      | 5999.25              | 47.37               | -40.83           | 88.2                        | 40.81                     | 34                            | 8.96                   | 36.4                       | 109                  | 58                      | P                       | V               |
|                                      |      | 5895                 | 40.38               | -49.82           | 90.2                        | 33.66                     | 34.19                         | 8.9                    | 36.37                      | 109                  | 58                      | A                       | V               |
|                                      |      | 5925.75              | 38.94               | -29.26           | 68.2                        | 32.25                     | 34.15                         | 8.92                   | 36.38                      | 109                  | 58                      | A                       | 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 ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 177<br>5885MHz |                                                                                             | 5600                 | 46.91               | -21.29           | 68.2                        | 41.54                     | 33                            | 8.67                   | 36.3                       | 300                  | 34                      | P                       | H               |
|                                      |                                                                                             | 5687.615             | 49.02               | -47.05           | 96.07                       | 43.17                     | 33.44                         | 8.74                   | 36.33                      | 300                  | 34                      | P                       | H               |
|                                      |                                                                                             | 5719.77              | 46.62               | -64.12           | 110.74                      | 40.58                     | 33.6                          | 8.77                   | 36.33                      | 300                  | 34                      | P                       | H               |
|                                      |                                                                                             | 5724.195             | 48.32               | -72.04           | 120.36                      | 42.25                     | 33.62                         | 8.78                   | 36.33                      | 300                  | 34                      | P                       | H               |
|                                      | *                                                                                           | 5885                 | 97.89               | -                | -                           | 91.2                      | 34.17                         | 8.89                   | 36.37                      | 300                  | 34                      | P                       | H               |
|                                      | *                                                                                           | 5885                 | 90.38               | -                | -                           | 83.69                     | 34.17                         | 8.89                   | 36.37                      | 300                  | 34                      | A                       | H               |
|                                      |                                                                                             | 5895                 | 83.75               | -26.45           | 110.2                       | 77.03                     | 34.19                         | 8.9                    | 36.37                      | 300                  | 34                      | P                       | H               |
|                                      |                                                                                             | 5929.75              | 50.34               | -37.86           | 88.2                        | 43.66                     | 34.14                         | 8.92                   | 36.38                      | 300                  | 34                      | P                       | H               |
|                                      |                                                                                             | 5895                 | 71.02               | -19.18           | 90.2                        | 64.3                      | 34.19                         | 8.9                    | 36.37                      | 300                  | 34                      | A                       | H               |
|                                      |                                                                                             | 5925.25              | 41.25               | -26.95           | 68.2                        | 34.56                     | 34.15                         | 8.92                   | 36.38                      | 300                  | 34                      | A                       | H               |
|                                      |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 5605.9               | 46.73               | -21.47           | 68.2                        | 41.33                     | 33.03                         | 8.68                   | 36.31                      | 300                  | 43                      | P                       | V               |
|                                      |                                                                                             | 5689.09              | 47.67               | -49.48           | 97.15                       | 41.8                      | 33.45                         | 8.75                   | 36.33                      | 300                  | 43                      | P                       | V               |
|                                      |                                                                                             | 5711.805             | 46.36               | -62.15           | 108.51                      | 40.36                     | 33.56                         | 8.77                   | 36.33                      | 300                  | 43                      | P                       | V               |
|                                      |                                                                                             | 5721.835             | 45.13               | -69.85           | 114.98                      | 39.08                     | 33.61                         | 8.77                   | 36.33                      | 300                  | 43                      | P                       | V               |
|                                      | *                                                                                           | 5885                 | 99.94               | -                | -                           | 93.25                     | 34.17                         | 8.89                   | 36.37                      | 300                  | 43                      | P                       | V               |
|                                      | *                                                                                           | 5885                 | 92.64               | -                | -                           | 85.95                     | 34.17                         | 8.89                   | 36.37                      | 300                  | 43                      | A                       | V               |
|                                      |                                                                                             | 5895.25              | 84.76               | -25.26           | 110.02                      | 78.04                     | 34.19                         | 8.9                    | 36.37                      | 300                  | 43                      | P                       | V               |
|                                      |                                                                                             | 5928.25              | 52.41               | -35.79           | 88.2                        | 45.73                     | 34.14                         | 8.92                   | 36.38                      | 300                  | 43                      | P                       | V               |
|                                      |                                                                                             | 5895                 | 73.18               | -17.02           | 90.2                        | 66.46                     | 34.19                         | 8.9                    | 36.37                      | 300                  | 43                      | A                       | V               |
|                                      |                                                                                             | 5925                 | 41.97               | -26.23           | 68.2                        | 35.29                     | 34.15                         | 8.91                   | 36.38                      | 300                  | 43                      | A                       | V               |
|                                      |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## UNII- 4 5850~5895MHz

### WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI<br>Ant.<br>1                    | Note | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><br>( dB ) | Limit<br>Line<br><br>( dBμV/m ) | Read<br>Level<br><br>( dBμV ) | Antenna<br>Factor<br><br>( dB/m ) | Path<br>Loss<br><br>( dB ) | Preamp<br>Factor<br><br>( dB ) | Ant<br>Pos<br><br>( cm ) | Table<br>Pos<br><br>( deg ) | Peak<br>Avg.<br><br>( P/A ) | Pol.<br><br>( H/V ) |
|--------------------------------------|------|--------------------------|-------------------------|----------------------|---------------------------------|-------------------------------|-----------------------------------|----------------------------|--------------------------------|--------------------------|-----------------------------|-----------------------------|---------------------|
| 802.11n<br>HT20<br>CH 173<br>5865MHz |      | 11730                    | 46.17                   | -27.83               | 74                              | 51.95                         | 39.02                             | 13.21                      | 58.01                          | -                        | -                           | P                           | H                   |
|                                      |      | 17595                    | 50.51                   | -17.69               | 68.2                            | 53.22                         | 40.02                             | 16.32                      | 59.05                          | -                        | -                           | P                           | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                      |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             |                     |



## 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 169<br>5845MHz |      | 5609.735             | 47.6                | -20.6            | 68.2                        | 42.18                     | 33.05                         | 8.68                   | 36.31                      | 100                  | 326                     | P                       | H               |
|                                        |      | 5651.035             | 48.53               | -20.44           | 68.97                       | 42.88                     | 33.26                         | 8.71                   | 36.32                      | 100                  | 326                     | P                       | H               |
|                                        |      | 5702.955             | 46.66               | -59.37           | 106.03                      | 40.72                     | 33.51                         | 8.76                   | 36.33                      | 100                  | 326                     | P                       | H               |
|                                        |      | 5722.72              | 47.74               | -69.26           | 117                         | 41.69                     | 33.61                         | 8.77                   | 36.33                      | 100                  | 326                     | P                       | H               |
|                                        | *    | 5845                 | 97.99               | -                | -                           | 91.39                     | 34.09                         | 8.87                   | 36.36                      | 100                  | 326                     | P                       | H               |
|                                        | *    | 5845                 | 90.9                | -                | -                           | 84.3                      | 34.09                         | 8.87                   | 36.36                      | 100                  | 326                     | A                       | H               |
|                                        |      | 5904.5               | 47.08               | -56.14           | 103.22                      | 40.37                     | 34.19                         | 8.9                    | 36.38                      | 100                  | 326                     | P                       | H               |
|                                        |      | 5931                 | 48.73               | -39.47           | 88.2                        | 42.05                     | 34.14                         | 8.92                   | 36.38                      | 100                  | 326                     | P                       | H               |
|                                        |      | 5895.25              | 39.08               | -50.94           | 90.02                       | 32.36                     | 34.19                         | 8.9                    | 36.37                      | 100                  | 326                     | A                       | H               |
|                                        |      | 5926.25              | 38.8                | -29.4            | 68.2                        | 32.11                     | 34.15                         | 8.92                   | 36.38                      | 100                  | 326                     | A                       | H               |
|                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5642.775             | 47.28               | -20.92           | 68.2                        | 41.67                     | 33.21                         | 8.71                   | 36.31                      | 100                  | 69                      | P                       | V               |
|                                        |      | 5662.835             | 47.44               | -30.29           | 77.73                       | 41.73                     | 33.31                         | 8.72                   | 36.32                      | 100                  | 69                      | P                       | V               |
|                                        |      | 5705.315             | 48.32               | -58.37           | 106.69                      | 42.36                     | 33.53                         | 8.76                   | 36.33                      | 100                  | 69                      | P                       | V               |
|                                        |      | 5725.08              | 45.79               | -88.41           | 134.2                       | 39.71                     | 33.63                         | 8.78                   | 36.33                      | 100                  | 69                      | P                       | V               |
|                                        | *    | 5845                 | 99.69               | -                | -                           | 93.09                     | 34.09                         | 8.87                   | 36.36                      | 100                  | 69                      | P                       | V               |
|                                        | *    | 5845                 | 92.48               | -                | -                           | 85.88                     | 34.09                         | 8.87                   | 36.36                      | 100                  | 69                      | A                       | V               |
|                                        |      | 5898.75              | 48.13               | -59.31           | 107.44                      | 41.41                     | 34.2                          | 8.9                    | 36.38                      | 100                  | 69                      | P                       | V               |
|                                        |      | 5931                 | 48.39               | -39.81           | 88.2                        | 41.71                     | 34.14                         | 8.92                   | 36.38                      | 100                  | 69                      | P                       | V               |
|                                        |      | 5895                 | 39.7                | -50.5            | 90.2                        | 32.98                     | 34.19                         | 8.9                    | 36.37                      | 100                  | 69                      | A                       | V               |
|                                        |      | 5933.75              | 38.85               | -29.35           | 68.2                        | 32.18                     | 34.13                         | 8.92                   | 36.38                      | 100                  | 69                      | A                       | 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 ) |
|----------------------------------------|--------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 177<br>5885MHz |                                                              | 5630.09              | 46.88               | -21.32           | 68.2                        | 41.34                     | 33.15                         | 8.7                    | 36.31                      | 325                  | 28                      | P                       | H               |
|                                        |                                                              | 5666.67              | 47.92               | -32.65           | 80.57                       | 42.18                     | 33.33                         | 8.73                   | 36.32                      | 325                  | 28                      | P                       | H               |
|                                        |                                                              | 5714.46              | 47.27               | -61.98           | 109.25                      | 41.26                     | 33.57                         | 8.77                   | 36.33                      | 325                  | 28                      | P                       | H               |
|                                        |                                                              | 5723.015             | 45.88               | -71.8            | 117.68                      | 39.82                     | 33.62                         | 8.77                   | 36.33                      | 325                  | 28                      | P                       | H               |
|                                        | *                                                            | 5885                 | 98.02               | -                | -                           | 91.33                     | 34.17                         | 8.89                   | 36.37                      | 325                  | 28                      | P                       | H               |
|                                        | *                                                            | 5885                 | 90.51               | -                | -                           | 83.82                     | 34.17                         | 8.89                   | 36.37                      | 325                  | 28                      | A                       | H               |
|                                        |                                                              | 5895                 | 85.27               | -24.93           | 110.2                       | 78.55                     | 34.19                         | 8.9                    | 36.37                      | 325                  | 28                      | P                       | H               |
|                                        |                                                              | 5925.5               | 53.33               | -34.87           | 88.2                        | 46.64                     | 34.15                         | 8.92                   | 36.38                      | 325                  | 28                      | P                       | H               |
|                                        |                                                              | 5895                 | 71.35               | -18.85           | 90.2                        | 64.63                     | 34.19                         | 8.9                    | 36.37                      | 325                  | 28                      | A                       | H               |
|                                        |                                                              | 5925.75              | 41.41               | -26.79           | 68.2                        | 34.72                     | 34.15                         | 8.92                   | 36.38                      | 325                  | 28                      | A                       | H               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              | 5630.975             | 46.45               | -21.75           | 68.2                        | 40.91                     | 33.15                         | 8.7                    | 36.31                      | 297                  | 43                      | P                       | V               |
|                                        |                                                              | 5672.865             | 47.29               | -37.87           | 85.16                       | 41.52                     | 33.36                         | 8.73                   | 36.32                      | 297                  | 43                      | P                       | V               |
|                                        |                                                              | 5707.085             | 46.62               | -60.57           | 107.19                      | 40.65                     | 33.54                         | 8.76                   | 36.33                      | 297                  | 43                      | P                       | V               |
|                                        |                                                              | 5721.835             | 45.92               | -69.06           | 114.98                      | 39.87                     | 33.61                         | 8.77                   | 36.33                      | 297                  | 43                      | P                       | V               |
|                                        | *                                                            | 5885                 | 100.1               | -                | -                           | 93.41                     | 34.17                         | 8.89                   | 36.37                      | 297                  | 43                      | P                       | V               |
|                                        | *                                                            | 5885                 | 92.5                | -                | -                           | 85.81                     | 34.17                         | 8.89                   | 36.37                      | 297                  | 43                      | A                       | V               |
|                                        |                                                              | 5895.5               | 80.39               | -29.44           | 109.83                      | 73.67                     | 34.19                         | 8.9                    | 36.37                      | 297                  | 43                      | P                       | V               |
|                                        |                                                              | 5927                 | 53.24               | -34.96           | 88.2                        | 46.55                     | 34.15                         | 8.92                   | 36.38                      | 297                  | 43                      | P                       | V               |
|                                        |                                                              | 5895                 | 73.28               | -16.92           | 90.2                        | 66.56                     | 34.19                         | 8.9                    | 36.37                      | 297                  | 43                      | A                       | V               |
|                                        |                                                              | 5925.75              | 42.73               | -25.47           | 68.2                        | 36.04                     | 34.15                         | 8.92                   | 36.38                      | 297                  | 43                      | A                       | V               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                        | 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 802.11ac VHT40 (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>VHT40<br>CH 167<br>5835MHz |      | 5628.615             | 47.09               | -21.11           | 68.2                        | 41.57                     | 33.14                         | 8.69                   | 36.31                      | 115                  | 325                     | P                       | H               |
|                                        |      | 5693.22              | 47.96               | -52.24           | 100.2                       | 42.07                     | 33.47                         | 8.75                   | 36.33                      | 115                  | 325                     | P                       | H               |
|                                        |      | 5720.065             | 53.26               | -57.69           | 110.95                      | 47.22                     | 33.6                          | 8.77                   | 36.33                      | 115                  | 325                     | P                       | H               |
|                                        |      | 5720.065             | 53.26               | -57.69           | 110.95                      | 47.22                     | 33.6                          | 8.77                   | 36.33                      | 115                  | 325                     | P                       | H               |
|                                        | *    | 5835                 | 95.98               | -                | -                           | 89.41                     | 34.07                         | 8.86                   | 36.36                      | 115                  | 325                     | P                       | H               |
|                                        | *    | 5835                 | 88.73               | -                | -                           | 82.16                     | 34.07                         | 8.86                   | 36.36                      | 115                  | 325                     | A                       | H               |
|                                        |      | 5898.75              | 53.37               | -54.07           | 107.44                      | 46.65                     | 34.2                          | 8.9                    | 36.38                      | 115                  | 325                     | P                       | H               |
|                                        |      | 5929.75              | 48.58               | -39.62           | 88.2                        | 41.9                      | 34.14                         | 8.92                   | 36.38                      | 115                  | 325                     | P                       | H               |
|                                        |      | 5895.25              | 44.6                | -45.42           | 90.02                       | 37.88                     | 34.19                         | 8.9                    | 36.37                      | 115                  | 325                     | A                       | H               |
|                                        |      | 5927.25              | 39.64               | -28.56           | 68.2                        | 32.95                     | 34.15                         | 8.92                   | 36.38                      | 115                  | 325                     | A                       | H               |
|                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5621.24              | 47.14               | -21.06           | 68.2                        | 41.65                     | 33.11                         | 8.69                   | 36.31                      | 100                  | 54                      | P                       | V               |
|                                        |      | 5679.945             | 47.64               | -42.76           | 90.4                        | 41.82                     | 33.4                          | 8.74                   | 36.32                      | 100                  | 54                      | P                       | V               |
|                                        |      | 5715.64              | 49.24               | -60.34           | 109.58                      | 43.22                     | 33.58                         | 8.77                   | 36.33                      | 100                  | 54                      | P                       | V               |
|                                        |      | 5724.195             | 49                  | -71.36           | 120.36                      | 42.93                     | 33.62                         | 8.78                   | 36.33                      | 100                  | 54                      | P                       | V               |
|                                        | *    | 5835                 | 97.01               | -                | -                           | 90.44                     | 34.07                         | 8.86                   | 36.36                      | 100                  | 54                      | P                       | V               |
|                                        | *    | 5835                 | 89.72               | -                | -                           | 83.15                     | 34.07                         | 8.86                   | 36.36                      | 100                  | 54                      | A                       | V               |
|                                        |      | 5895.75              | 58.91               | -50.74           | 109.65                      | 52.19                     | 34.19                         | 8.9                    | 36.37                      | 100                  | 54                      | P                       | V               |
|                                        |      | 5926.25              | 52.08               | -36.12           | 88.2                        | 45.39                     | 34.15                         | 8.92                   | 36.38                      | 100                  | 54                      | P                       | V               |
|                                        |      | 5895.75              | 47.95               | -41.7            | 89.65                       | 41.23                     | 34.19                         | 8.9                    | 36.37                      | 100                  | 54                      | A                       | V               |
|                                        |      | 5925                 | 41.65               | -26.55           | 68.2                        | 34.97                     | 34.15                         | 8.91                   | 36.38                      | 100                  | 54                      | A                       | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 175<br>5875MHz |                                                                                             | 5607.08              | 47.81               | -20.39           | 68.2                        | 42.4                      | 33.04                         | 8.68                   | 36.31                      | 158                  | 34                      | P                       | H               |
|                                        |                                                                                             | 5676.11              | 47.68               | -39.88           | 87.56                       | 41.89                     | 33.38                         | 8.73                   | 36.32                      | 158                  | 34                      | P                       | H               |
|                                        |                                                                                             | 5703.84              | 47.18               | -59.1            | 106.28                      | 41.23                     | 33.52                         | 8.76                   | 36.33                      | 158                  | 34                      | P                       | H               |
|                                        |                                                                                             | 5720.95              | 46.01               | -66.96           | 112.97                      | 39.97                     | 33.6                          | 8.77                   | 36.33                      | 158                  | 34                      | P                       | H               |
|                                        | *                                                                                           | 5875                 | 94.77               | -                | -                           | 88.1                      | 34.15                         | 8.89                   | 36.37                      | 158                  | 34                      | P                       | H               |
|                                        | *                                                                                           | 5875                 | 87.41               | -                | -                           | 80.74                     | 34.15                         | 8.89                   | 36.37                      | 158                  | 34                      | A                       | H               |
|                                        |                                                                                             | 5896                 | 73.16               | -36.3            | 109.46                      | 66.45                     | 34.19                         | 8.9                    | 36.38                      | 158                  | 34                      | P                       | H               |
|                                        |                                                                                             | 5925                 | 58.31               | -29.89           | 88.2                        | 51.63                     | 34.15                         | 8.91                   | 36.38                      | 158                  | 34                      | P                       | H               |
|                                        |                                                                                             | 5895                 | 61.4                | -28.8            | 90.2                        | 54.68                     | 34.19                         | 8.9                    | 36.37                      | 158                  | 34                      | A                       | H               |
|                                        |                                                                                             | 5925                 | 48.23               | -19.97           | 68.2                        | 41.55                     | 34.15                         | 8.91                   | 36.38                      | 158                  | 34                      | A                       | H               |
|                                        |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5615.34              | 46.92               | -21.28           | 68.2                        | 41.47                     | 33.08                         | 8.68                   | 36.31                      | 122                  | 66                      | P                       | V               |
|                                        |                                                                                             | 5671.39              | 48.05               | -36.02           | 84.07                       | 42.28                     | 33.36                         | 8.73                   | 36.32                      | 122                  | 66                      | P                       | V               |
|                                        |                                                                                             | 5709.445             | 46.5                | -61.35           | 107.85                      | 40.52                     | 33.55                         | 8.76                   | 36.33                      | 122                  | 66                      | P                       | V               |
|                                        |                                                                                             | 5723.31              | 46.59               | -71.76           | 118.35                      | 40.53                     | 33.62                         | 8.77                   | 36.33                      | 122                  | 66                      | P                       | V               |
|                                        | *                                                                                           | 5875                 | 96.45               | -                | -                           | 89.78                     | 34.15                         | 8.89                   | 36.37                      | 122                  | 66                      | P                       | V               |
|                                        | *                                                                                           | 5875                 | 89.07               | -                | -                           | 82.4                      | 34.15                         | 8.89                   | 36.37                      | 122                  | 66                      | A                       | V               |
|                                        |                                                                                             | 5898.25              | 75.52               | -32.29           | 107.81                      | 68.8                      | 34.2                          | 8.9                    | 36.38                      | 122                  | 66                      | P                       | V               |
|                                        |                                                                                             | 5926.5               | 59.83               | -28.37           | 88.2                        | 53.14                     | 34.15                         | 8.92                   | 36.38                      | 122                  | 66                      | P                       | V               |
|                                        |                                                                                             | 5895                 | 64.16               | -26.04           | 90.2                        | 57.44                     | 34.19                         | 8.9                    | 36.37                      | 122                  | 66                      | A                       | V               |
|                                        |                                                                                             | 5925                 | 50.69               | -17.51           | 68.2                        | 44.01                     | 34.15                         | 8.91                   | 36.38                      | 122                  | 66                      | A                       | V               |
|                                        |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | 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 VHT40 (Harmonic @ 3m)

[illegible]

[illegible]



## UNII- 4 5850~5895MHz

## WIFI 802.11ac VHT80 (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>VHT80<br>CH 171<br>5855MHz |                                                              | 5649.855             | 49.23               | -18.97           | 68.2                        | 43.59                     | 33.25                         | 8.71                   | 36.32                      | 138                  | 35                      | P                       | H               |
|                                        |                                                              | 5692.04              | 49.92               | -49.41           | 99.33                       | 44.04                     | 33.46                         | 8.75                   | 36.33                      | 138                  | 35                      | P                       | H               |
|                                        |                                                              | 5708.855             | 51.26               | -56.42           | 107.68                      | 45.29                     | 33.54                         | 8.76                   | 36.33                      | 138                  | 35                      | P                       | H               |
|                                        |                                                              | 5724.49              | 50.52               | -70.52           | 121.04                      | 44.45                     | 33.62                         | 8.78                   | 36.33                      | 138                  | 35                      | P                       | H               |
|                                        | *                                                            | 5855                 | 90.89               | -                | -                           | 84.28                     | 34.11                         | 8.87                   | 36.37                      | 138                  | 35                      | P                       | H               |
|                                        | *                                                            | 5855                 | 83.25               | -                | -                           | 76.64                     | 34.11                         | 8.87                   | 36.37                      | 138                  | 35                      | A                       | H               |
|                                        |                                                              | 5895                 | 69.13               | -41.07           | 110.2                       | 62.41                     | 34.19                         | 8.9                    | 36.37                      | 138                  | 35                      | P                       | H               |
|                                        |                                                              | 5925                 | 62.23               | -25.97           | 88.2                        | 55.55                     | 34.15                         | 8.91                   | 36.38                      | 138                  | 35                      | P                       | H               |
|                                        |                                                              | 5895                 | 58.43               | -31.77           | 90.2                        | 51.71                     | 34.19                         | 8.9                    | 36.37                      | 138                  | 35                      | A                       | H               |
|                                        |                                                              | 5925.5               | 50.21               | -17.99           | 68.2                        | 43.52                     | 34.15                         | 8.92                   | 36.38                      | 138                  | 35                      | A                       | H               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              | 5648.97              | 48.42               | -19.78           | 68.2                        | 42.79                     | 33.24                         | 8.71                   | 36.32                      | 124                  | 65                      | P                       | V               |
|                                        |                                                              | 5686.14              | 49.67               | -45.31           | 94.98                       | 43.82                     | 33.43                         | 8.74                   | 36.32                      | 124                  | 65                      | P                       | V               |
|                                        |                                                              | 5707.675             | 50.5                | -56.85           | 107.35                      | 44.53                     | 33.54                         | 8.76                   | 36.33                      | 124                  | 65                      | P                       | V               |
|                                        |                                                              | 5722.13              | 49.81               | -65.85           | 115.66                      | 43.76                     | 33.61                         | 8.77                   | 36.33                      | 124                  | 65                      | P                       | V               |
|                                        | *                                                            | 5855                 | 92.81               | -                | -                           | 86.2                      | 34.11                         | 8.87                   | 36.37                      | 124                  | 65                      | P                       | V               |
|                                        | *                                                            | 5855                 | 85.45               | -                | -                           | 78.84                     | 34.11                         | 8.87                   | 36.37                      | 124                  | 65                      | A                       | V               |
|                                        |                                                              | 5895                 | 69.95               | -40.25           | 110.2                       | 63.23                     | 34.19                         | 8.9                    | 36.37                      | 124                  | 65                      | P                       | V               |
|                                        |                                                              | 5927.25              | 63.9                | -24.3            | 88.2                        | 57.21                     | 34.15                         | 8.92                   | 36.38                      | 124                  | 65                      | P                       | V               |
|                                        |                                                              | 5895                 | 59.89               | -30.31           | 90.2                        | 53.17                     | 34.19                         | 8.9                    | 36.37                      | 124                  | 65                      | A                       | V               |
|                                        |                                                              | 5925.5               | 52.86               | -15.34           | 68.2                        | 46.17                     | 34.15                         | 8.92                   | 36.38                      | 124                  | 65                      | A                       | V               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                        | 2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## UNII- 4 5850~5895MHz

### WIFI 802.11ac VHT80 (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 |      | 5605.605             | 47.09               | -21.11           | 68.2                        | 41.7                      | 33.03                         | 8.67                   | 36.31                      | 285                  | 21                      | P                       | H               |
|                                            |      | 5690.27              | 47.55               | -50.48           | 98.03                       | 41.68                     | 33.45                         | 8.75                   | 36.33                      | 285                  | 21                      | P                       | H               |
|                                            |      | 5714.165             | 47.76               | -61.41           | 109.17                      | 41.75                     | 33.57                         | 8.77                   | 36.33                      | 285                  | 21                      | P                       | H               |
|                                            |      | 5723.31              | 46.56               | -71.79           | 118.35                      | 40.5                      | 33.62                         | 8.77                   | 36.33                      | 285                  | 21                      | P                       | H               |
|                                            | *    | 5845                 | 99.39               | -                | -                           | 92.79                     | 34.09                         | 8.87                   | 36.36                      | 285                  | 21                      | P                       | H               |
|                                            | *    | 5845                 | 90.92               | -                | -                           | 84.32                     | 34.09                         | 8.87                   | 36.36                      | 285                  | 21                      | A                       | H               |
|                                            |      | 5895.25              | 50.58               | -59.44           | 110.02                      | 43.86                     | 34.19                         | 8.9                    | 36.37                      | 285                  | 21                      | P                       | H               |
|                                            |      | 5925.5               | 49.44               | -38.76           | 88.2                        | 42.75                     | 34.15                         | 8.92                   | 36.38                      | 285                  | 21                      | P                       | H               |
|                                            |      | 5895                 | 40.3                | -49.9            | 90.2                        | 33.58                     | 34.19                         | 8.9                    | 36.37                      | 285                  | 21                      | A                       | H               |
|                                            |      | 5931.75              | 38.52               | -29.68           | 68.2                        | 31.84                     | 34.14                         | 8.92                   | 36.38                      | 285                  | 21                      | A                       | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      | 5643.365             | 46.7                | -21.5            | 68.2                        | 41.08                     | 33.22                         | 8.71                   | 36.31                      | 286                  | 45                      | P                       | V               |
|                                            |      | 5698.53              | 47.28               | -56.84           | 104.12                      | 41.37                     | 33.49                         | 8.75                   | 36.33                      | 286                  | 45                      | P                       | V               |
|                                            |      | 5713.87              | 46.8                | -62.29           | 109.09                      | 40.79                     | 33.57                         | 8.77                   | 36.33                      | 286                  | 45                      | P                       | V               |
|                                            |      | 5722.425             | 46.83               | -69.5            | 116.33                      | 40.78                     | 33.61                         | 8.77                   | 36.33                      | 286                  | 45                      | P                       | V               |
|                                            | *    | 5845                 | 101.7               | -                | -                           | 95.1                      | 34.09                         | 8.87                   | 36.36                      | 286                  | 45                      | P                       | V               |
|                                            | *    | 5845                 | 92.84               | -                | -                           | 86.24                     | 34.09                         | 8.87                   | 36.36                      | 286                  | 45                      | A                       | V               |
|                                            |      | 5896.75              | 51.55               | -57.36           | 108.91                      | 44.84                     | 34.19                         | 8.9                    | 36.38                      | 286                  | 45                      | P                       | V               |
|                                            |      | 5967.75              | 49.06               | -39.14           | 88.2                        | 42.45                     | 34.06                         | 8.94                   | 36.39                      | 286                  | 45                      | P                       | V               |
|                                            |      | 5895.25              | 41.55               | -48.47           | 90.02                       | 34.83                     | 34.19                         | 8.9                    | 36.37                      | 286                  | 45                      | A                       | V               |
|                                            |      | 5927.25              | 38.84               | -29.36           | 68.2                        | 32.15                     | 34.15                         | 8.92                   | 36.38                      | 286                  | 45                      | A                       | 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 173<br>5865MHz |      | 5629.5               | 47.82               | -20.38           | 68.2                        | 42.28                     | 33.15                         | 8.7                    | 36.31                      | 300                  | 30                      | P                       | H               |
|                                            |      | 5685.55              | 47.91               | -46.63           | 94.54                       | 42.06                     | 33.43                         | 8.74                   | 36.32                      | 300                  | 30                      | P                       | H               |
|                                            |      | 5716.525             | 46.37               | -63.46           | 109.83                      | 40.35                     | 33.58                         | 8.77                   | 36.33                      | 300                  | 30                      | P                       | H               |
|                                            |      | 5724.785             | 47.13               | -74.58           | 121.71                      | 41.06                     | 33.62                         | 8.78                   | 36.33                      | 300                  | 30                      | P                       | H               |
|                                            | *    | 5865                 | 99.34               | -                | -                           | 92.7                      | 34.13                         | 8.88                   | 36.37                      | 300                  | 30                      | P                       | H               |
|                                            | *    | 5865                 | 90.38               | -                | -                           | 83.74                     | 34.13                         | 8.88                   | 36.37                      | 300                  | 30                      | A                       | H               |
|                                            |      | 5896                 | 57.86               | -51.6            | 109.46                      | 51.15                     | 34.19                         | 8.9                    | 36.38                      | 300                  | 30                      | P                       | H               |
|                                            |      | 5926.5               | 47.59               | -40.61           | 88.2                        | 40.9                      | 34.15                         | 8.92                   | 36.38                      | 300                  | 30                      | P                       | H               |
|                                            |      | 5895.25              | 46.7                | -43.32           | 90.02                       | 39.98                     | 34.19                         | 8.9                    | 36.37                      | 300                  | 30                      | A                       | H               |
|                                            |      | 5925.25              | 38.91               | -29.29           | 68.2                        | 32.22                     | 34.15                         | 8.92                   | 36.38                      | 300                  | 30                      | A                       | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      | 5642.775             | 46.33               | -21.87           | 68.2                        | 40.72                     | 33.21                         | 8.71                   | 36.31                      | 300                  | 44                      | P                       | V               |
|                                            |      | 5690.27              | 47.35               | -50.68           | 98.03                       | 41.48                     | 33.45                         | 8.75                   | 36.33                      | 300                  | 44                      | P                       | V               |
|                                            |      | 5715.345             | 47.3                | -62.2            | 109.5                       | 41.28                     | 33.58                         | 8.77                   | 36.33                      | 300                  | 44                      | P                       | V               |
|                                            |      | 5723.015             | 47.08               | -70.6            | 117.68                      | 41.02                     | 33.62                         | 8.77                   | 36.33                      | 300                  | 44                      | P                       | V               |
|                                            | *    | 5865                 | 100.94              | -                | -                           | 94.3                      | 34.13                         | 8.88                   | 36.37                      | 300                  | 44                      | P                       | V               |
|                                            | *    | 5865                 | 92.05               | -                | -                           | 85.41                     | 34.13                         | 8.88                   | 36.37                      | 300                  | 44                      | A                       | V               |
|                                            |      | 5895.25              | 60.22               | -49.8            | 110.02                      | 53.5                      | 34.19                         | 8.9                    | 36.37                      | 300                  | 44                      | P                       | V               |
|                                            |      | 5928.25              | 49.63               | -38.57           | 88.2                        | 42.95                     | 34.14                         | 8.92                   | 36.38                      | 300                  | 44                      | P                       | V               |
|                                            |      | 5895.25              | 48.77               | -41.25           | 90.02                       | 42.05                     | 34.19                         | 8.9                    | 36.37                      | 300                  | 44                      | A                       | V               |
|                                            |      | 5925.5               | 39.47               | -28.73           | 68.2                        | 32.78                     | 34.15                         | 8.92                   | 36.38                      | 300                  | 44                      | A                       | 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 |                                                              | 5602.655             | 47.35               | -20.85           | 68.2                        | 41.97                     | 33.01                         | 8.67                   | 36.3                       | 329                  | 34                      | P                       | H               |
|                                            |                                                              | 5651.92              | 46.79               | -22.84           | 69.63                       | 41.14                     | 33.26                         | 8.71                   | 36.32                      | 329                  | 34                      | P                       | H               |
|                                            |                                                              | 5718.59              | 48.21               | -62.2            | 110.41                      | 42.18                     | 33.59                         | 8.77                   | 36.33                      | 329                  | 34                      | P                       | H               |
|                                            |                                                              | 5724.785             | 46.19               | -75.52           | 121.71                      | 40.12                     | 33.62                         | 8.78                   | 36.33                      | 329                  | 34                      | P                       | H               |
|                                            | *                                                            | 5885                 | 99.06               | -                | -                           | 92.37                     | 34.17                         | 8.89                   | 36.37                      | 329                  | 34                      | P                       | H               |
|                                            | *                                                            | 5885                 | 89.48               | -                | -                           | 82.79                     | 34.17                         | 8.89                   | 36.37                      | 329                  | 34                      | A                       | H               |
|                                            |                                                              | 5895                 | 86.4                | -23.8            | 110.2                       | 79.68                     | 34.19                         | 8.9                    | 36.37                      | 329                  | 34                      | P                       | H               |
|                                            |                                                              | 5928.75              | 52.84               | -35.36           | 88.2                        | 46.16                     | 34.14                         | 8.92                   | 36.38                      | 329                  | 34                      | P                       | H               |
|                                            |                                                              | 5895                 | 80.08               | -10.12           | 90.2                        | 73.36                     | 34.19                         | 8.9                    | 36.37                      | 329                  | 34                      | A                       | H               |
|                                            |                                                              | 5925                 | 42.12               | -26.08           | 68.2                        | 35.44                     | 34.15                         | 8.91                   | 36.38                      | 329                  | 34                      | A                       | H               |
|                                            |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                              | 5602.95              | 46.88               | -21.32           | 68.2                        | 41.5                      | 33.01                         | 8.67                   | 36.3                       | 143                  | 58                      | P                       | V               |
|                                            |                                                              | 5689.68              | 47.94               | -49.65           | 97.59                       | 42.07                     | 33.45                         | 8.75                   | 36.33                      | 143                  | 58                      | P                       | V               |
|                                            |                                                              | 5715.935             | 47.82               | -61.84           | 109.66                      | 41.8                      | 33.58                         | 8.77                   | 36.33                      | 143                  | 58                      | P                       | V               |
|                                            |                                                              | 5721.54              | 47.85               | -66.46           | 114.31                      | 41.8                      | 33.61                         | 8.77                   | 36.33                      | 143                  | 58                      | P                       | V               |
|                                            | *                                                            | 5885                 | 100.97              | -                | -                           | 94.28                     | 34.17                         | 8.89                   | 36.37                      | 143                  | 58                      | P                       | V               |
|                                            | *                                                            | 5885                 | 92.29               | -                | -                           | 85.6                      | 34.17                         | 8.89                   | 36.37                      | 143                  | 58                      | A                       | V               |
|                                            |                                                              | 5895                 | 89.99               | -20.21           | 110.2                       | 83.27                     | 34.19                         | 8.9                    | 36.37                      | 143                  | 58                      | P                       | V               |
|                                            |                                                              | 5929.25              | 56.18               | -32.02           | 88.2                        | 49.5                      | 34.14                         | 8.92                   | 36.38                      | 143                  | 58                      | P                       | V               |
|                                            |                                                              | 5895                 | 82.97               | -7.23            | 90.2                        | 76.25                     | 34.19                         | 8.9                    | 36.37                      | 143                  | 58                      | A                       | V               |
|                                            |                                                              | 5925.25              | 44.21               | -23.99           | 68.2                        | 37.52                     | 34.15                         | 8.92                   | 36.38                      | 143                  | 58                      | A                       | V               |
|                                            |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                              |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                     | 1. No other spurious found.                                  |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                            | 2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## UNII- 4 5850~5895MHz

## WIFI 802.11ax HE20\_Full (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 ) |
|--------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20 Full<br>CH 169<br>5845MHz |      | 11690                | 46.36               | -27.64           | 74                          | 52.18                     | 39.01                         | 13.2                   | 58.03                      | -                    | -                       | P                       | H               |
|                                            |      | 17535                | 46.83               | -21.37           | 68.2                        | 49.88                     | 39.79                         | 16.31                  | 59.15                      | -                    | -                       | P                       | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      | 11690                | 45.52               | -28.48           | 74                          | 51.34                     | 39.01                         | 13.2                   | 58.03                      | -                    | -                       | P                       | V               |
|                                            |      | 17535                | 46.42               | -21.78           | 68.2                        | 49.47                     | 39.79                         | 16.31                  | 59.15                      | -                    | -                       | P                       | 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>802.11ax<br/>HE20 Full<br/>CH 173<br/>5865MHz</b> |      | 11730                | 45.6                | -28.4            | 74                          | 51.38                     | 39.02                         | 13.21                  | 58.01                      | -                    | -                       | P                       | H               |
|                                                      |      | 17595                | 49.44               | -18.76           | 68.2                        | 52.15                     | 40.02                         | 16.32                  | 59.05                      | -                    | -                       | P                       | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      | 11730                | 45.53               | -28.47           | 74                          | 51.31                     | 39.02                         | 13.21                  | 58.01                      | -                    | -                       | P                       | V               |
|                                                      |      | 17595                | 51.94               | -16.26           | 68.2                        | 54.65                     | 40.02                         | 16.32                  | 59.05                      | -                    | -                       | P                       | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

[illegible]



## UNII- 4 5850~5895MHz

## WIFI 802.11ax HE20\_Partial 26 (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 26/0<br>CH 169<br>5845MHz |      | 5612.39              | 48.5                | -19.7            | 68.2                        | 43.07                     | 33.06                         | 8.68                   | 36.31                      | 321                  | 36                      | P                       | H               |
|                                                       |      | 5689.68              | 47.8                | -49.79           | 97.59                       | 41.93                     | 33.45                         | 8.75                   | 36.33                      | 321                  | 36                      | P                       | H               |
|                                                       |      | 5714.165             | 47.86               | -61.31           | 109.17                      | 41.85                     | 33.57                         | 8.77                   | 36.33                      | 321                  | 36                      | P                       | H               |
|                                                       |      | 5722.13              | 47.05               | -68.61           | 115.66                      | 41                        | 33.61                         | 8.77                   | 36.33                      | 321                  | 36                      | P                       | H               |
|                                                       | *    | 5845                 | 107.19              | -                | -                           | 100.59                    | 34.09                         | 8.87                   | 36.36                      | 321                  | 36                      | P                       | H               |
|                                                       | *    | 5845                 | 100.66              | -                | -                           | 94.06                     | 34.09                         | 8.87                   | 36.36                      | 321                  | 36                      | A                       | H               |
|                                                       |      | 5913.75              | 49.21               | -47.23           | 96.44                       | 42.51                     | 34.17                         | 8.91                   | 36.38                      | 321                  | 36                      | P                       | H               |
|                                                       |      | 5954.25              | 48.55               | -39.65           | 88.2                        | 41.92                     | 34.09                         | 8.93                   | 36.39                      | 321                  | 36                      | P                       | H               |
|                                                       |      | 5896.5               | 39.18               | -49.92           | 89.1                        | 32.47                     | 34.19                         | 8.9                    | 36.38                      | 321                  | 36                      | P                       | H               |
|                                                       |      | 5933.5               | 38.85               | -29.35           | 68.2                        | 32.18                     | 34.13                         | 8.92                   | 36.38                      | 321                  | 36                      | A                       | H               |
|                                                       |      | 5615.93              | 48.04               | -20.16           | 68.2                        | 42.59                     | 33.08                         | 8.68                   | 36.31                      | 100                  | 52                      | P                       | V               |
|                                                       |      | 5672.865             | 47.35               | -37.81           | 85.16                       | 41.58                     | 33.36                         | 8.73                   | 36.32                      | 100                  | 52                      | P                       | V               |
|                                                       |      | 5717.115             | 47.65               | -62.34           | 109.99                      | 41.62                     | 33.59                         | 8.77                   | 36.33                      | 100                  | 52                      | P                       | V               |
|                                                       |      | 5723.31              | 46.76               | -71.59           | 118.35                      | 40.7                      | 33.62                         | 8.77                   | 36.33                      | 100                  | 52                      | P                       | V               |
|                                                       | *    | 5845                 | 107.66              | -                | -                           | 101.06                    | 34.09                         | 8.87                   | 36.36                      | 100                  | 52                      | P                       | V               |
|                                                       | *    | 5845                 | 101.32              | -                | -                           | 94.72                     | 34.09                         | 8.87                   | 36.36                      | 100                  | 52                      | A                       | V               |
|                                                       |      | 5897.25              | 50.27               | -58.28           | 108.55                      | 43.56                     | 34.19                         | 8.9                    | 36.38                      | 100                  | 52                      | P                       | V               |
|                                                       |      | 5962.75              | 49.36               | -38.84           | 88.2                        | 42.74                     | 34.07                         | 8.94                   | 36.39                      | 100                  | 52                      | P                       | V               |
|                                                       |      | 5897.5               | 39.51               | -48.85           | 88.36                       | 32.8                      | 34.19                         | 8.9                    | 36.38                      | 100                  | 52                      | P                       | V               |
|                                                       |      | 5925                 | 39.06               | -29.14           | 68.2                        | 32.38                     | 34.15                         | 8.91                   | 36.38                      | 100                  | 52                      | 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<br>Partial 26/8<br>CH 177<br>5885MHz |                                                                                             | 5643.66              | 47.86               | -20.34           | 68.2                        | 42.24                     | 33.22                         | 8.71                   | 36.31                      | 400                  | 36                      | P                       | H               |
|                                                       |                                                                                             | 5697.645             | 47.83               | -55.63           | 103.46                      | 41.92                     | 33.49                         | 8.75                   | 36.33                      | 400                  | 36                      | P                       | H               |
|                                                       |                                                                                             | 5716.82              | 46.99               | -62.92           | 109.91                      | 40.97                     | 33.58                         | 8.77                   | 36.33                      | 400                  | 36                      | P                       | H               |
|                                                       |                                                                                             | 5724.49              | 46.14               | -74.9            | 121.04                      | 40.07                     | 33.62                         | 8.78                   | 36.33                      | 400                  | 36                      | P                       | H               |
|                                                       | *                                                                                           | 5885                 | 105.73              | -                | -                           | 99.04                     | 34.17                         | 8.89                   | 36.37                      | 400                  | 36                      | P                       | H               |
|                                                       | *                                                                                           | 5885                 | 99.55               | -                | -                           | 92.86                     | 34.17                         | 8.89                   | 36.37                      | 400                  | 36                      | A                       | H               |
|                                                       |                                                                                             | 5895                 | 82.01               | -28.19           | 110.2                       | 75.29                     | 34.19                         | 8.9                    | 36.37                      | 400                  | 36                      | P                       | H               |
|                                                       |                                                                                             | 5928.25              | 53.71               | -34.49           | 88.2                        | 47.03                     | 34.14                         | 8.92                   | 36.38                      | 400                  | 36                      | P                       | H               |
|                                                       |                                                                                             | 5895                 | 71.84               | -18.36           | 90.2                        | 65.12                     | 34.19                         | 8.9                    | 36.37                      | 400                  | 36                      | P                       | H               |
|                                                       |                                                                                             | 5925.5               | 44.34               | -23.86           | 68.2                        | 37.65                     | 34.15                         | 8.92                   | 36.38                      | 400                  | 36                      | A                       | H               |
|                                                       |                                                                                             | 5623.305             | 47.52               | -20.68           | 68.2                        | 42.02                     | 33.12                         | 8.69                   | 36.31                      | 126                  | 56                      | P                       | V               |
|                                                       |                                                                                             | 5684.96              | 47.7                | -46.4            | 94.1                        | 41.86                     | 33.42                         | 8.74                   | 36.32                      | 126                  | 56                      | P                       | V               |
|                                                       |                                                                                             | 5714.46              | 47.61               | -61.64           | 109.25                      | 41.6                      | 33.57                         | 8.77                   | 36.33                      | 126                  | 56                      | P                       | V               |
|                                                       |                                                                                             | 5724.195             | 47.27               | -73.09           | 120.36                      | 41.2                      | 33.62                         | 8.78                   | 36.33                      | 126                  | 56                      | P                       | V               |
|                                                       | *                                                                                           | 5885                 | 108.38              | -                | -                           | 101.69                    | 34.17                         | 8.89                   | 36.37                      | 126                  | 56                      | P                       | V               |
|                                                       | *                                                                                           | 5885                 | 101.15              | -                | -                           | 94.46                     | 34.17                         | 8.89                   | 36.37                      | 126                  | 56                      | A                       | V               |
|                                                       |                                                                                             | 5895                 | 82.81               | -27.39           | 110.2                       | 76.09                     | 34.19                         | 8.9                    | 36.37                      | 126                  | 56                      | P                       | V               |
|                                                       |                                                                                             | 5928                 | 60.81               | -27.39           | 88.2                        | 54.13                     | 34.14                         | 8.92                   | 36.38                      | 126                  | 56                      | P                       | V               |
|                                                       |                                                                                             | 5895                 | 73.25               | -16.95           | 90.2                        | 66.53                     | 34.19                         | 8.9                    | 36.37                      | 126                  | 56                      | P                       | V               |
|                                                       |                                                                                             | 5925.5               | 47.32               | -20.88           | 68.2                        | 40.63                     | 34.15                         | 8.92                   | 36.38                      | 126                  | 56                      | 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\_Partial 26 (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 ) |
|-------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20<br>Partial 26/4<br>CH 173<br>5865MHz |      | 11730                | 44.72               | -29.28           | 74                          | 50.5                      | 39.02                         | 13.21                  | 58.01                      | -                    | -                       | P                       | H               |
|                                                       |      | 17595                | 56.98               | -11.22           | 68.2                        | 59.69                     | 40.02                         | 16.32                  | 59.05                      | 384                  | 260                     | P                       | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                       |      | 11730                | 45.81               | -28.19           | 74                          | 51.59                     | 39.02                         | 13.21                  | 58.01                      | -                    | -                       | P                       | V               |
|                                                       |      | 17595                | 56.63               | -11.57           | 68.2                        | 59.34                     | 40.02                         | 16.32                  | 59.05                      | 100                  | 231                     | P                       | V               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                       |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |

[illegible]



## UNII-4 - 5850~5895MHz

## WIFI 802.11ax HE20\_Partial 52 (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>52/37<br>CH 169<br>5845MHz |      | 5624.78              | 48.1                | -20.1            | 68.2                        | 42.6                      | 33.12                         | 8.69                   | 36.31                      | 319                  | 36                      | P                       | H               |
|                                                           |      | 5693.22              | 47.63               | -52.57           | 100.2                       | 41.74                     | 33.47                         | 8.75                   | 36.33                      | 319                  | 36                      | P                       | H               |
|                                                           |      | 5708.855             | 48.12               | -59.56           | 107.68                      | 42.15                     | 33.54                         | 8.76                   | 36.33                      | 319                  | 36                      | P                       | H               |
|                                                           |      | 5725.08              | 47.25               | -86.95           | 134.2                       | 41.17                     | 33.63                         | 8.78                   | 36.33                      | 319                  | 36                      | P                       | H               |
|                                                           | *    | 5845                 | 105.93              | -                | -                           | 99.33                     | 34.09                         | 8.87                   | 36.36                      | 319                  | 36                      | P                       | H               |
|                                                           | *    | 5845                 | 98.45               | -                | -                           | 91.85                     | 34.09                         | 8.87                   | 36.36                      | 319                  | 36                      | A                       | H               |
|                                                           |      | 5898                 | 49.45               | -58.54           | 107.99                      | 42.73                     | 34.2                          | 8.9                    | 36.38                      | 319                  | 36                      | P                       | H               |
|                                                           |      | 5938                 | 48.59               | -39.61           | 88.2                        | 41.94                     | 34.12                         | 8.92                   | 36.39                      | 319                  | 36                      | P                       | H               |
|                                                           |      | 5895                 | 39.55               | -50.65           | 90.2                        | 32.83                     | 34.19                         | 8.9                    | 36.37                      | 319                  | 36                      | P                       | H               |
|                                                           |      | 5932.5               | 38.96               | -29.24           | 68.2                        | 32.28                     | 34.14                         | 8.92                   | 36.38                      | 319                  | 36                      | A                       | H               |
|                                                           |      | 5643.07              | 47.67               | -20.53           | 68.2                        | 42.05                     | 33.22                         | 8.71                   | 36.31                      | 100                  | 52                      | P                       | V               |
|                                                           |      | 5689.975             | 48.34               | -49.47           | 97.81                       | 42.47                     | 33.45                         | 8.75                   | 36.33                      | 100                  | 52                      | P                       | V               |
|                                                           |      | 5701.775             | 47.65               | -58.05           | 105.7                       | 41.71                     | 33.51                         | 8.76                   | 36.33                      | 100                  | 52                      | P                       | V               |
|                                                           |      | 5722.72              | 47.15               | -69.85           | 117                         | 41.1                      | 33.61                         | 8.77                   | 36.33                      | 100                  | 52                      | P                       | V               |
|                                                           | *    | 5845                 | 107.27              | -                | -                           | 100.67                    | 34.09                         | 8.87                   | 36.36                      | 100                  | 52                      | P                       | V               |
|                                                           | *    | 5845                 | 98.82               | -                | -                           | 92.22                     | 34.09                         | 8.87                   | 36.36                      | 100                  | 52                      | A                       | V               |
|                                                           |      | 5896.5               | 49.97               | -59.13           | 109.1                       | 43.26                     | 34.19                         | 8.9                    | 36.38                      | 100                  | 52                      | P                       | V               |
|                                                           |      | 5970.75              | 48.53               | -39.67           | 88.2                        | 41.92                     | 34.06                         | 8.94                   | 36.39                      | 100                  | 52                      | P                       | V               |
|                                                           |      | 5896.5               | 39.74               | -49.36           | 89.1                        | 33.03                     | 34.19                         | 8.9                    | 36.38                      | 100                  | 52                      | P                       | V               |
|                                                           |      | 5925.25              | 39                  | -29.2            | 68.2                        | 32.31                     | 34.15                         | 8.92                   | 36.38                      | 100                  | 52                      | 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<br/>HE20<br/>Partial<br/>52/40<br/>CH 177<br/>5885MHz</b> |                                                                                             | 5617.995             | 47.16               | -21.04           | 68.2                        | 41.69                     | 33.09                         | 8.69                   | 36.31                      | 400                  | 34                      | P                       | H               |
|                                                                       |                                                                                             | 5673.16              | 47.42               | -37.96           | 85.38                       | 41.64                     | 33.37                         | 8.73                   | 36.32                      | 400                  | 34                      | P                       | H               |
|                                                                       |                                                                                             | 5720.065             | 47.76               | -63.19           | 110.95                      | 41.72                     | 33.6                          | 8.77                   | 36.33                      | 400                  | 34                      | P                       | H               |
|                                                                       |                                                                                             | 5720.065             | 47.76               | -63.19           | 110.95                      | 41.72                     | 33.6                          | 8.77                   | 36.33                      | 400                  | 34                      | P                       | H               |
|                                                                       | *                                                                                           | 5885                 | 104.74              | -                | -                           | 98.05                     | 34.17                         | 8.89                   | 36.37                      | 400                  | 34                      | P                       | H               |
|                                                                       | *                                                                                           | 5885                 | 97.06               | -                | -                           | 90.37                     | 34.17                         | 8.89                   | 36.37                      | 400                  | 34                      | A                       | H               |
|                                                                       |                                                                                             | 5895                 | 80.32               | -29.88           | 110.2                       | 73.6                      | 34.19                         | 8.9                    | 36.37                      | 400                  | 34                      | P                       | H               |
|                                                                       |                                                                                             | 5925                 | 54.14               | -34.06           | 88.2                        | 47.46                     | 34.15                         | 8.91                   | 36.38                      | 400                  | 34                      | P                       | H               |
|                                                                       |                                                                                             | 5895                 | 70.3                | -19.9            | 90.2                        | 63.58                     | 34.19                         | 8.9                    | 36.37                      | 400                  | 34                      | P                       | H               |
|                                                                       |                                                                                             | 5925                 | 41.76               | -26.44           | 68.2                        | 35.08                     | 34.15                         | 8.91                   | 36.38                      | 400                  | 34                      | A                       | H               |
|                                                                       |                                                                                             | 5635.4               | 47.89               | -20.31           | 68.2                        | 42.32                     | 33.18                         | 8.7                    | 36.31                      | 134                  | 59                      | P                       | V               |
|                                                                       |                                                                                             | 5694.105             | 48.96               | -51.89           | 100.85                      | 43.07                     | 33.47                         | 8.75                   | 36.33                      | 134                  | 59                      | P                       | V               |
|                                                                       |                                                                                             | 5704.725             | 47.35               | -59.17           | 106.52                      | 41.4                      | 33.52                         | 8.76                   | 36.33                      | 134                  | 59                      | P                       | V               |
|                                                                       |                                                                                             | 5724.195             | 48.51               | -71.85           | 120.36                      | 42.44                     | 33.62                         | 8.78                   | 36.33                      | 134                  | 59                      | P                       | V               |
|                                                                       | *                                                                                           | 5885                 | 105.81              | -                | -                           | 99.12                     | 34.17                         | 8.89                   | 36.37                      | 134                  | 59                      | P                       | V               |
|                                                                       | *                                                                                           | 5885                 | 98.64               | -                | -                           | 91.95                     | 34.17                         | 8.89                   | 36.37                      | 134                  | 59                      | A                       | V               |
|                                                                       |                                                                                             | 5895                 | 81.82               | -28.38           | 110.2                       | 75.1                      | 34.19                         | 8.9                    | 36.37                      | 134                  | 59                      | P                       | V               |
|                                                                       |                                                                                             | 5928.25              | 52.63               | -35.57           | 88.2                        | 45.95                     | 34.14                         | 8.92                   | 36.38                      | 134                  | 59                      | P                       | V               |
|                                                                       |                                                                                             | 5895                 | 72.07               | -18.13           | 90.2                        | 65.35                     | 34.19                         | 8.9                    | 36.37                      | 134                  | 59                      | P                       | V               |
|                                                                       |                                                                                             | 5925.5               | 43.6                | -24.6            | 68.2                        | 36.91                     | 34.15                         | 8.92                   | 36.38                      | 134                  | 59                      | A                       | V               |
| <b>Remark</b>                                                         | 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\_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>106/53<br>CH 169<br>5845MHz |      | 5637.465             | 47.55               | -20.65           | 68.2                        | 41.97                     | 33.19                         | 8.7                    | 36.31                      | 315                  | 40                      | P                       | H               |
|                                                            |      | 5673.455             | 47.22               | -38.38           | 85.6                        | 41.44                     | 33.37                         | 8.73                   | 36.32                      | 315                  | 40                      | P                       | H               |
|                                                            |      | 5703.84              | 47.22               | -59.06           | 106.28                      | 41.27                     | 33.52                         | 8.76                   | 36.33                      | 315                  | 40                      | P                       | H               |
|                                                            |      | 5722.72              | 47.04               | -69.96           | 117                         | 40.99                     | 33.61                         | 8.77                   | 36.33                      | 315                  | 40                      | P                       | H               |
|                                                            | *    | 5845                 | 103.74              | -                | -                           | 97.14                     | 34.09                         | 8.87                   | 36.36                      | 315                  | 40                      | P                       | H               |
|                                                            | *    | 5845                 | 95.4                | -                | -                           | 88.8                      | 34.09                         | 8.87                   | 36.36                      | 315                  | 40                      | A                       | H               |
|                                                            |      | 5895.5               | 51.23               | -58.6            | 109.83                      | 44.51                     | 34.19                         | 8.9                    | 36.37                      | 315                  | 40                      | P                       | H               |
|                                                            |      | 5987.5               | 49.16               | -39.04           | 88.2                        | 42.58                     | 34.03                         | 8.95                   | 36.4                       | 315                  | 40                      | P                       | H               |
|                                                            |      | 5895.5               | 39.5                | -50.33           | 89.83                       | 32.78                     | 34.19                         | 8.9                    | 36.37                      | 315                  | 40                      | P                       | H               |
|                                                            |      | 5935.75              | 38.86               | -29.34           | 68.2                        | 32.19                     | 34.13                         | 8.92                   | 36.38                      | 315                  | 40                      | A                       | H               |
|                                                            |      | 5612.98              | 47.36               | -20.84           | 68.2                        | 41.93                     | 33.06                         | 8.68                   | 36.31                      | 100                  | 51                      | P                       | V               |
|                                                            |      | 5693.22              | 47.69               | -52.51           | 100.2                       | 41.8                      | 33.47                         | 8.75                   | 36.33                      | 100                  | 51                      | P                       | V               |
|                                                            |      | 5701.185             | 48.31               | -57.22           | 105.53                      | 42.37                     | 33.51                         | 8.76                   | 36.33                      | 100                  | 51                      | P                       | V               |
|                                                            |      | 5724.49              | 46.54               | -74.5            | 121.04                      | 40.47                     | 33.62                         | 8.78                   | 36.33                      | 100                  | 51                      | P                       | V               |
|                                                            | *    | 5845                 | 105.32              | -                | -                           | 98.72                     | 34.09                         | 8.87                   | 36.36                      | 100                  | 51                      | P                       | V               |
|                                                            | *    | 5845                 | 95.78               | -                | -                           | 89.18                     | 34.09                         | 8.87                   | 36.36                      | 100                  | 51                      | A                       | V               |
|                                                            |      | 5895.5               | 48.71               | -61.12           | 109.83                      | 41.99                     | 34.19                         | 8.9                    | 36.37                      | 100                  | 51                      | P                       | V               |
|                                                            |      | 5950.75              | 48.52               | -39.68           | 88.2                        | 41.88                     | 34.1                          | 8.93                   | 36.39                      | 100                  | 51                      | P                       | V               |
|                                                            |      | 5899.25              | 39.52               | -47.56           | 87.08                       | 32.8                      | 34.2                          | 8.9                    | 36.38                      | 100                  | 51                      | P                       | V               |
|                                                            |      | 5927.75              | 38.96               | -29.24           | 68.2                        | 32.28                     | 34.14                         | 8.92                   | 36.38                      | 100                  | 51                      | 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<br>Partial<br>106/54<br>CH 177<br>5885MHz |                                                                                             | 5606.785             | 46.77               | -21.43           | 68.2                        | 41.37                     | 33.03                         | 8.68                   | 36.31                      | 400                  | 36                      | P                       | H               |
|                                                            |                                                                                             | 5696.465             | 48.68               | -53.91           | 102.59                      | 42.78                     | 33.48                         | 8.75                   | 36.33                      | 400                  | 36                      | P                       | H               |
|                                                            |                                                                                             | 5706.79              | 46.68               | -60.42           | 107.1                       | 40.72                     | 33.53                         | 8.76                   | 36.33                      | 400                  | 36                      | P                       | H               |
|                                                            |                                                                                             | 5721.245             | 46.7                | -66.94           | 113.64                      | 40.65                     | 33.61                         | 8.77                   | 36.33                      | 400                  | 36                      | P                       | H               |
|                                                            | *                                                                                           | 5885                 | 101.66              | -                | -                           | 94.97                     | 34.17                         | 8.89                   | 36.37                      | 400                  | 36                      | P                       | H               |
|                                                            | *                                                                                           | 5885                 | 94.03               | -                | -                           | 87.34                     | 34.17                         | 8.89                   | 36.37                      | 400                  | 36                      | A                       | H               |
|                                                            |                                                                                             | 5895                 | 79.93               | -30.27           | 110.2                       | 73.21                     | 34.19                         | 8.9                    | 36.37                      | 400                  | 36                      | P                       | H               |
|                                                            |                                                                                             | 5925.75              | 51.45               | -36.75           | 88.2                        | 44.76                     | 34.15                         | 8.92                   | 36.38                      | 400                  | 36                      | P                       | H               |
|                                                            |                                                                                             | 5895                 | 68.03               | -22.17           | 90.2                        | 61.31                     | 34.19                         | 8.9                    | 36.37                      | 400                  | 36                      | P                       | H               |
|                                                            |                                                                                             | 5925.5               | 39.53               | -28.67           | 68.2                        | 32.84                     | 34.15                         | 8.92                   | 36.38                      | 400                  | 36                      | A                       | H               |
|                                                            |                                                                                             | 5635.99              | 47.55               | -20.65           | 68.2                        | 41.98                     | 33.18                         | 8.7                    | 36.31                      | 124                  | 58                      | P                       | V               |
|                                                            |                                                                                             | 5673.455             | 47.29               | -38.31           | 85.6                        | 41.51                     | 33.37                         | 8.73                   | 36.32                      | 124                  | 58                      | P                       | V               |
|                                                            |                                                                                             | 5718                 | 47.43               | -62.81           | 110.24                      | 41.4                      | 33.59                         | 8.77                   | 36.33                      | 124                  | 58                      | P                       | V               |
|                                                            |                                                                                             | 5723.605             | 46.27               | -72.75           | 119.02                      | 40.2                      | 33.62                         | 8.78                   | 36.33                      | 124                  | 58                      | P                       | V               |
|                                                            | *                                                                                           | 5885                 | 104.53              | -                | -                           | 97.84                     | 34.17                         | 8.89                   | 36.37                      | 124                  | 58                      | P                       | V               |
|                                                            | *                                                                                           | 5885                 | 95.66               | -                | -                           | 88.97                     | 34.17                         | 8.89                   | 36.37                      | 124                  | 58                      | A                       | V               |
|                                                            |                                                                                             | 5895                 | 79.49               | -30.71           | 110.2                       | 72.77                     | 34.19                         | 8.9                    | 36.37                      | 124                  | 58                      | P                       | V               |
|                                                            |                                                                                             | 5926.5               | 53.07               | -35.13           | 88.2                        | 46.38                     | 34.15                         | 8.92                   | 36.38                      | 124                  | 58                      | P                       | V               |
|                                                            |                                                                                             | 5895                 | 79.46               | -10.74           | 90.2                        | 72.74                     | 34.19                         | 8.9                    | 36.37                      | 124                  | 58                      | P                       | V               |
|                                                            |                                                                                             | 5925                 | 40.2                | -28              | 68.2                        | 33.52                     | 34.15                         | 8.91                   | 36.38                      | 124                  | 58                      | 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 ) |
|--------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40 Full<br>CH 167<br>5835MHz |      | 5646.61              | 46.82               | -21.38           | 68.2                        | 41.2                      | 33.23                         | 8.71                   | 36.32                      | 316                  | 40                      | P                       | H               |
|                                            |      | 5682.305             | 48.94               | -43.2            | 92.14                       | 43.11                     | 33.41                         | 8.74                   | 36.32                      | 316                  | 40                      | P                       | H               |
|                                            |      | 5718.295             | 49.29               | -61.03           | 110.32                      | 43.26                     | 33.59                         | 8.77                   | 36.33                      | 316                  | 40                      | P                       | H               |
|                                            |      | 5723.605             | 47.92               | -71.1            | 119.02                      | 41.85                     | 33.62                         | 8.78                   | 36.33                      | 316                  | 40                      | P                       | H               |
|                                            | *    | 5835                 | 98.76               | -                | -                           | 92.19                     | 34.07                         | 8.86                   | 36.36                      | 316                  | 40                      | P                       | H               |
|                                            | *    | 5835                 | 89.31               | -                | -                           | 82.74                     | 34.07                         | 8.86                   | 36.36                      | 316                  | 40                      | A                       | H               |
|                                            |      | 5900.25              | 55.97               | -50.37           | 106.34                      | 49.25                     | 34.2                          | 8.9                    | 36.38                      | 316                  | 40                      | P                       | H               |
|                                            |      | 5927.75              | 53.05               | -35.15           | 88.2                        | 46.37                     | 34.14                         | 8.92                   | 36.38                      | 316                  | 40                      | P                       | H               |
|                                            |      | 5895.75              | 46.66               | -42.99           | 89.65                       | 39.94                     | 34.19                         | 8.9                    | 36.37                      | 316                  | 40                      | A                       | H               |
|                                            |      | 5925                 | 41.07               | -27.13           | 68.2                        | 34.39                     | 34.15                         | 8.91                   | 36.38                      | 316                  | 40                      | A                       | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |      | 5635.99              | 47.4                | -20.8            | 68.2                        | 41.83                     | 33.18                         | 8.7                    | 36.31                      | 100                  | 54                      | P                       | V               |
|                                            |      | 5663.425             | 47.48               | -30.69           | 78.17                       | 41.76                     | 33.32                         | 8.72                   | 36.32                      | 100                  | 54                      | P                       | V               |
|                                            |      | 5707.38              | 48.86               | -58.41           | 107.27                      | 42.89                     | 33.54                         | 8.76                   | 36.33                      | 100                  | 54                      | P                       | V               |
|                                            |      | 5722.72              | 49.21               | -67.79           | 117                         | 43.16                     | 33.61                         | 8.77                   | 36.33                      | 100                  | 54                      | P                       | V               |
|                                            | *    | 5835                 | 98.91               | -                | -                           | 92.34                     | 34.07                         | 8.86                   | 36.36                      | 100                  | 54                      | P                       | V               |
|                                            | *    | 5835                 | 89.72               | -                | -                           | 83.15                     | 34.07                         | 8.86                   | 36.36                      | 100                  | 54                      | A                       | V               |
|                                            |      | 5896.5               | 56.03               | -53.07           | 109.1                       | 49.32                     | 34.19                         | 8.9                    | 36.38                      | 100                  | 54                      | P                       | V               |
|                                            |      | 5925.75              | 52.05               | -36.15           | 88.2                        | 45.36                     | 34.15                         | 8.92                   | 36.38                      | 100                  | 54                      | P                       | V               |
|                                            |      | 5895.5               | 47.68               | -42.15           | 89.83                       | 40.96                     | 34.19                         | 8.9                    | 36.37                      | 100                  | 54                      | A                       | V               |
|                                            |      | 5925.75              | 41.93               | -26.27           | 68.2                        | 35.24                     | 34.15                         | 8.92                   | 36.38                      | 100                  | 54                      | A                       | 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>HE40 Full<br>CH 175<br>5875MHz |                                                                                             | 5607.965             | 47                  | -21.2            | 68.2                        | 41.59                     | 33.04                         | 8.68                   | 36.31                      | 381                  | 35                      | P                       | H               |
|                                            |                                                                                             | 5650.445             | 47.18               | -21.35           | 68.53                       | 41.54                     | 33.25                         | 8.71                   | 36.32                      | 381                  | 35                      | P                       | H               |
|                                            |                                                                                             | 5702.365             | 48.34               | -57.52           | 105.86                      | 42.4                      | 33.51                         | 8.76                   | 36.33                      | 381                  | 35                      | P                       | H               |
|                                            |                                                                                             | 5720.655             | 46.62               | -65.67           | 112.29                      | 40.58                     | 33.6                          | 8.77                   | 36.33                      | 381                  | 35                      | P                       | H               |
|                                            | *                                                                                           | 5875                 | 98.06               | -                | -                           | 91.39                     | 34.15                         | 8.89                   | 36.37                      | 381                  | 35                      | P                       | H               |
|                                            | *                                                                                           | 5875                 | 87.69               | -                | -                           | 81.02                     | 34.15                         | 8.89                   | 36.37                      | 381                  | 35                      | A                       | H               |
|                                            |                                                                                             | 5895                 | 74.5                | -35.7            | 110.2                       | 67.78                     | 34.19                         | 8.9                    | 36.37                      | 381                  | 35                      | P                       | H               |
|                                            |                                                                                             | 5925.25              | 59.02               | -29.18           | 88.2                        | 52.33                     | 34.15                         | 8.92                   | 36.38                      | 381                  | 35                      | P                       | H               |
|                                            |                                                                                             | 5895                 | 65.19               | -25.01           | 90.2                        | 58.47                     | 34.19                         | 8.9                    | 36.37                      | 381                  | 35                      | A                       | H               |
|                                            |                                                                                             | 5925                 | 49.91               | -18.29           | 68.2                        | 43.23                     | 34.15                         | 8.91                   | 36.38                      | 381                  | 35                      | A                       | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             | 5615.045             | 46.86               | -21.34           | 68.2                        | 41.41                     | 33.08                         | 8.68                   | 36.31                      | 122                  | 59                      | P                       | V               |
|                                            |                                                                                             | 5691.155             | 47.6                | -51.08           | 98.68                       | 41.72                     | 33.46                         | 8.75                   | 36.33                      | 122                  | 59                      | P                       | V               |
|                                            |                                                                                             | 5714.755             | 47.37               | -61.96           | 109.33                      | 41.36                     | 33.57                         | 8.77                   | 36.33                      | 122                  | 59                      | P                       | V               |
|                                            |                                                                                             | 5720.95              | 46.28               | -66.69           | 112.97                      | 40.24                     | 33.6                          | 8.77                   | 36.33                      | 122                  | 59                      | P                       | V               |
|                                            | *                                                                                           | 5875                 | 100.73              | -                | -                           | 94.06                     | 34.15                         | 8.89                   | 36.37                      | 122                  | 59                      | P                       | V               |
|                                            | *                                                                                           | 5875                 | 89.36               | -                | -                           | 82.69                     | 34.15                         | 8.89                   | 36.37                      | 122                  | 59                      | A                       | V               |
|                                            |                                                                                             | 5895                 | 76.32               | -33.88           | 110.2                       | 69.6                      | 34.19                         | 8.9                    | 36.37                      | 122                  | 59                      | P                       | V               |
|                                            |                                                                                             | 5926.25              | 61.94               | -26.26           | 88.2                        | 55.25                     | 34.15                         | 8.92                   | 36.38                      | 122                  | 59                      | P                       | V               |
|                                            |                                                                                             | 5895                 | 67.31               | -22.89           | 90.2                        | 60.59                     | 34.19                         | 8.9                    | 36.37                      | 122                  | 59                      | A                       | V               |
|                                            |                                                                                             | 5925                 | 52.71               | -15.49           | 68.2                        | 46.03                     | 34.15                         | 8.91                   | 36.38                      | 122                  | 59                      | A                       | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | 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 |                                                                                             | 5607.67              | 47.78               | -20.42           | 68.2                        | 42.37                     | 33.04                         | 8.68                   | 36.31                      | 151                  | 33                      | P                       | H               |
|                                            |                                                                                             | 5662.245             | 51.63               | -25.66           | 77.29                       | 45.92                     | 33.31                         | 8.72                   | 36.32                      | 151                  | 33                      | P                       | H               |
|                                            |                                                                                             | 5708.855             | 49.99               | -57.69           | 107.68                      | 44.02                     | 33.54                         | 8.76                   | 36.33                      | 151                  | 33                      | P                       | H               |
|                                            |                                                                                             | 5723.605             | 49.74               | -69.28           | 119.02                      | 43.67                     | 33.62                         | 8.78                   | 36.33                      | 151                  | 33                      | P                       | H               |
|                                            | *                                                                                           | 5855                 | 91.63               | -                | -                           | 85.02                     | 34.11                         | 8.87                   | 36.37                      | 151                  | 33                      | P                       | H               |
|                                            | *                                                                                           | 5855                 | 83.06               | -                | -                           | 76.45                     | 34.11                         | 8.87                   | 36.37                      | 151                  | 33                      | A                       | H               |
|                                            |                                                                                             | 5895                 | 69.27               | -40.93           | 110.2                       | 62.55                     | 34.19                         | 8.9                    | 36.37                      | 151                  | 33                      | P                       | H               |
|                                            |                                                                                             | 5933                 | 60.15               | -28.05           | 88.2                        | 53.48                     | 34.13                         | 8.92                   | 36.38                      | 151                  | 33                      | P                       | H               |
|                                            |                                                                                             | 5895                 | 60.99               | -29.21           | 90.2                        | 54.27                     | 34.19                         | 8.9                    | 36.37                      | 151                  | 33                      | A                       | H               |
|                                            |                                                                                             | 5925.25              | 50.46               | -17.74           | 68.2                        | 43.77                     | 34.15                         | 8.92                   | 36.38                      | 151                  | 33                      | A                       | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                            |                                                                                             | 5625.37              | 47.96               | -20.24           | 68.2                        | 42.45                     | 33.13                         | 8.69                   | 36.31                      | 118                  | 57                      | P                       | V               |
|                                            |                                                                                             | 5697.055             | 51.59               | -51.44           | 103.03                      | 45.68                     | 33.49                         | 8.75                   | 36.33                      | 118                  | 57                      | P                       | V               |
|                                            |                                                                                             | 5715.64              | 52.65               | -56.93           | 109.58                      | 46.63                     | 33.58                         | 8.77                   | 36.33                      | 118                  | 57                      | P                       | V               |
|                                            |                                                                                             | 5723.9               | 50.89               | -68.8            | 119.69                      | 44.82                     | 33.62                         | 8.78                   | 36.33                      | 118                  | 57                      | P                       | V               |
|                                            | *                                                                                           | 5855                 | 95.93               | -                | -                           | 89.32                     | 34.11                         | 8.87                   | 36.37                      | 118                  | 57                      | P                       | V               |
|                                            | *                                                                                           | 5855                 | 86.12               | -                | -                           | 79.51                     | 34.11                         | 8.87                   | 36.37                      | 118                  | 57                      | A                       | V               |
|                                            |                                                                                             | 5895                 | 71.6                | -38.6            | 110.2                       | 64.88                     | 34.19                         | 8.9                    | 36.37                      | 118                  | 57                      | P                       | V               |
|                                            |                                                                                             | 5931.25              | 64.11               | -24.09           | 88.2                        | 57.43                     | 34.14                         | 8.92                   | 36.38                      | 118                  | 57                      | P                       | V               |
|                                            |                                                                                             | 5895                 | 63.65               | -26.55           | 90.2                        | 56.93                     | 34.19                         | 8.9                    | 36.37                      | 118                  | 57                      | A                       | V               |
|                                            |                                                                                             | 5925.25              | 53.2                | -15              | 68.2                        | 46.51                     | 34.15                         | 8.92                   | 36.38                      | 118                  | 57                      | A                       | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                            |                                                                                             |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         | 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)

| WIFI<br>Ant.<br>1                          | Note | Frequency<br><br>( MHz ) | Level<br><br>( dBμV/m ) | Margin<br><br>( dB ) | Limit<br>Line<br><br>( dBμV/m ) | Read<br>Level<br><br>( dBμV ) | Antenna<br>Factor<br><br>( dB/m ) | Path<br>Loss<br><br>( dB ) | Preamp<br>Factor<br><br>( dB ) | Ant<br>Pos<br><br>( cm ) | Table<br>Pos<br><br>( deg ) | Peak<br>Avg.<br><br>( P/A ) | Pol.<br><br>( H/V ) |
|--------------------------------------------|------|--------------------------|-------------------------|----------------------|---------------------------------|-------------------------------|-----------------------------------|----------------------------|--------------------------------|--------------------------|-----------------------------|-----------------------------|---------------------|
| 802.11ax<br>HE80 Full<br>CH 171<br>5855MHz |      | 11710                    | 45.77                   | -28.23               | 74                              | 51.58                         | 39.01                             | 13.2                       | 58.02                          | -                        | -                           | P                           | H                   |
|                                            |      | 17565                    | 47.81                   | -20.39               | 68.2                            | 50.69                         | 39.9                              | 16.32                      | 59.1                           | -                        | -                           | P                           | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             | H                   |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             | H                           |                     |
|                                            |      |                          |                         |                      |                                 |                               |                                   |                            |                                |                          |                             |                             |                     |

## Emission above 18GHz

## WIFI 802.11ax HE20\_Full (SHF @ 1m)

| WIFI                         | Note | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |      |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ax<br>HE20_Full<br>SHF |      | 39565     | 47.75      | -26.25 | 74         | 59.96  | 44.51    | -0.3   | 56.42  | -      | -       | P     | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |      | 39840.5   | 47.88      | -26.12 | 74         | 59.51  | 44.7     | -0.24  | 56.09  | -      | -       | P     | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         | V     |       |
|                              |      |           |            |        |            |        |          |        |        |        |         |       |       |

## Emission below 1GHz

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

| WIFI                        | Note                                                                                                                                                               | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                        |                                                                                                                                                                    |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                           |                                                                                                                                                                    | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ax<br>HE20_Full<br>LF |                                                                                                                                                                    | 82.56     | 25.67      | -14.33 | 40         | 43.08  | 13.74    | 1.21   | 32.36  | -      | -       | P     | H     |
|                             |                                                                                                                                                                    | 166.08    | 27.39      | -16.11 | 43.5       | 42.1   | 15.94    | 1.72   | 32.37  | -      | -       | P     | H     |
|                             |                                                                                                                                                                    | 185.88    | 27.23      | -16.27 | 43.5       | 42.97  | 14.79    | 1.83   | 32.36  | -      | -       | P     | H     |
|                             |                                                                                                                                                                    | 704.54    | 33.42      | -12.58 | 46         | 36.42  | 26.11    | 3.17   | 32.28  | -      | -       | P     | H     |
|                             |                                                                                                                                                                    | 851.48    | 30.48      | -15.52 | 46         | 30.34  | 28.48    | 3.47   | 31.81  | -      | -       | P     | H     |
|                             |                                                                                                                                                                    | 930.48    | 32.15      | -13.85 | 46         | 30.77  | 28.91    | 3.69   | 31.22  | -      | -       | P     | H     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                                                                                                                    | 30.36     | 30.88      | -9.12  | 40         | 37.97  | 24.51    | 0.72   | 32.32  | -      | -       | P     | V     |
|                             |                                                                                                                                                                    | 42.78     | 32.78      | -7.22  | 40         | 45.94  | 18.3     | 0.86   | 32.32  | -      | -       | P     | V     |
|                             |                                                                                                                                                                    | 187.86    | 25.34      | -18.16 | 43.5       | 41.09  | 14.77    | 1.83   | 32.35  | -      | -       | P     | V     |
|                             |                                                                                                                                                                    | 847.53    | 30.3       | -15.7  | 46         | 30.37  | 28.29    | 3.47   | 31.83  | -      | -       | P     | V     |
|                             |                                                                                                                                                                    | 932.06    | 31.79      | -14.21 | 46         | 30.13  | 29.16    | 3.7    | 31.2   | -      | -       | P     | V     |
|                             |                                                                                                                                                                    | 956.55    | 32.83      | -13.17 | 46         | 30.25  | 29.78    | 3.76   | 30.96  | -      | -       | P     | V     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark                      | 1. No other spurious found.                                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       |       |
|                             | 2. All results are PASS against limit line.                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       |       |
|                             | 3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only. |           |            |        |            |        |          |        |        |        |         |       |       |
|                             |                                                                                                                                                                    |           |            |        |            |        |          |        |        |        |         |       |       |



**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</b> line.                                                                                                                       |
| P/A | <b>Peak</b> or <b>Average</b>                                                                                                                            |
| H/V | <b>Horizontal</b> or <b>Vertical</b>                                                                                                                     |



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

| 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 149<br>5745MHz |      | 5650                 | 55.45               | -12.75           | 68.2                        | 54.51                     | 32.22                         | 4.58                   | 35.86                      | 103                  | 308                     | P                       | H               |

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

**For Peak Limit @ 5650MHz:**

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(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 68.2(dBμV/m)  
= -12.75 (dB)

**Peak measured complies with the limit line, so test result is “PASS”.**



## Appendix D. Radiated Spurious Emission Plots

|                 |                                          |                     |             |
|-----------------|------------------------------------------|---------------------|-------------|
| Test Engineer : | Daniel Lee, Quentin Liu and Bigshow Wang | Temperature :       | 21.1~23.4°C |
|                 |                                          | Relative Humidity : | 48~58%      |

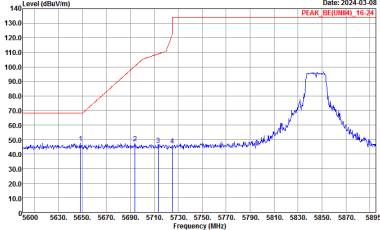
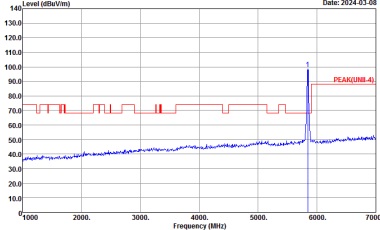
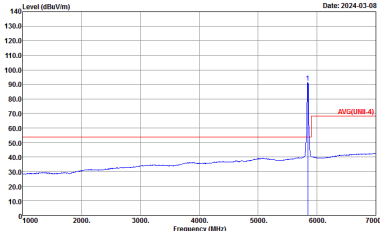
### Note symbol

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

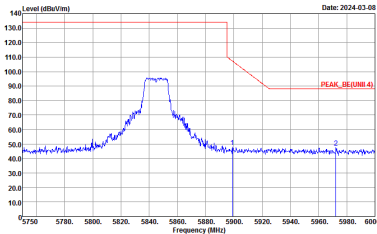
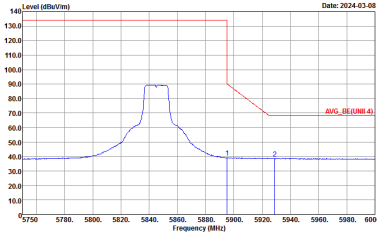


## UNII-4 - 5850~5895MHz

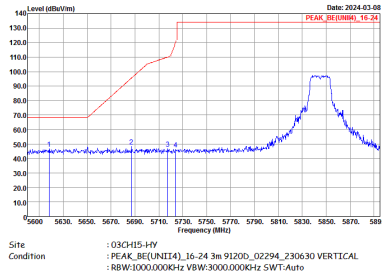
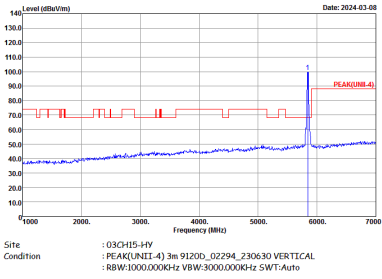
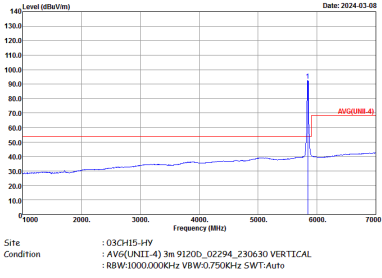
## WIFI 802.11a (Band Edge @ 3m)

| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH169 5845MHz - L                                                                                                                                                                                                      |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

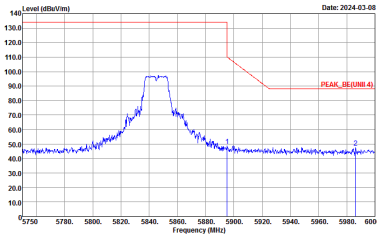
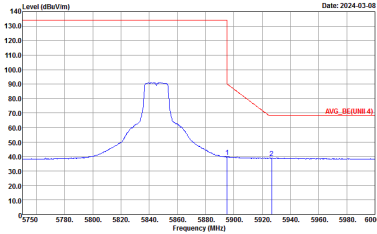


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH169 5845MHz - R                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.750kHz 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 : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                    |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

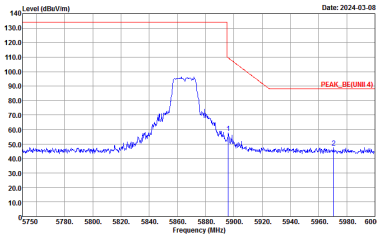
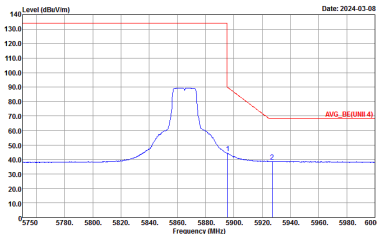


|      |                                                                                                                                                                                                                                   |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                               |             |
| ANT  | 802.11a CH169 5845MHz - R                                                                                                                                                                                                         |             |
| 1    | Vertical                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p></div>   | Left blank  |

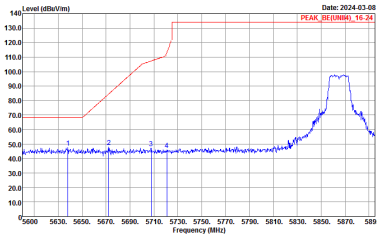
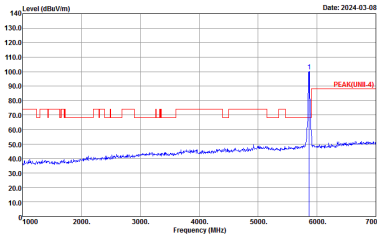
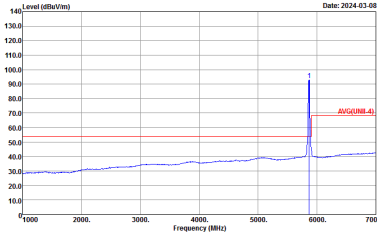


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                         |                                                                                                                                    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH173 5865MHz - L                                                                                                                   |                                                                                                                                    |
| 1    | Horizontal                                                                                                                                  | Fundamental                                                                                                                        |
| Peak | <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_15-24 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                  | <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>     |

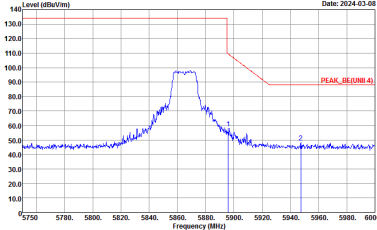
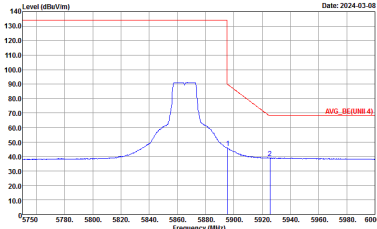


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                       |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH173 5865MHz – R                                                                                                                                                                                                 |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |

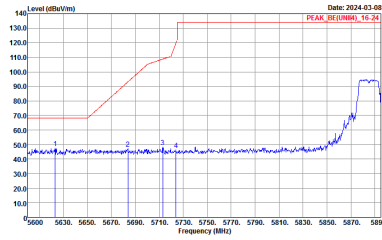
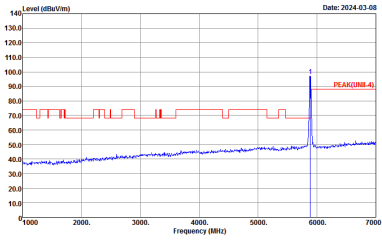
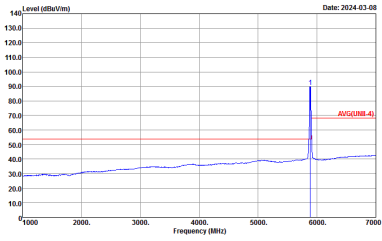


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH173 5865MHz - L                                                                                                                                                                                                    |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   |

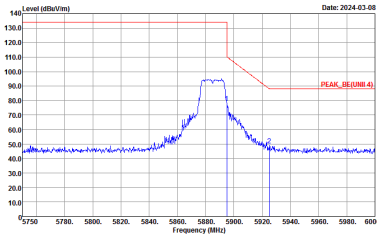
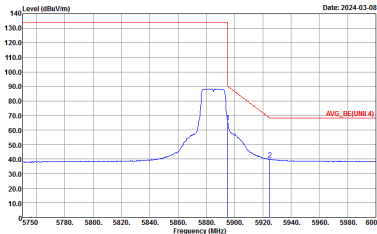


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                               |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH173 5865MHz – R                                                                                                                                                                                                         |             |
| 1    | Vertical                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p></div>   | Left blank  |

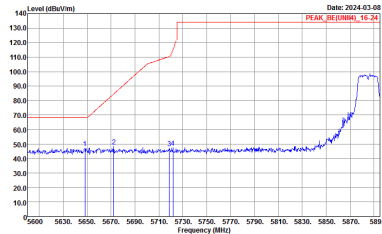
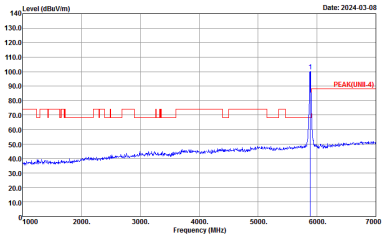
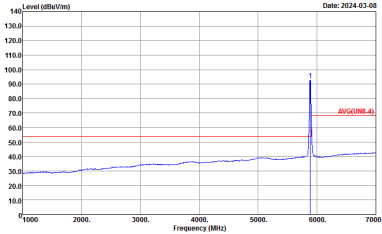


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH177 5885MHz - L                                                                                                                                                                                                      |                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT4)_16-24 3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT4)_3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT4)_3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

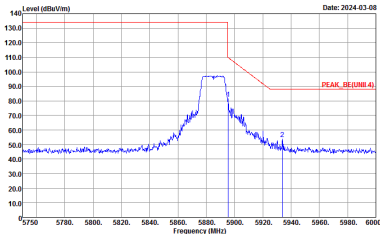
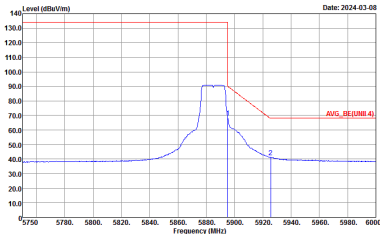


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH177 5885MHz - R                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |



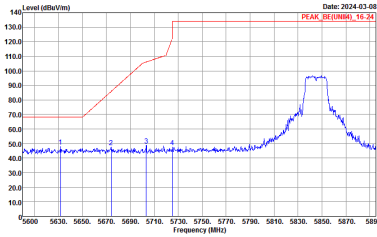
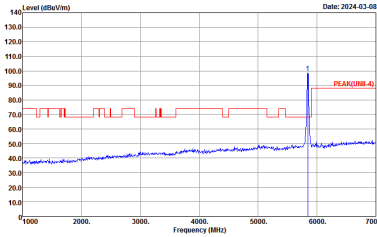
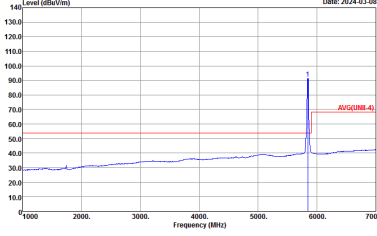
| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH177 5885MHz - L                                                                                                                                                                                                    |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |



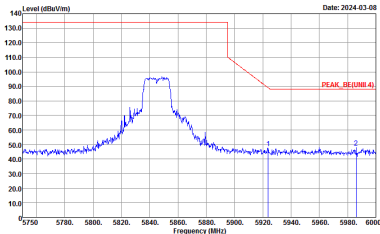
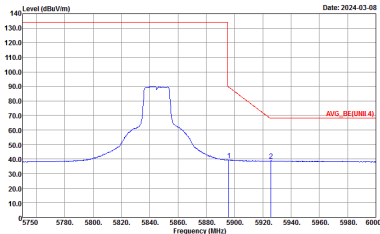
| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                   |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH177 5885MHz - R                                                                                                                                                                                             |             |
| 1    | Vertical                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   | Left blank  |



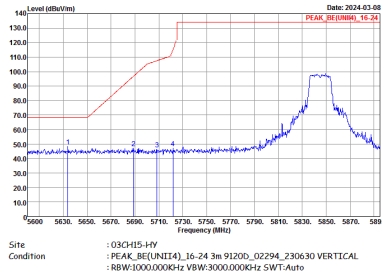
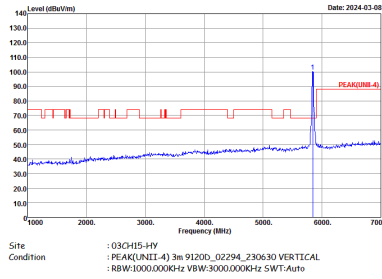
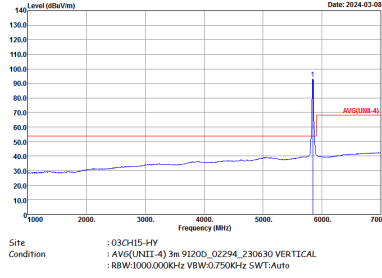
UNII-4 - 5850~5895MHz  
WIFI 802.11n HT20 Full (Band Edge @ 3m)

| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                                |                                                                                                                                                                                                                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 Full CH169 5845MHz - L                                                                                                                                                                                                |                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                 |
| Peak |  <p>Site<br/>Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site<br/>Condition : 03CH15-HY<br/>: PEAK(UNII-4) 3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                         |  <p>Site<br/>Condition : 03CH15-HY<br/>: AVG(UNII-4) 3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

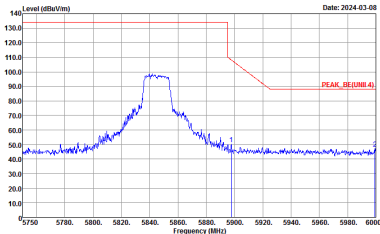
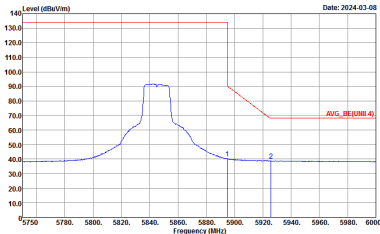


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 Full CH169 5845MHz - L                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   | Left blank  |

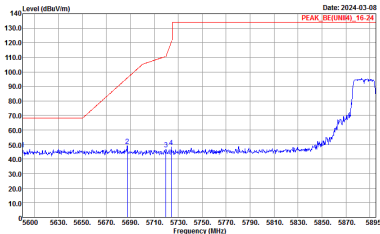
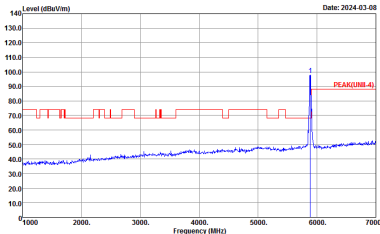
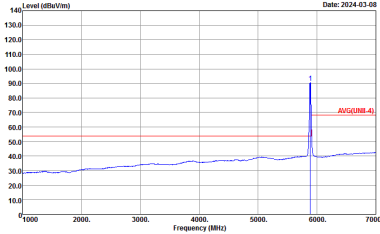


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 Full CH169 5845MHz - L                                                                                                                                                                                      |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(MH) 15.24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                               |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

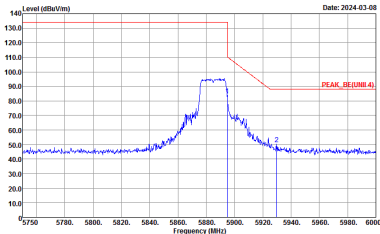
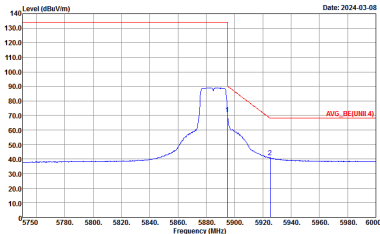


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                   |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 Full CH169 5845MHz - L                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   | Left blank  |

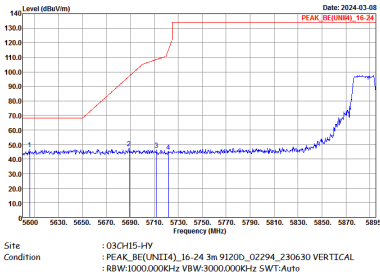
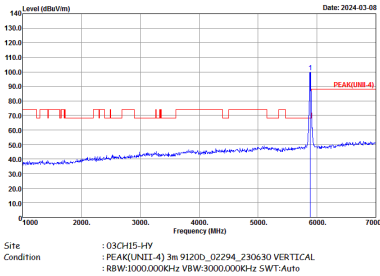
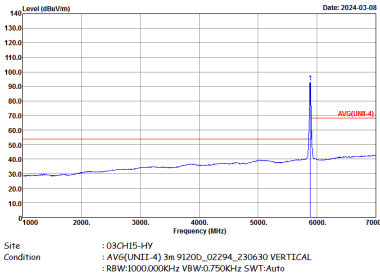


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 Full CH177 5885MHz - L                                                                                                                                                                                            |                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT4)_16-24 3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT4) 3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT4) 3m 9120D_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

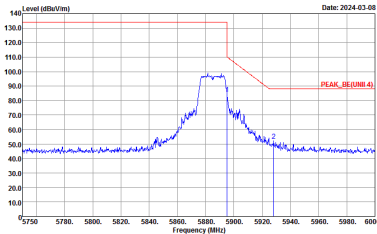
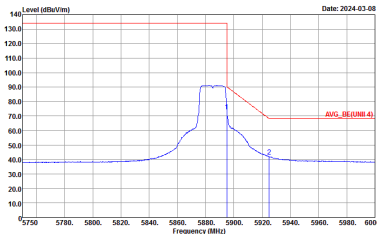


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 Full CH177 5885MHz - L                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   | Left blank  |



| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 Full CH177 5885MHz - L                                                                                                                                                                                          |                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT4)_16-24 3m 9120D_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 9120D_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 9120D_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

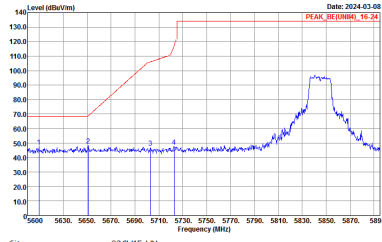
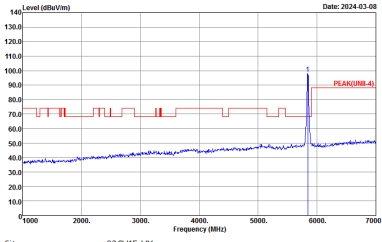
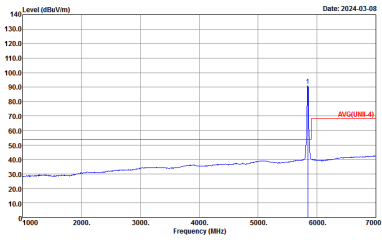


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 Full CH177 5885MHz - L                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |

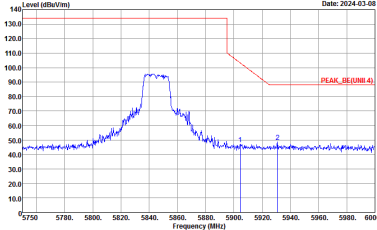
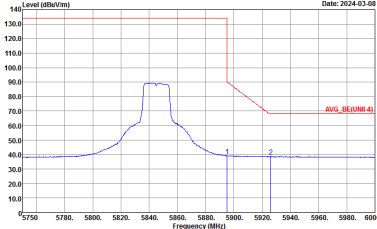


## UNII-4 - 5850~5895MHz

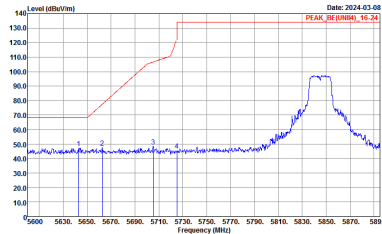
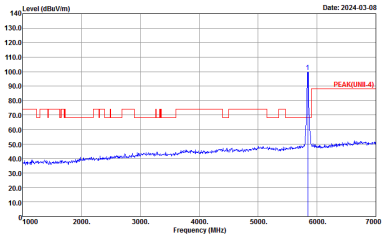
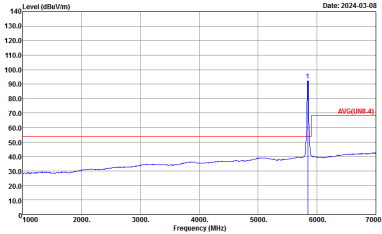
## WIFI 802.11ac VHT20 Full (Band Edge @ 3m)

| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 Full CH169 5845MHz - L                                                                                                                                                                                          |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH15-HY<br/>: PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site Condition : 03CH15-HY<br/>: AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

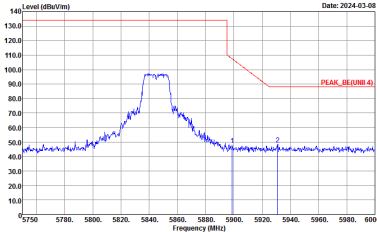
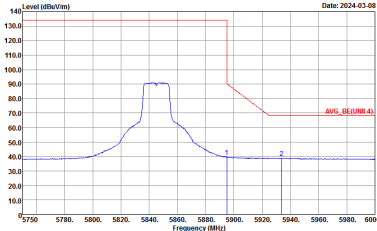


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                       |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 Full CH169 5845MHz - L                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |



| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 Full CH169 5845MHz - L                                                                                                                                                                                        |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK, BE(UNIT4), 16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

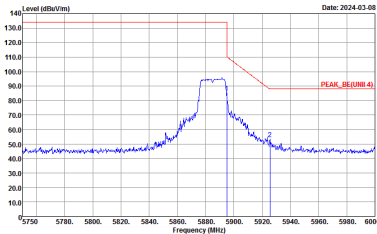
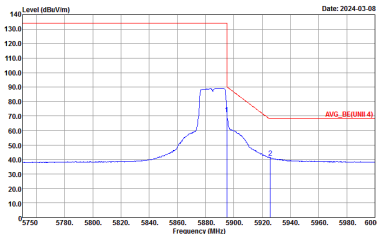


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 Full CH169 5845MHz - L                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |

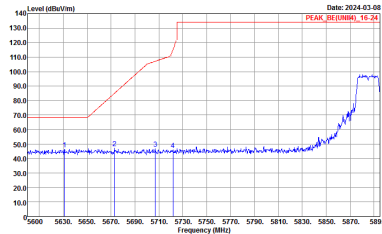
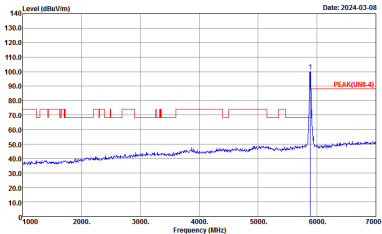
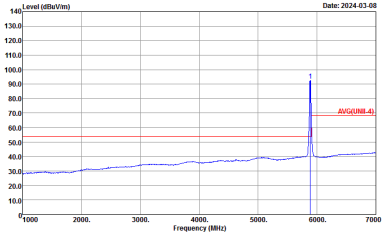


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                          |                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 Full CH177 5885MHz - L                                                                                                        |                                                                                                                                    |
| 1    | Horizontal                                                                                                                                   | Fundamental                                                                                                                        |
| Peak | <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                   | <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>     |

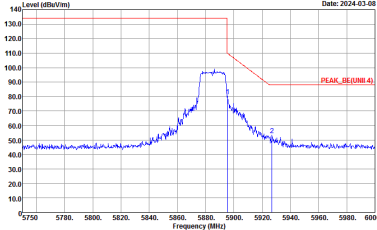
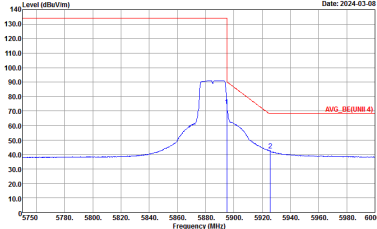


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 Full CH177 5885MHz - L                                                                                                                                                                                   |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |



| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 Full CH177 5885MHz - L                                                                                                                                                                                        |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

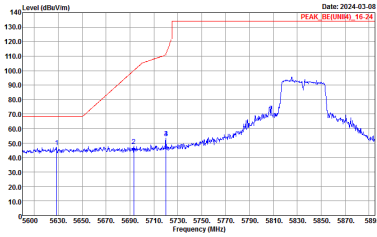
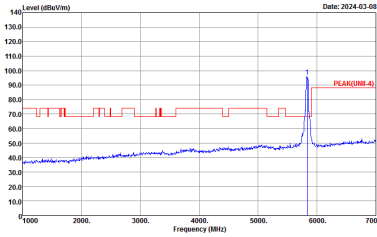
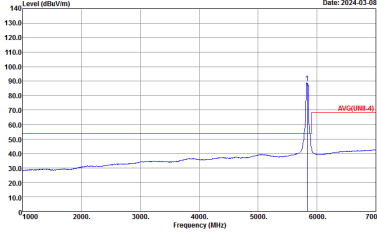


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 Full CH177 5885MHz - L                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |

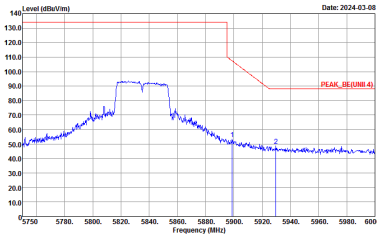
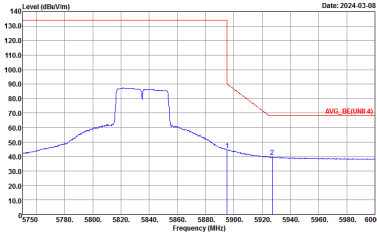


## UNII-4 - 5850~5895MHz

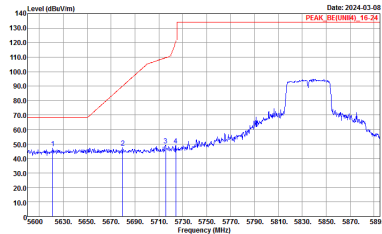
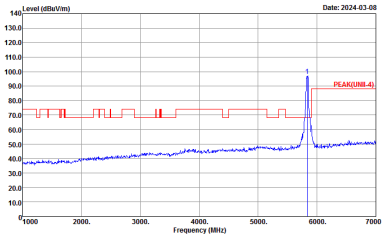
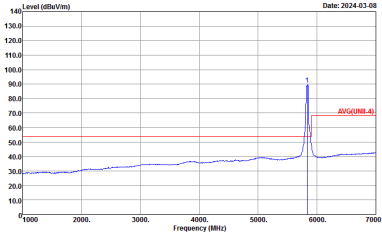
## WIFI 802.11ac VHT40 Full (Band Edge @ 3m)

| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 Full CH167 5835MHz - L                                                                                                                                                                                          |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH15-HY<br/>: PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site Condition : 03CH15-HY<br/>: AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>   |

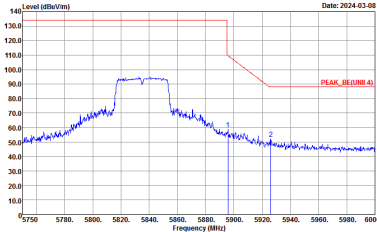
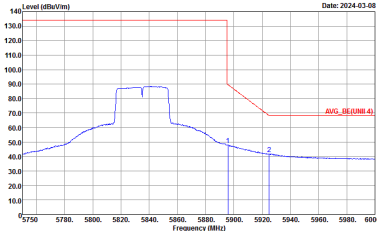


|      |                                                                                                                                                                                                                         |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
| ANT  | 802.11ac VHT40 Full CH167 5835MHz - L                                                                                                                                                                                   |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>   | Left blank  |

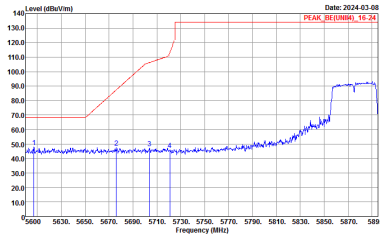
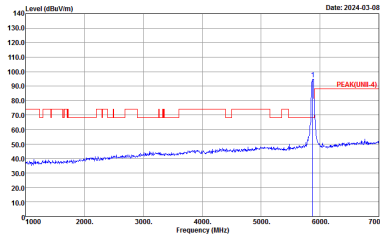
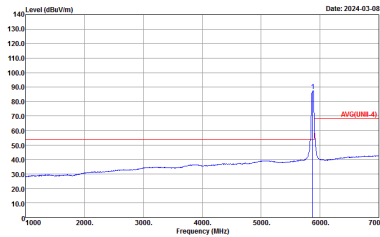


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 Full CH167 5835MHz - L                                                                                                                                                                                       |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_15-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                  |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>   |

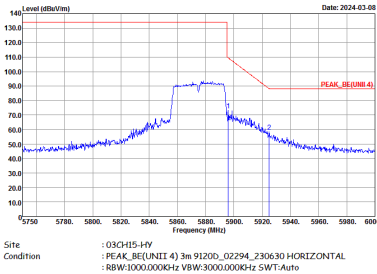
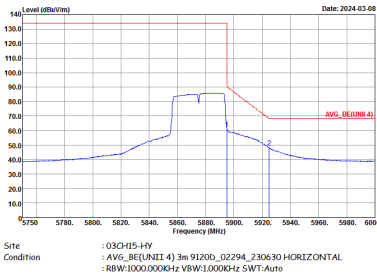


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT40 Full CH167 5835MHz - L                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>   | Left blank  |

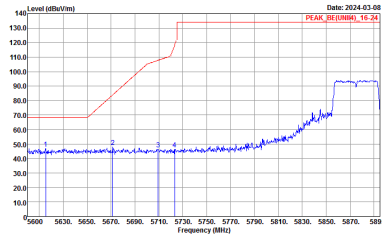
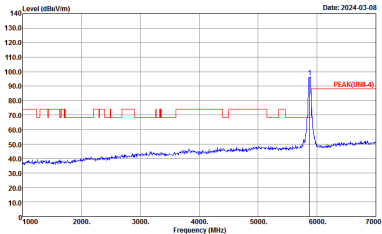
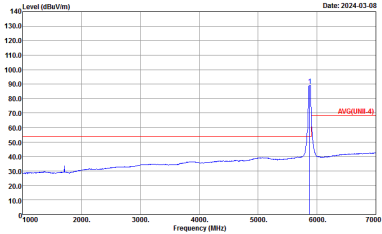


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 Full CH175 5875MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII-4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                      |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

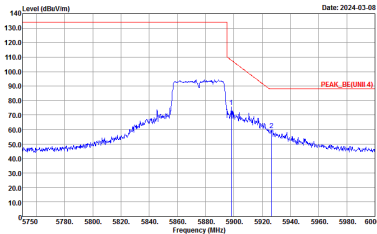
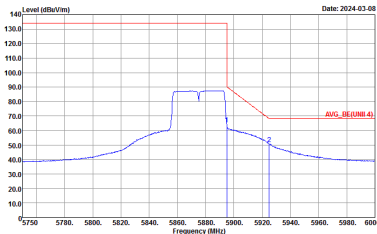


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                 |             |
|------|-------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT40 Full CH175 5875MHz - L                                               |             |
| 1    | Horizontal                                                                          | Fundamental |
| Peak |    | Left blank  |
| Avg. |  | Left blank  |



| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 Full CH175 5875MHz - L                                                                                                                                                                                       |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNII-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                  |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNII-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>   |

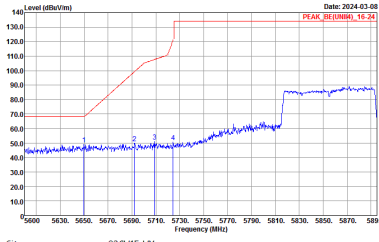
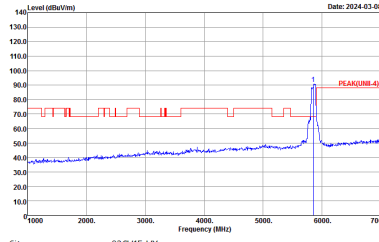
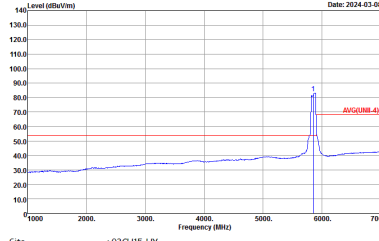


|      |                                                                                                                                                                                                                         |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
| ANT  | 802.11ac VHT40 Full CH175 5875MHz - L                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |

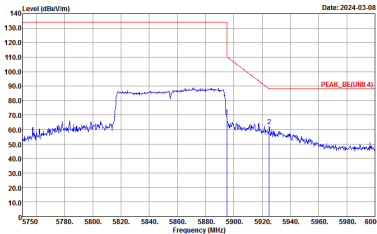
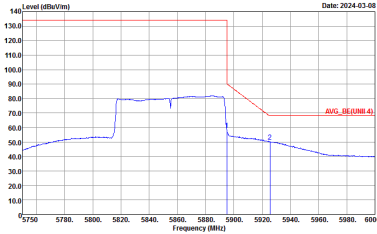


## UNII-4 - 5850~5895MHz

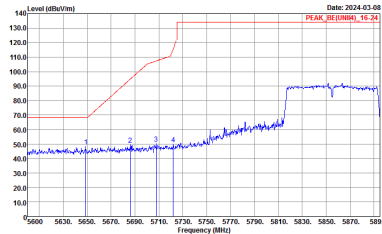
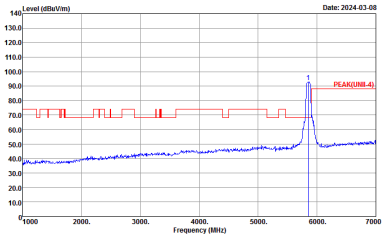
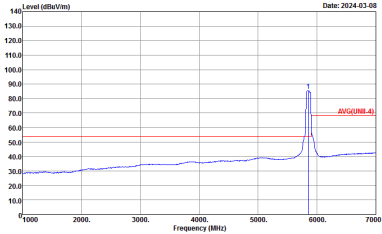
## WIFI 802.11ac VHT80 Full (Band Edge @ 3m)

| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 Full CH171 5855MHz - L                                                                                                                                                                                          |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH15-HY<br/>: PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site Condition : 03CH15-HY<br/>: AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.910KHz SWT:Auto</p>   |

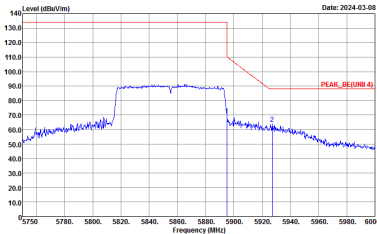
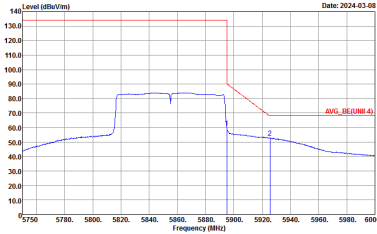


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 Full CH171 5855MHz - L                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |



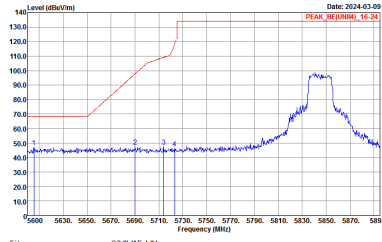
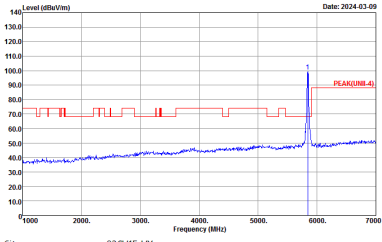
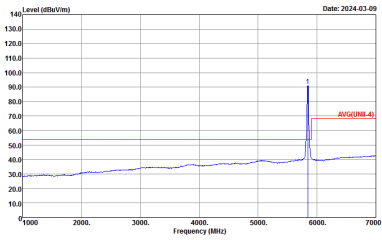
| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 Full CH171 5855MHz - L                                                                                                                                                                                        |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:0.9100kHz SWT:Auto</p>  |



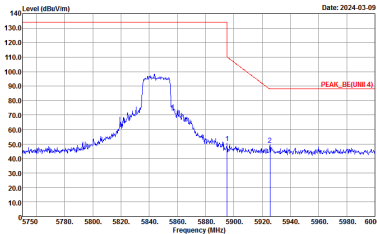
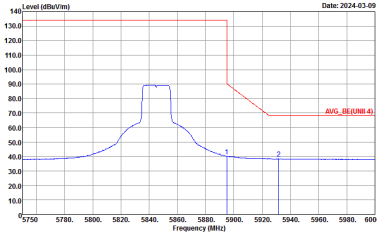
| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 Full CH171 5855MHz - L                                                                                                                                                                                    |             |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |



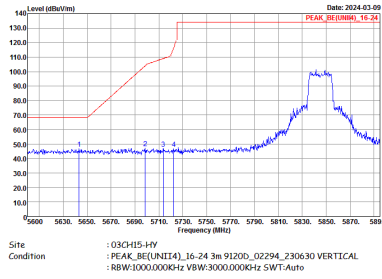
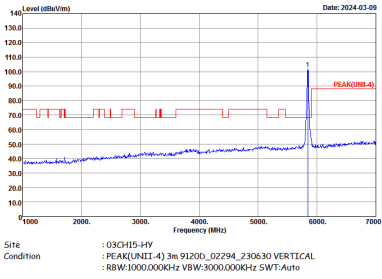
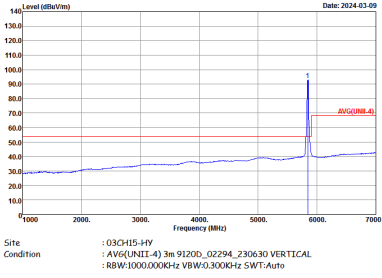
UNII-4 - 5850~5895MHz  
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                       |                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH169 5845MHz - L                                                                                                                                                                                                      |                                                                                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                         |
| Peak |  <p>Site<br/>Condition</p> <p>: 03CH15-HY<br/>: PEAK_BE(UNII4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site<br/>Condition</p> <p>: 03CH15-HY<br/>: PEAK(UNII-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. | Left blank                                                                                                                                                                                                                                |  <p>Site<br/>Condition</p> <p>: 03CH15-HY<br/>: AVG(UNII-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

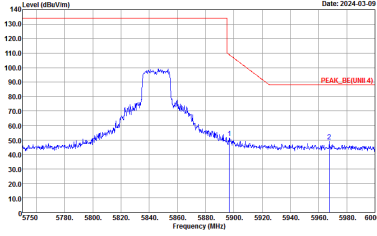
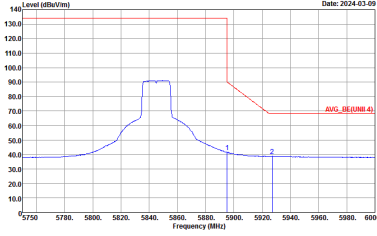


|      |                                                                                                                                                                                                                            |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                        |             |
| ANT  | 802.11ax HE20 Full CH169 5845MHz - R                                                                                                                                                                                       |             |
| 1    | Horizontal                                                                                                                                                                                                                 | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

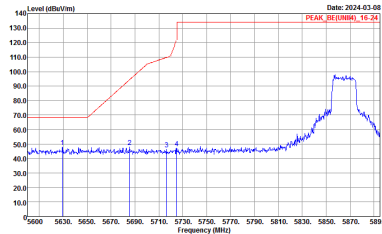
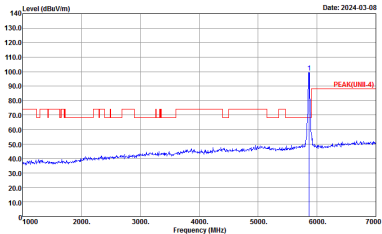
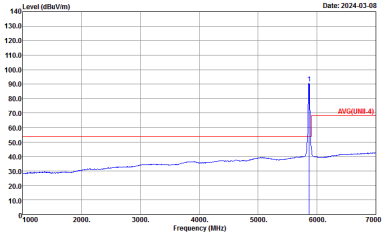


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                               |                                                                                      |
|------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH169 5845MHz - L                                              |                                                                                      |
| 1    | Vertical                                                                          | Fundamental                                                                          |
| Peak |  |    |
| Avg. | Left blank                                                                        |  |

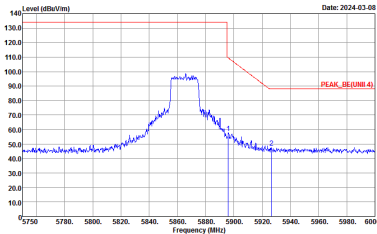
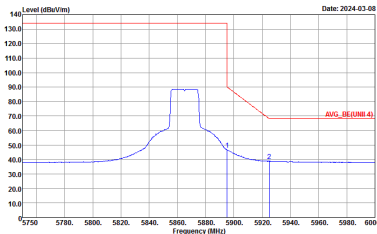


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH169 5845MHz - R                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                 | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |

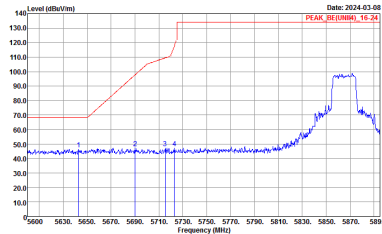
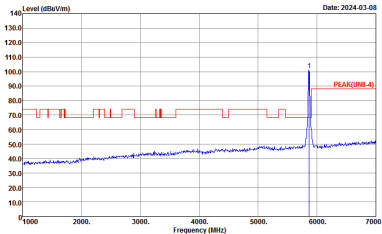
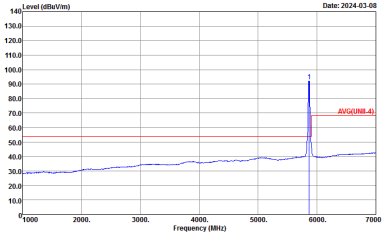


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                        |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz - L                                                                                                                                                                                          |                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. | Left blank                                                                                                                                                                                                                    |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

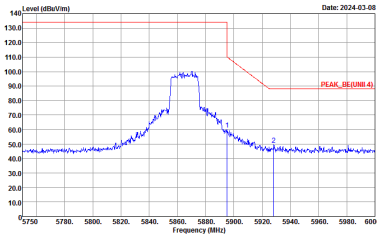
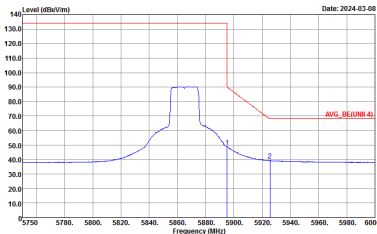


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz - R                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

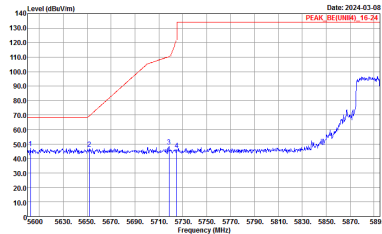
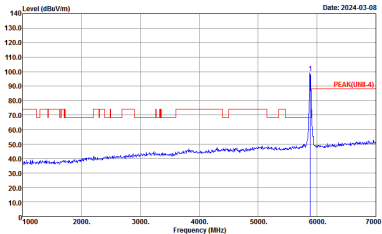
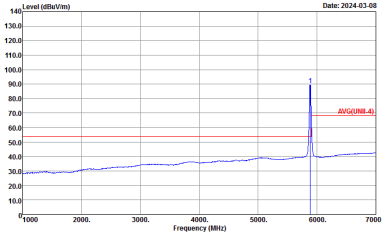


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz - L                                                                                                                                                                                         |                                                                                                                                                                                                                      |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

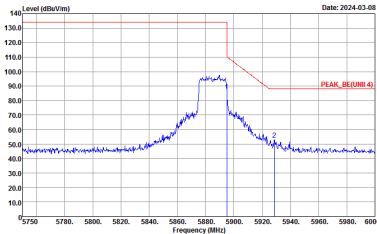
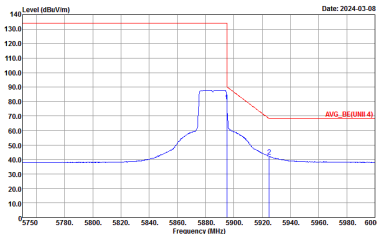


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                              |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH173 5865MHz - R                                                                                                                                                                                             |             |
| 1    | Vertical                                                                                                                                                                                                                         | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |

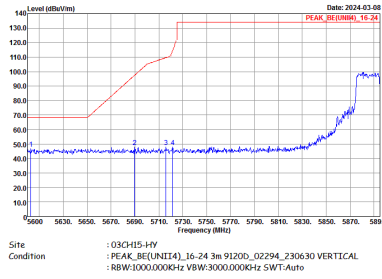
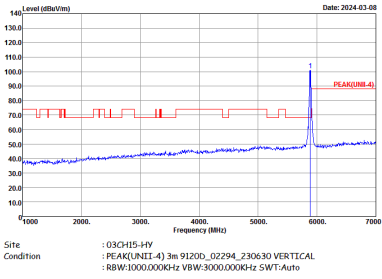
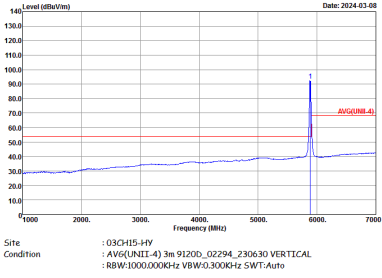


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH177 5885MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

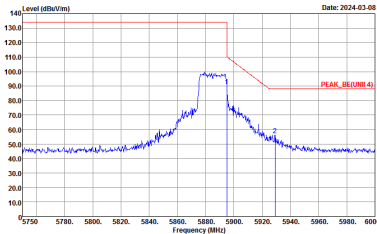
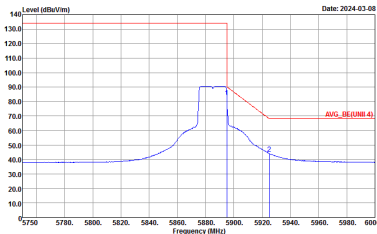


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH177 5885MHz - R                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |



| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH177 5885MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

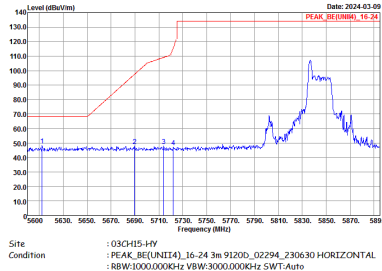
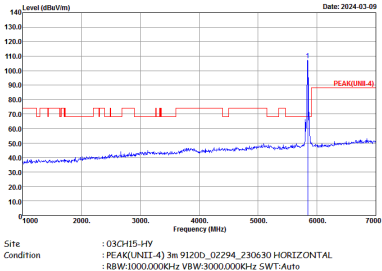
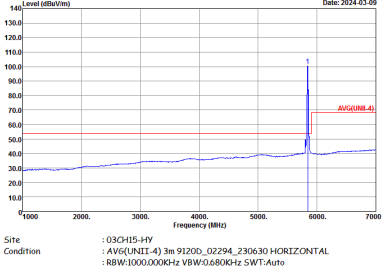


| WIFI | UNII- 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                    |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH177 5885MHz - R                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |

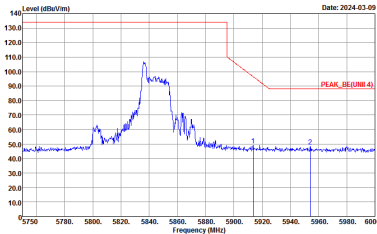
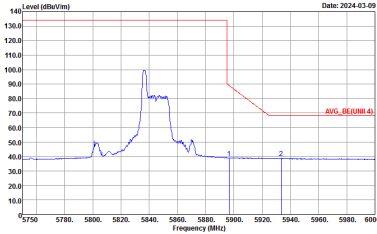


## UNII-4 - 5850~5895MHz

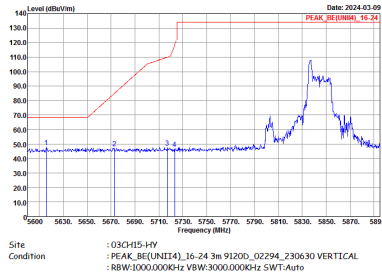
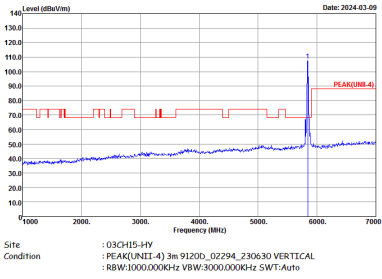
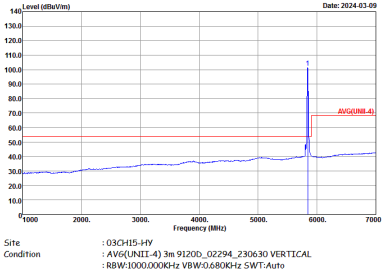
## WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/0 CH169 5845MHz                                                                                                                                                                                       |                                                                                                                                                                                                                               |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                   |
| Peak |  <p>Site Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH15-HY<br/>: PEAK(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>  |
| Avg  | Left blank                                                                                                                                                                                                                     |  <p>Site Condition : 03CH15-HY<br/>: AVG(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |

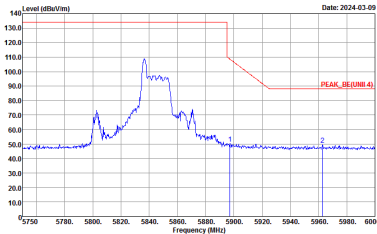
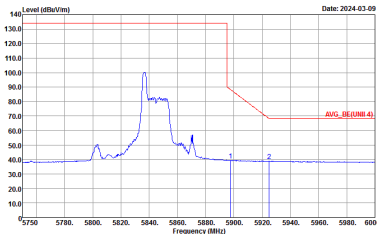


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 26/0 CH169 5845MHz                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   | Left blank  |

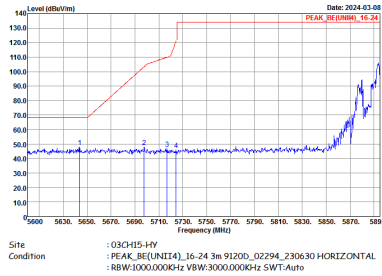
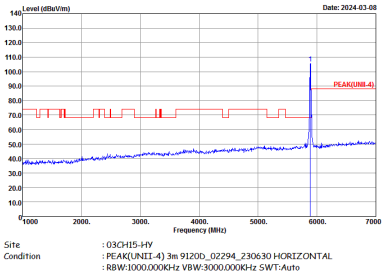
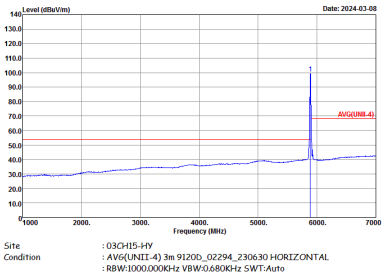


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/0 CH169 5845MHz                                                                                                                                                                                     |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |

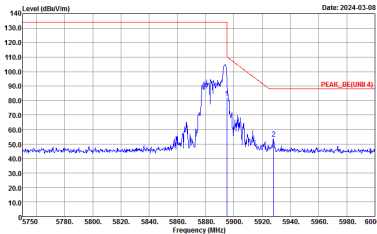
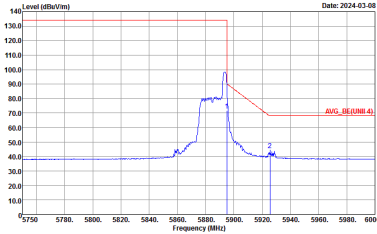


|      |                                                                                                                                                                                                                         |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
| ANT  | 802.11ax HE20 Partial 26/0 CH169 5845MHz                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.680kHz SWT:Auto</p>   | Left blank  |

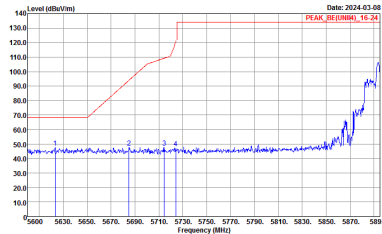
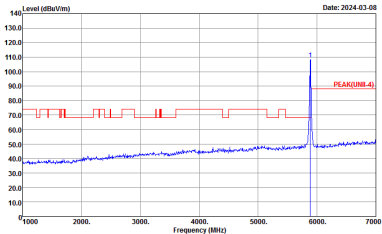
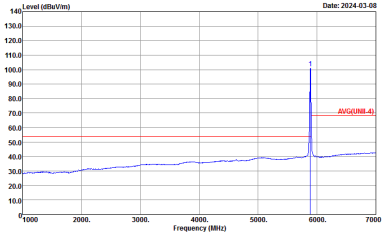


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/8 CH177 5885MHz                                                                                                                                                                                         |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                       |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.680kHz SWT:Auto</p>   |

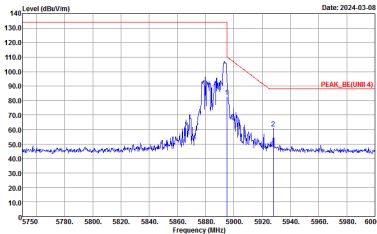
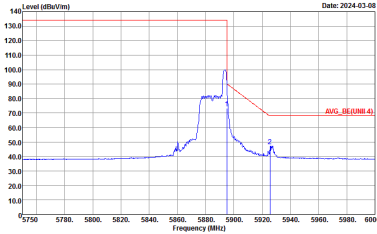


|      |                                                                                                                                                                                                                         |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
| ANT  | 802.11ax HE20 Partial 26/8 CH177 5885MHz                                                                                                                                                                                |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.680kHz SWT:Auto</p>   | Left blank  |



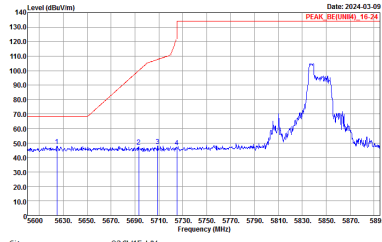
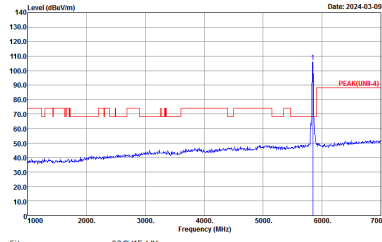
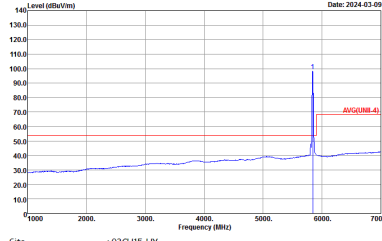
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/8 CH177 5885MHz                                                                                                                                                                                    |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_15-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                  |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   |



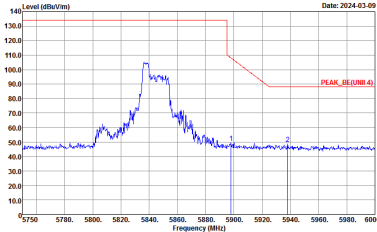
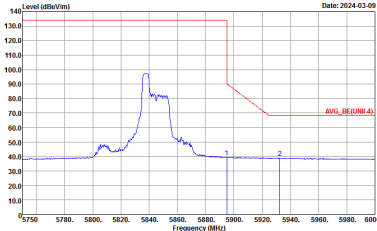
|      |                                                                                                                                                                                                                         |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
| ANT  | 802.11ax HE20 Partial 26/8 CH177 5885MHz                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:0.680KHz SWT:Auto</p>   | Left blank  |



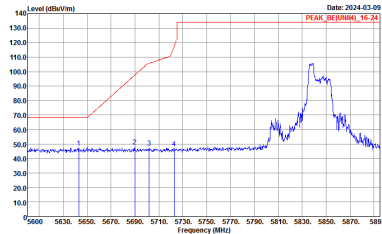
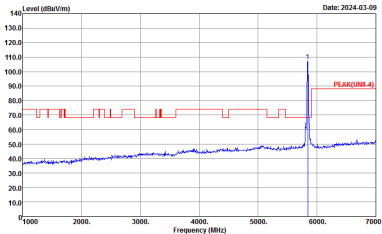
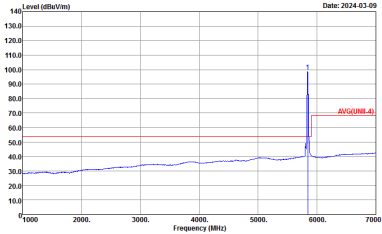
UNII-4 - 5850~5895MHz  
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 52/37 CH169 5845MHz                                                                                                                                                                                      |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH15-HY<br/>: PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                     |  <p>Site Condition : 03CH15-HY<br/>: AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

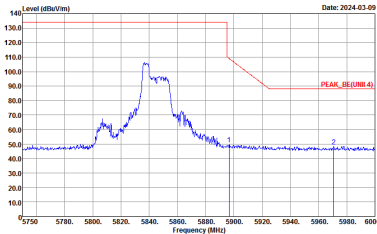
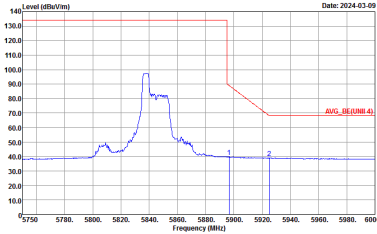


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 52/37 CH169 5845MHz                                                                                                                                                                                 |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p>   | Left blank  |

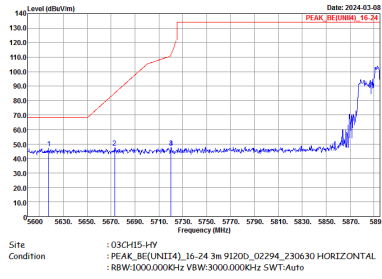
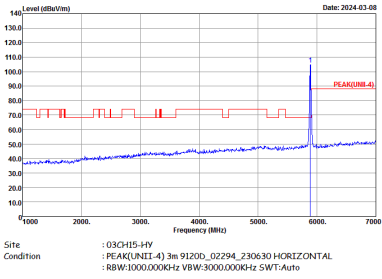
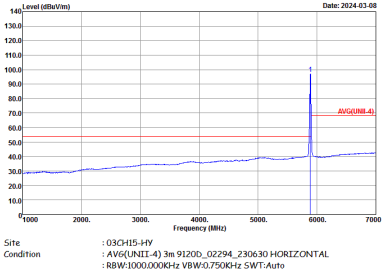


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 52/37 CH169 5845MHz                                                                                                                                                                                    |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

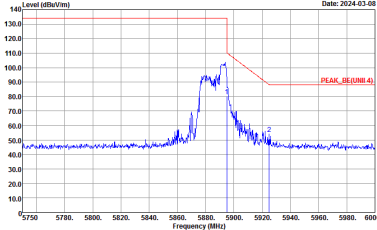
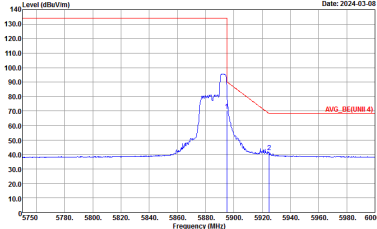


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 52/37 CH169 5845MHz                                                                                                                                                                                         |             |
| 1    | Vertical                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p></div> | Left blank  |
| Avg  | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.750kHz SWT:Auto</p></div>   | Left blank  |

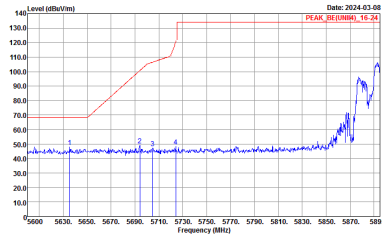
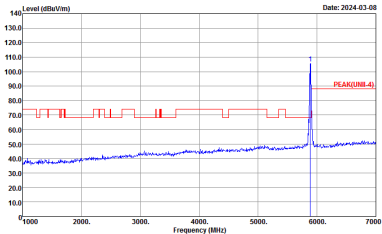
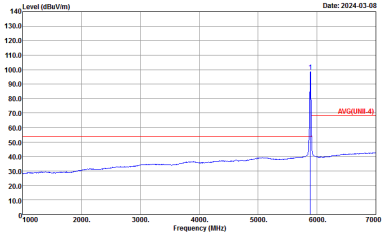


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH177 5885MHz                                                                                                                                                                                       |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                      |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

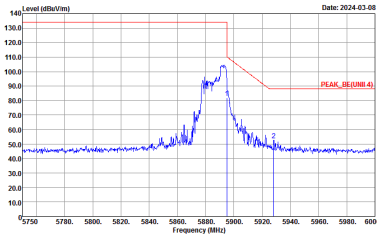
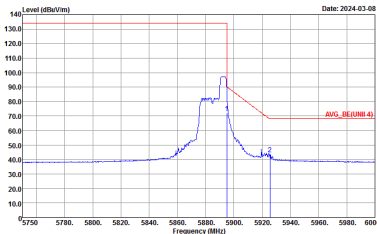


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH177 5885MHz                                                                                                                                                                                 |             |
| 1    | Horizontal                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   | Left blank  |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH177 5885MHz                                                                                                                                                                                   |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                  |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p>   |

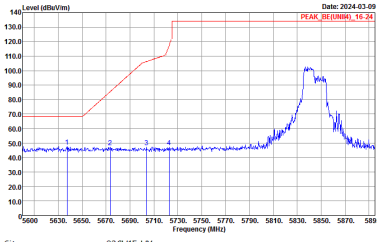
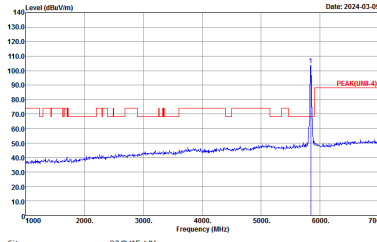
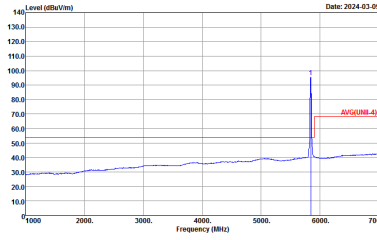


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH177 5885MHz                                                                                                                                                                                         |             |
| 1    | Vertical                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg  | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000KHz VBW:0.750KHz SWT:Auto</p></div>   | Left blank  |

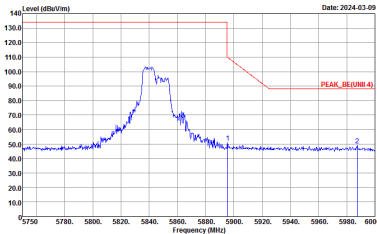
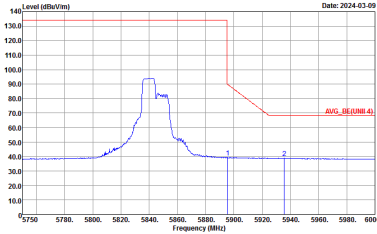


## UNII-4 - 5850~5895MHz

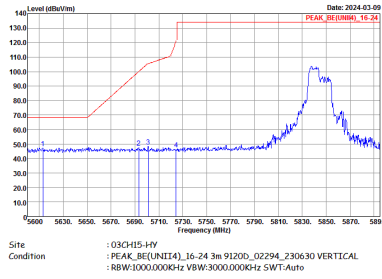
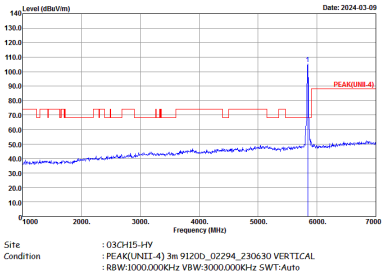
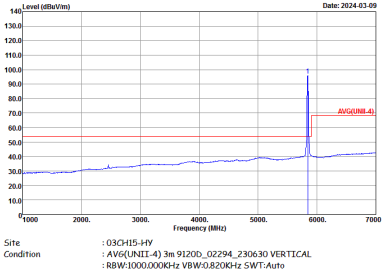
## WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/53 CH169 5845MHz                                                                                                                                                                                     |                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH15-HY<br/>: PEAK(UNIT4)_3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                     |  <p>Site Condition : 03CH15-HY<br/>: AVG(UNIT4)_3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>   |

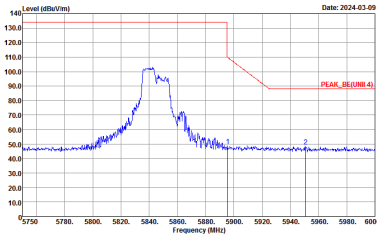
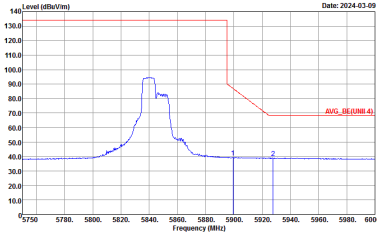


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 106/53 CH169 5845MHz                                                                                                                                                                              |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>   | Left blank  |

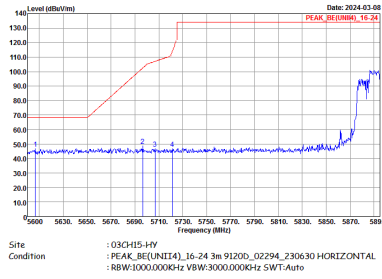
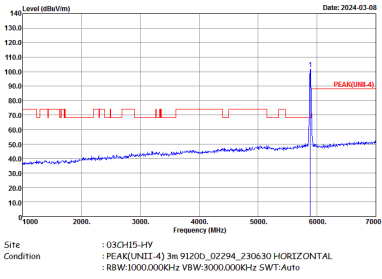
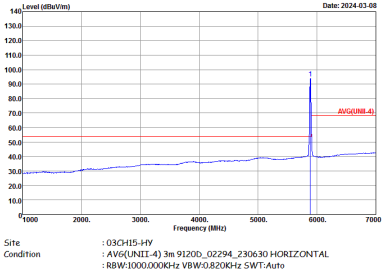


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/53 CH169 5845MHz                                                                                                                                                                                   |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                   |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>   |

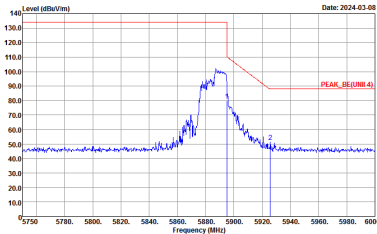
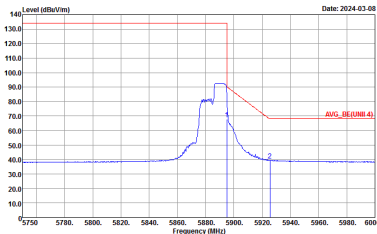


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 106/53 CH169 5845MHz                                                                                                                                                                              |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>   | Left blank  |

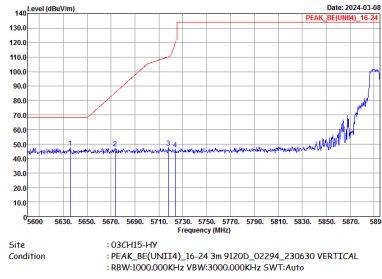
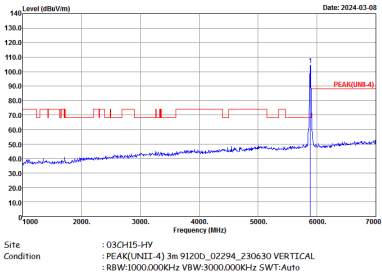
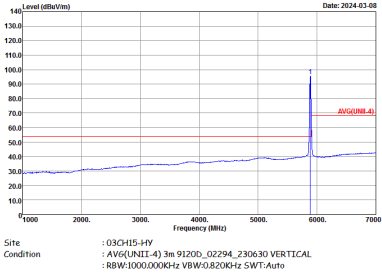


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz                                                                                                                                                                                       |                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT-4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg  | Left blank                                                                                                                                                                                                                       |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.820KHz SWT:Auto</p>   |

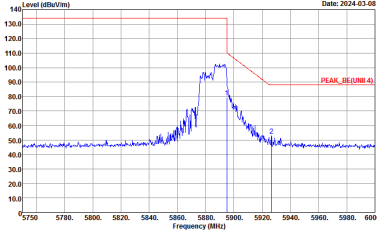
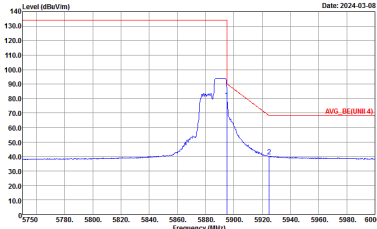


|      |                                                                                                                                                                                                                         |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz                                                                                                                                                                              |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>   | Left blank  |



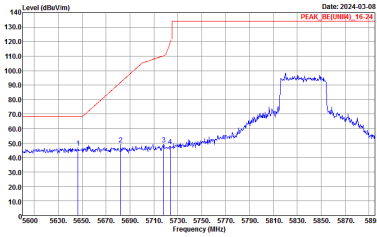
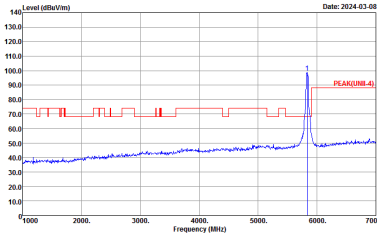
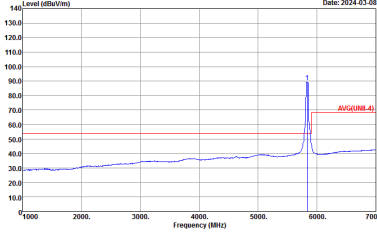
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                |                                                                                      |
|------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz                                        |                                                                                      |
| 1    | Vertical                                                                          | Fundamental                                                                          |
| Peak |  |    |
| Avg  | Left blank                                                                        |  |



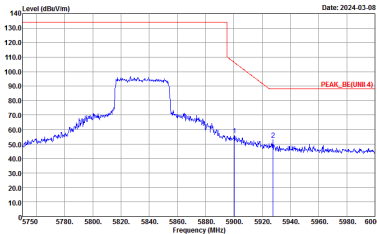
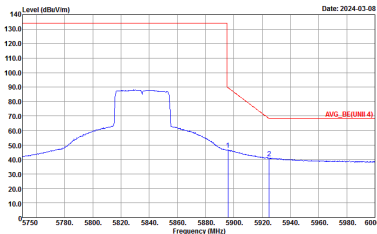
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH177 5885MHz                                                                                                                                                                              |             |
| 1    | Vertical                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank  |
| Avg  |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNIT 4) 3m 91200_02294_230630 VERTICAL<br/>: RBW:1000.000kHz VBW:0.820kHz SWT:Auto</p>   | Left blank  |



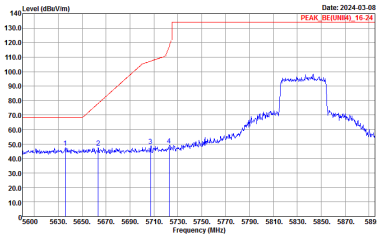
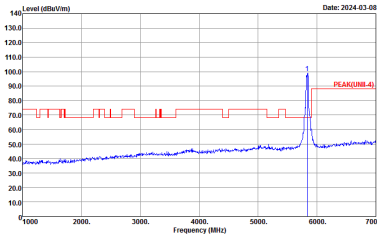
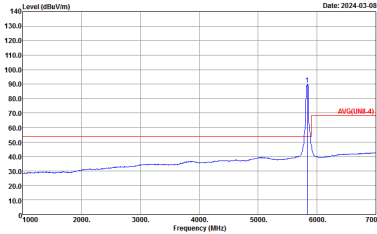
UNII-4 - 5850~5895MHz  
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH167 5835MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site Condition : 03CH15-HY<br/>: PEAK_BE(UNIT4)_16-24 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH15-HY<br/>: PEAK(UNIT4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                     |  <p>Site Condition : 03CH15-HY<br/>: AVG(UNIT4) 3m 91200_02294_230630 HORIZONTAL<br/>: RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |

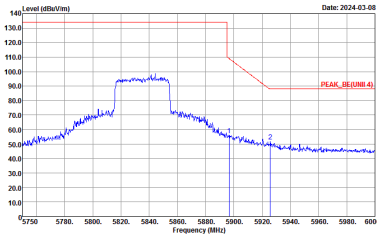
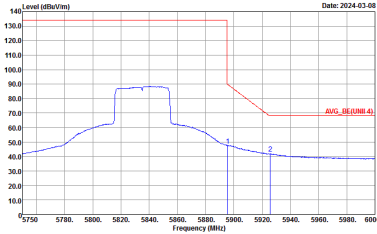


| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                     |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH167 5835MHz - R                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII 4) 3m 91200_02294_230630 HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    | Left blank  |



| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH167 5835MHz - L                                                                                                                                                                                        |                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_REF(UNIT4)_16-24 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | Left blank                                                                                                                                                                                                                  |  <p>Site : 03CH15-HY<br/>Condition : AVG(UNIT-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>    |



| WIFI | UNII- 4 5850~5895MHz Band Edge @ 3m                                                                                                                                                                                             |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH167 5835MHz - R                                                                                                                                                                                            |             |
| 1    | Vertical                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(UNII-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE(UNII-4) 3m 91200_02294_230630 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto</p></div>    | Left blank  |