



# FCC RADIO TEST REPORT

**FCC ID** : PKRISGM2000A  
**Equipment** : Wireless Hotspot Modem  
**Brand Name** : Inseego  
**Model Name** : M2000A  
**Marketing Name** : M2000  
**Applicant** : Inseego Corporation  
9710 Scranton Road Suite 200, San Diego, CA 92121  
**Manufacturer** : Inseego Corporation  
9710 Scranton Road Suite 200, San Diego, CA 92121  
**Standard** : FCC Part 15 Subpart E §15.407

The product was received on Jul. 09, 2020 and testing was started from Jul. 23, 2020 and completed on Sep. 08, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

*Louis Wu*

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FR041657B  | 01      | Initial issue of report | Sep. 16, 2020 |
|            |         |                         |               |
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## Summary of Test Result

| Report Clause | Ref Std. Clause     | Test Items                             | Result (PASS/FAIL) | Remark                                    |
|---------------|---------------------|----------------------------------------|--------------------|-------------------------------------------|
| 3.1           | 15.403(i)           | 26dB Bandwidth                         | Pass               | -                                         |
| 3.1           | 2.1049              | 99% Occupied Bandwidth                 | Reporting only     | -                                         |
| 3.2           | 15.407(a)           | Maximum Conducted Output Power         | Pass               | -                                         |
| 3.3           | 15.407(a)           | Power Spectral Density                 | Pass               | -                                         |
| 3.4           | 15.407(b)           | Unwanted Emissions                     | Pass               | Under limit<br>5.08 dB at<br>5149.500 MHz |
| 3.5           | 15.207              | AC Conducted Emission                  | Pass               | Under limit<br>17.34 dB at<br>0.150 MHz   |
| 3.6           | 15.407(c)           | Automatically Discontinue Transmission | Pass               | -                                         |
| 3.7           | 15.203<br>15.407(a) | Antenna Requirement                    | Pass               | -                                         |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang**

**Report Producer: Celery Wei**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

WCDMA/LTE/5G NR, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and GNSS.

| Product Specification subjective to this standard |                                                                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Type                                      | WWAN: Fixed Internal Antenna<br>WLAN:<br><Ant. 0>: Fixed Internal Antenna<br><Ant. 1>: Fixed Internal Antenna<br>GPS: Fixed Internal Antenna |

## 1.2 Modification of EUT

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

### 1.3 Testing Location

|                           |                                                                                                                       |         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|---------|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                   |         |
| <b>Test Site Location</b> | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |         |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                               |         |
|                           | TH05-HY                                                                                                               | CO05-HY |

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

|                           |                                                                                                                                           |  |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                                       |  |
| <b>Test Site Location</b> | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City, 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>                                                                                                                   |  |
|                           | 03CH15-HY                                                                                                                                 |  |

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

FCC designation No.: TW1190 and TW0007

### 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 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

## 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

| Frequency Band                       | Channel         | Freq.<br>(MHz) | Channel | Freq.<br>(MHz) |
|--------------------------------------|-----------------|----------------|---------|----------------|
| 5150-5250 MHz<br>Band 1<br>(U-NII-1) | 36              | 5180           | 44      | 5220           |
|                                      | 38*             | 5190           | 46*     | 5230           |
|                                      | 40              | 5200           | 48      | 5240           |
|                                      | 42 <sup>#</sup> | 5210           |         |                |

**Note:**

1. The above Frequency and Channel in "\*" were 802.11n HT40, 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "<sup>#</sup>" were 802.11ac VHT80 and 802.11ax HE80.

## 2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

The CDD mode is chosen as worst case configuration for all test cases due to higher power than SISO mode.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power and PSD than full RU's, thus the full RU is chosen as main test configuration, and the partial RU is verified the band edge in accordance with the TCB workshop, Oct. 3rd .2018.

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

| Test Cases                                                                       |                                                                  |
|----------------------------------------------------------------------------------|------------------------------------------------------------------|
| AC<br>Conducted<br>Emission                                                      | Mode 1 : WCDMA 850 Idle + WLAN (5GHz) Link + Battery 1 + Adapter |
| <b>Remark:</b> For Radiated Test Cases, the tests were performed with Battery 2. |                                                                  |

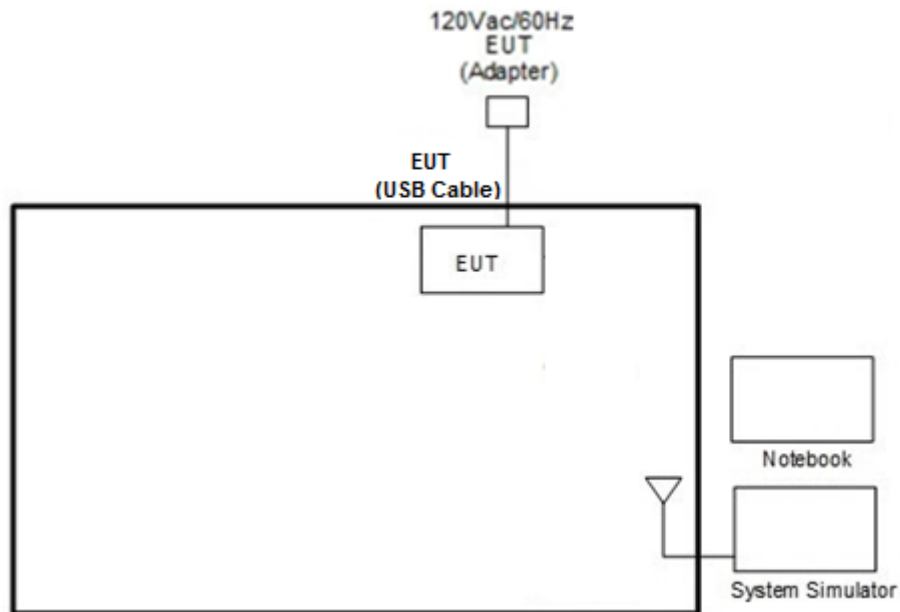
| Ch. # |        | Band I : 5150-5250 MHz |               |               |               |
|-------|--------|------------------------|---------------|---------------|---------------|
|       |        | 802.11a                | 802.11ax HE20 | 802.11ax HE40 | 802.11ax HE80 |
| L     | Low    | 36                     | 36            | 38            | -             |
| M     | Middle | 44                     | 44            | -             | 42            |
| H     | High   | 48                     | 48            | 46            | -             |

**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power, the worst mode of WLAN and LTE for simultaneous transmission were verified and compliant.

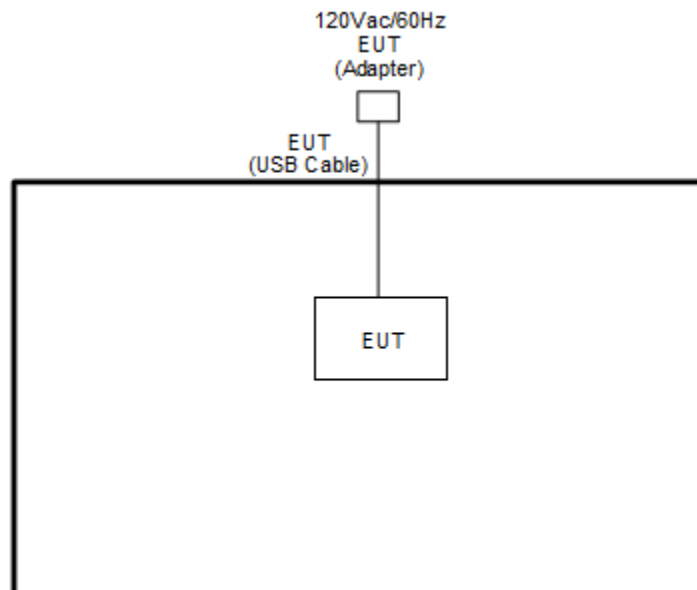


## 2.3 Connection Diagram of Test System

<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.   | System Simulator | Anritsu    | MT8820C       | N/A     | N/A        | Unshielded, 1.8 m                                          |
| 2.   | Notebook         | Dell       | Latitude 3400 | FCC DoC | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |

## 2.5 EUT Operation Test Setup

The RF test items, utility "QRCT V4.0.00156.0" 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 10dB 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 26dB & 99% Occupied Bandwidth Measurement

##### 3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

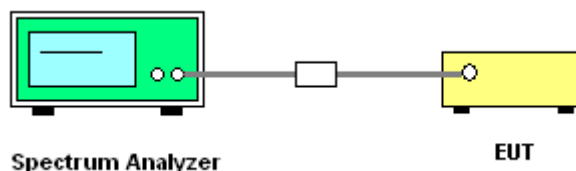
##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

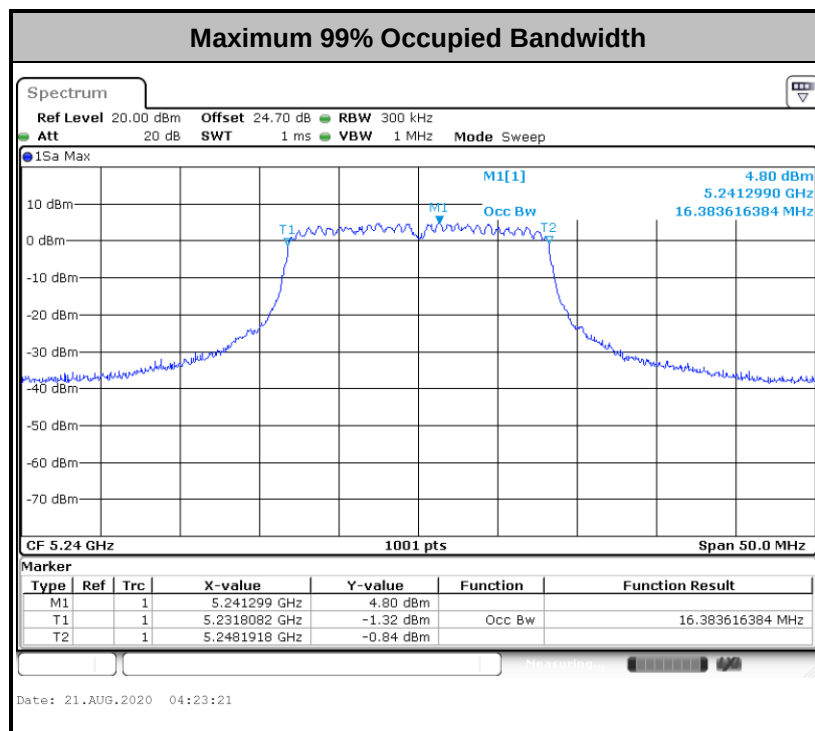
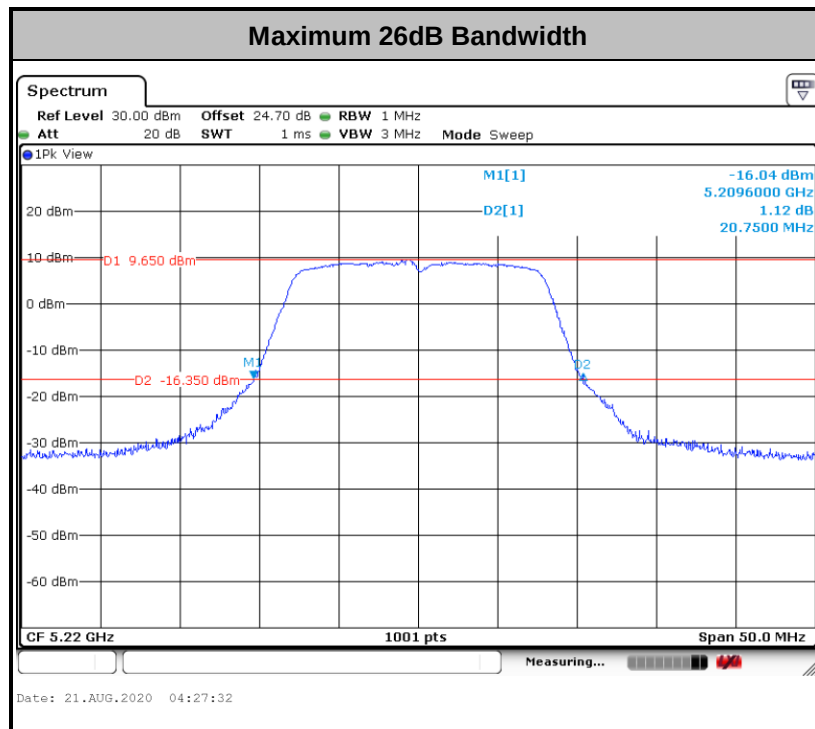
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\geq 3 * RBW$ .
8. Measure and record the results in the test report.

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

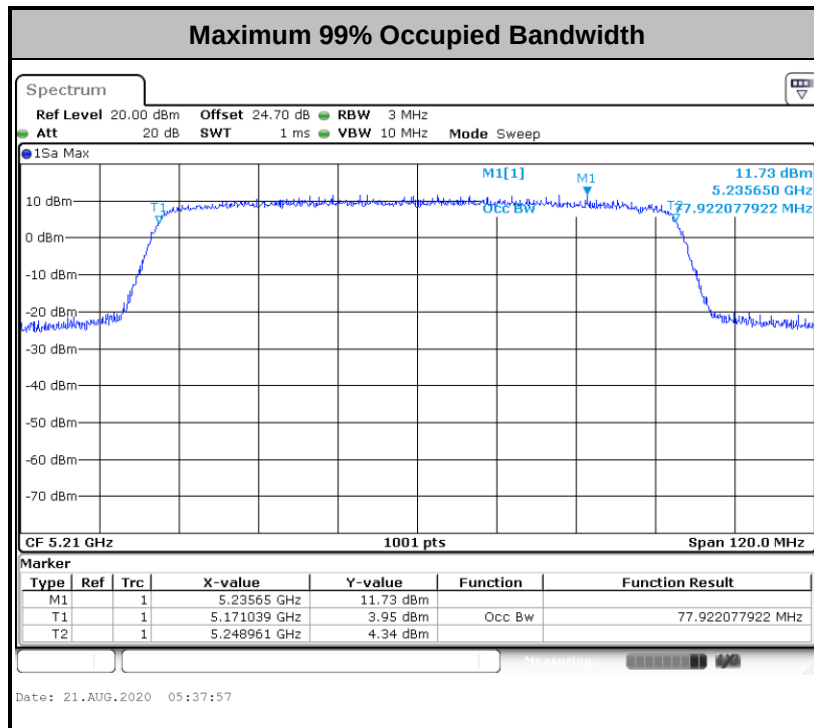
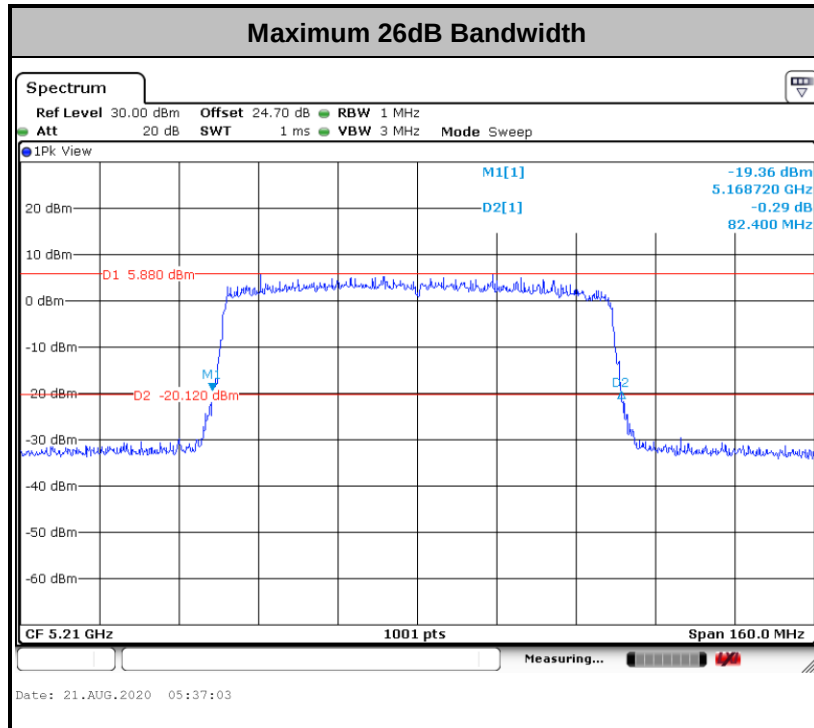
Please refer to Appendix A.



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



&lt;For 802.11ax Mode&gt;



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

## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

#### <FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

- For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

### 3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

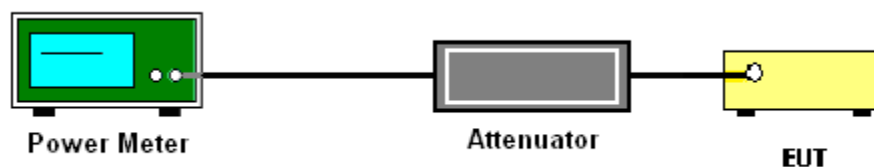
### 3.2.3 Test Procedures

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

Method PM-G (Measurement using an 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

##### <FCC 14-30 CFR 15.407>

##### **For the 5.15–5.25 GHz bands:**

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### 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-3 #**

(power averaging (rms) detection with max hold):

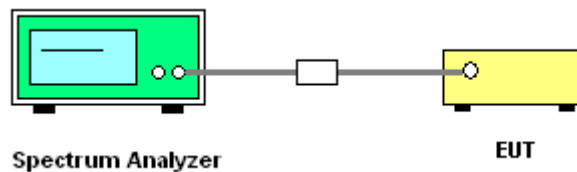
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW  $\geq$  3 MHz
- Number of points in sweep  $\geq$  2 Span / RBW.
- Sweep time  $\leq$  (number of points in sweep)  $\times$  T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was 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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

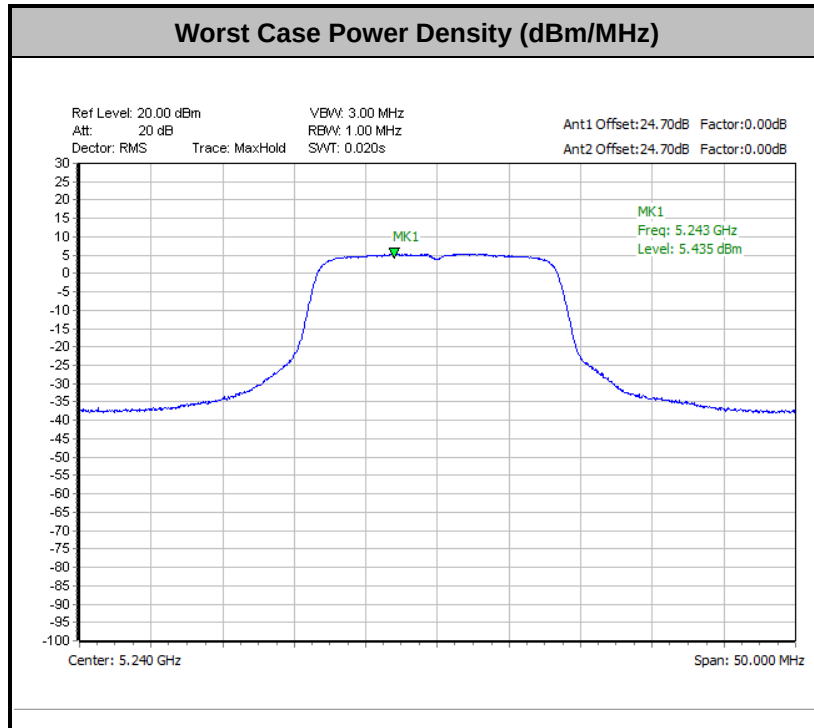
### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

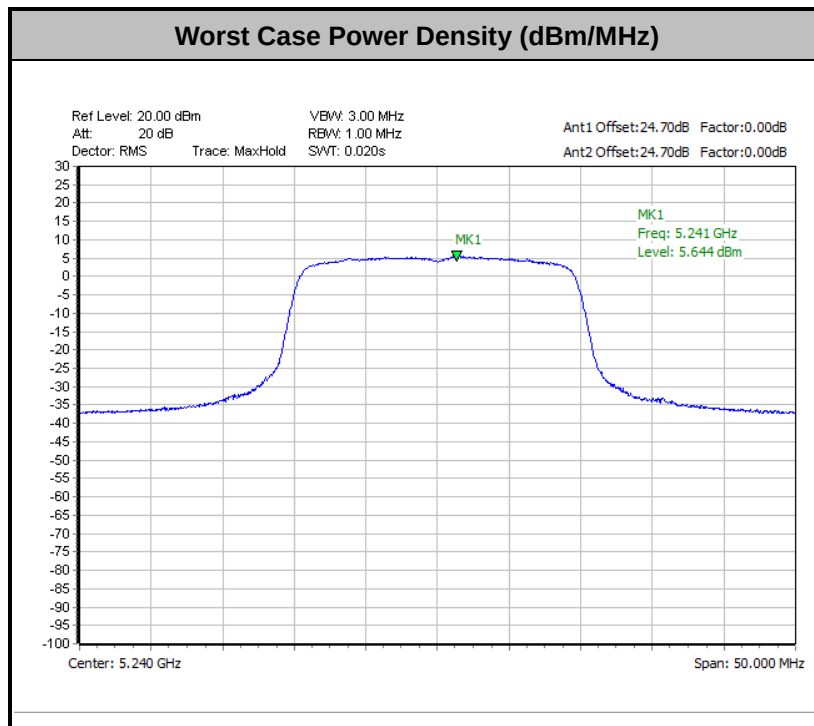
Please refer to Appendix A.





**Note:** Average Power Density (dB) = Measured value+ Duty Factor

<For 802.11ax Mode>



**Note:** Average Power Density (dB) = Measured value+ Duty Factor

### 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) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below 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.

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

| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|------------|-------------------------------|
| - 27       | 68.3                          |

- (3) KDB789033 D02 v02r01 G)2)c)
  - (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.
  - (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

#### 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 1000MHz

- 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  $\geq$  3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

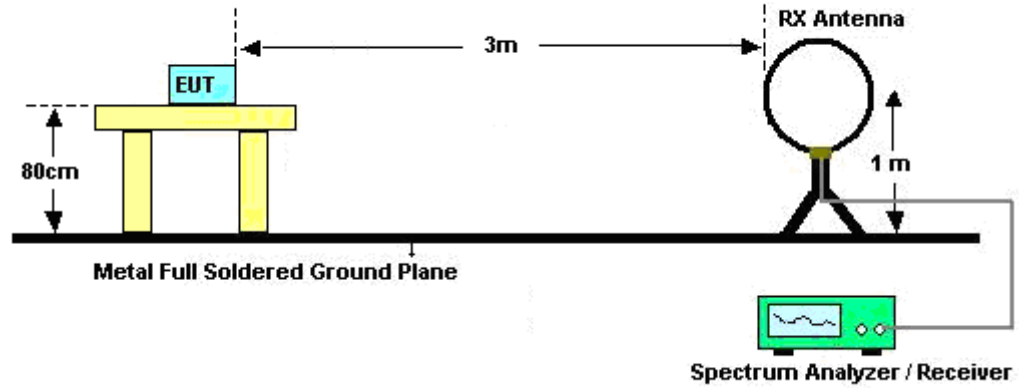
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



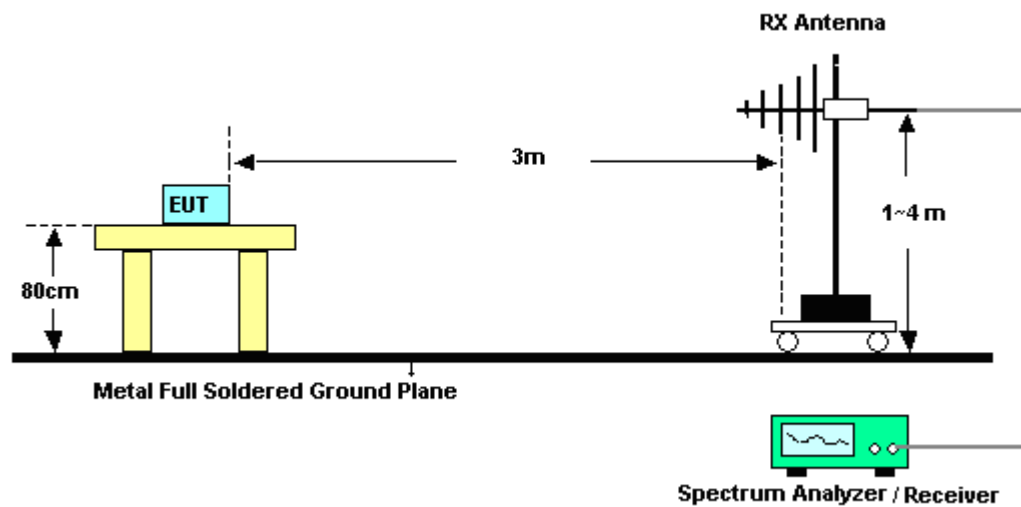
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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 of the antenna.
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. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.4.4 Test Setup

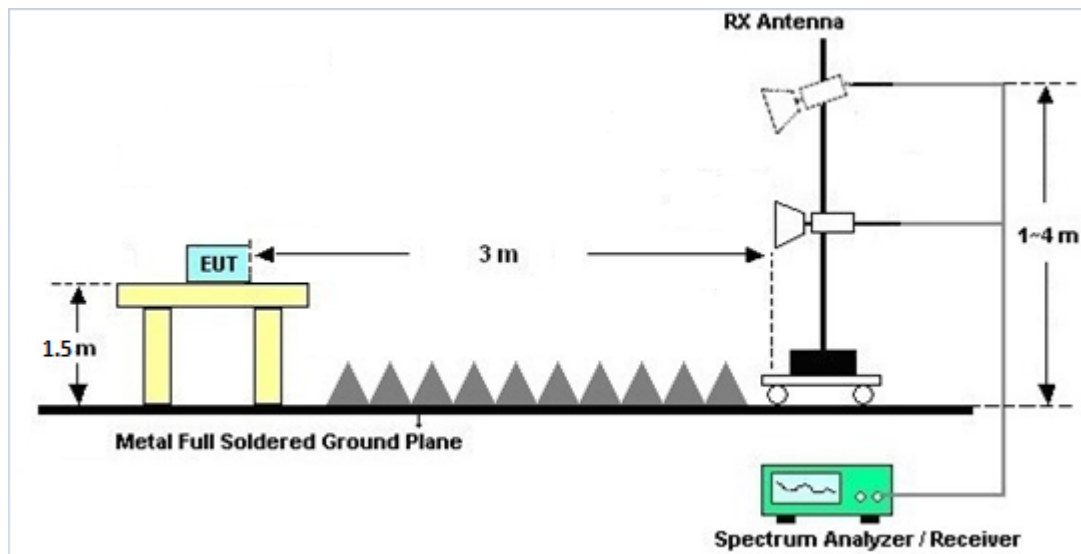
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



### 3.4.5 Test Results of Radiated Spurious 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 a comparison data 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 Spurious at 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 Radiated Spurious Emissions (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 (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15-0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5-5                       | 56                           | 46        |
| 5-30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

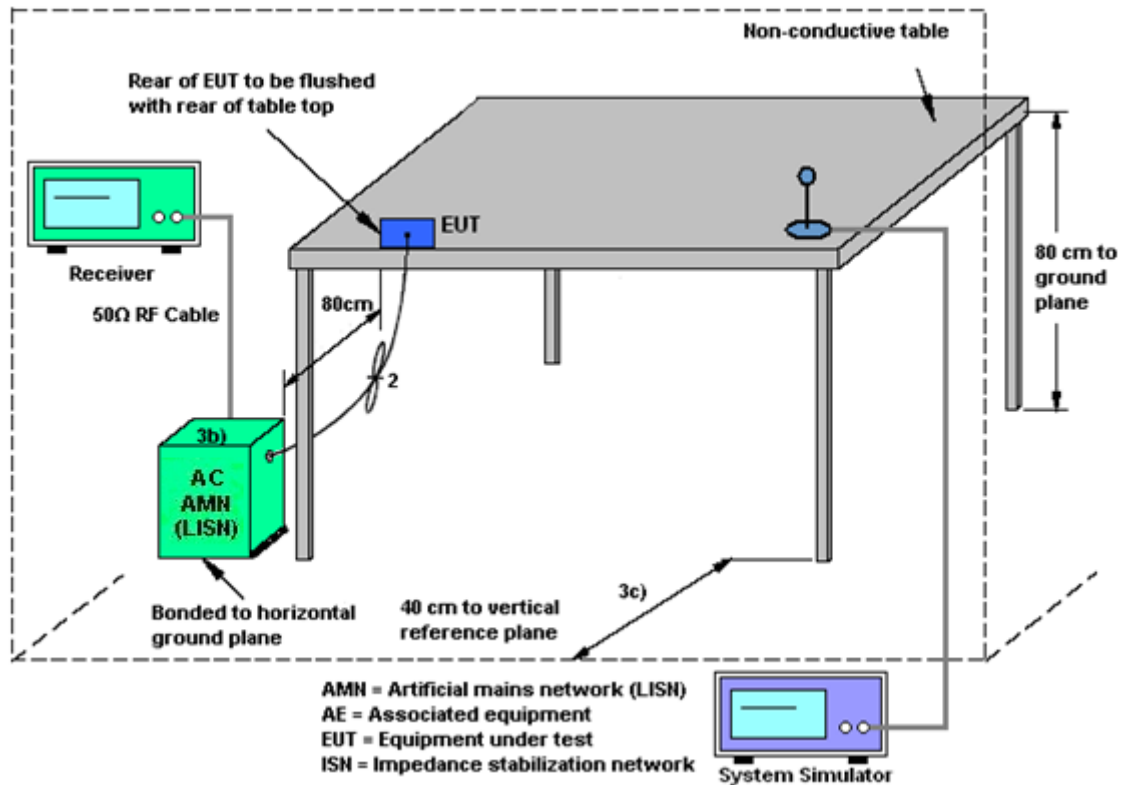
#### 3.5.2 Measuring Instruments

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 should 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 Automatically Discontinue Transmission**

### **3.6.1 Limit of Automatically Discontinue Transmission**

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

### **3.6.2 Measuring Instruments**

See list of measuring equipment of this test report.

### **3.6.3 Test Result of Automatically Discontinue Transmission**

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

### 3.7 Antenna Requirements

#### 3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### 3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

#### 3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain =  $10 \log(\text{NANT}/\text{NSS}=1)$  dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $\text{NANT} \leq 4$ .

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

| <CDD Modes> |        |        |       |       |           |           |
|-------------|--------|--------|-------|-------|-----------|-----------|
|             |        |        | DG    | DG    | Power     | PSD       |
|             |        |        | for   | for   | Limit     | Limit     |
|             | Ant. 0 | Ant. 1 | Power | PSD   | Reduction | Reduction |
|             | (dBi)  | (dBi)  | (dBi) | (dBi) | (dB)      | (dB)      |
| Band I      | 2.60   | 3.00   | 3.00  | 5.81  | 0.00      | 0.00      |

*Power limit reduction = Composite gain – 6dBi, ( min = 0 )*

*PSD limit reduction = Composite gain + PSD Array gain – 6dBi, ( min = 0 )*



## 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                | Jan. 09, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Jan. 08, 2021 | Radiation<br>(03CH15-HY) |
| Bilog Antenna           | TESEQ             | CBL6111D&0<br>0800N1D01N-<br>06      | 41912&05             | 30MHz to 1GHz               | Feb. 09, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Feb. 08, 2021 | Radiation<br>(03CH15-HY) |
| Amplifier               | SONOMA            | 310N                                 | 363440               | 9kHz~1GHz                   | Dec. 27, 2019    | Aug. 14, 2020~<br>Sep. 08, 2020 | Dec. 26, 2020 | Radiation<br>(03CH15-HY) |
| Horn Antenna            | SCHWARZBE<br>CK   | BBHA 9120 D                          | 9120D-162<br>0       | 1-18GHz                     | Oct. 28, 2019    | Aug. 14, 2020~<br>Sep. 08, 2020 | Oct. 27, 2020 | Radiation<br>(03CH15-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK   | BBHA 9170                            | BBHA9170<br>584      | 18GHz- 40GHz                | Dec. 10, 2019    | Aug. 14, 2020~<br>Sep. 08, 2020 | Dec. 09, 2020 | Radiation<br>(03CH15-HY) |
| Preamplifier            | Jet-Power         | JPA0118-55-3<br>03                   | 171000180<br>0055006 | 1GHz~18GHz                  | May 07, 2020     | Aug. 14, 2020~<br>Sep. 08, 2020 | May 06, 2021  | Radiation<br>(03CH15-HY) |
| Preamplifier            | Keysight          | 83017A                               | MY532701<br>95       | 1GHz~26.5GHz                | Aug. 23, 2019    | Aug. 14, 2020~<br>Aug. 21, 2020 | Aug. 22, 2020 | Radiation<br>(03CH15-HY) |
| Preamplifier            | Keysight          | 83017A                               | MY532701<br>95       | 1GHz~26.5GHz                | Aug. 21, 2020    | Aug. 21, 2020~<br>Sep. 08, 2020 | Aug. 20, 2021 | Radiation<br>(03CH15-HY) |
| Preamplifier            | EMEC              | EM18G40G                             | 060715               | 18GHz ~ 40GHz               | Dec. 13, 2019    | Aug. 14, 2020~<br>Sep. 08, 2020 | Dec. 12, 2020 | Radiation<br>(03CH15-HY) |
| EMI Test Receiver       | Keysight          | N9038A(MXE<br>)                      | MY541300<br>85       | 20MHz~8.4GHz                | Nov. 01, 2019    | Aug. 14, 2020~<br>Sep. 08, 2020 | Oct. 31, 2020 | Radiation<br>(03CH15-HY) |
| Spectrum<br>Analyzer    | Agilent           | E4446A                               | MY501801<br>36       | 3Hz~44GHz                   | May 04, 2020     | Aug. 14, 2020~<br>Sep. 08, 2020 | May 03, 2021  | Radiation<br>(03CH15-HY) |
| Antenna Mast            | ChainTek          | MBS-520-1                            | N/A                  | 1m~4m                       | N/A              | Aug. 14, 2020~<br>Sep. 08, 2020 | N/A           | Radiation<br>(03CH15-HY) |
| Turn Table              | ChainTek          | T-200-S-1                            | N/A                  | 0~360 Degree                | N/A              | Aug. 14, 2020~<br>Sep. 08, 2020 | N/A           | Radiation<br>(03CH15-HY) |
| Software                | Audix             | E3<br>6.2009-8-24(k<br>5)            | RK-00045<br>1        | N/A                         | N/A              | Aug. 14, 2020~<br>Sep. 08, 2020 | N/A           | Radiation<br>(03CH15-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY9837/4<br>PE       | 9kHz~30MHz                  | Mar. 12, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Mar. 11, 2021 | Radiation<br>(03CH15-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY36980/<br>4        | 30M-18G                     | Apr. 14, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Apr. 13, 2021 | Radiation<br>(03CH15-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY9838/4<br>PE       | 30M-18G                     | Apr. 14, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Apr. 13, 2021 | Radiation<br>(03CH15-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY37710/<br>4        | 30M-18G                     | Apr. 17, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Apr. 16, 2021 | Radiation<br>(03CH15-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>102                      | 505134/2             | 30MHz-40GHz                 | Feb. 25, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Feb. 24, 2021 | Radiation<br>(03CH15-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>102                      | 800740/2             | 30MHz-40GHz                 | Feb. 25, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Feb. 24, 2021 | Radiation<br>(03CH15-HY) |
| Filter                  | Wainwright        | WLK4-1000-1<br>530-8000-40S<br>S     | SN4                  | 1.53G Low Pass              | Jul. 03, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Jul. 02, 2021 | Radiation<br>(03CH15-HY) |
| Filter                  | Wainwright        | WHKX8-5872.<br>5-6750-18000<br>-40ST | SN6                  | 6.75GHz High<br>Pass Filter | Jul. 03, 2020    | Aug. 14, 2020~<br>Sep. 08, 2020 | Jul. 02, 2021 | Radiation<br>(03CH15-HY) |



| Instrument                   | Brand Name         | Model No.       | Serial No.        | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                  |
|------------------------------|--------------------|-----------------|-------------------|-----------------|------------------|---------------------------------|---------------|-------------------------|
| Hygrometer                   | Testo              | 608-H1          | 34893241          | N/A             | Mar. 02, 2020    | Jul. 25, 2020~<br>Aug. 26, 2020 | Mar. 01, 2021 | Conducted<br>(TH05-HY)  |
| Power Sensor                 | DARE               | RPR3006W        | 16I00054S<br>NO10 | 10MHz~6GHz      | Dec. 23, 2019    | Jul. 25, 2020~<br>Aug. 26, 2020 | Dec. 22, 2020 | Conducted<br>(TH05-HY)  |
| Signal Analyzer              | Rohde &<br>Schwarz | FSV40           | 101397            | 10Hz~40GHz      | Nov. 15, 2019    | Jul. 25, 2020~<br>Aug. 26, 2020 | Nov. 14, 2020 | Conducted<br>(TH05-HY)  |
| Spectrum<br>Analyzer         | Rohde &<br>Schwarz | FSP40           | 100055            | 9kHz~40GHz      | Dec. 30, 2019    | Jul. 25, 2020~<br>Aug. 26, 2020 | Dec. 29, 2020 | Conducted<br>(TH05-HY)  |
| Programmable<br>Power Supply | GW Instek          | GPP-2323        | GES90603<br>7     | 0V~64V ; 0A~6A  | Dec. 13, 2019    | Jul. 25, 2020~<br>Aug. 26, 2020 | Dec. 12, 2020 | Conducted<br>(TH05-HY)  |
| Switch Control<br>Manframe   | EM Electronics     | EMSW18SE        | SW200302          | N/A             | Mar. 17, 2020    | Jul. 25, 2020~<br>Aug. 26, 2020 | Mar. 16, 2021 | Conducted<br>(TH05-HY)  |
| AC Power Source              | ChainTek           | APC-1000W       | N/A               | N/A             | N/A              | Jul. 23, 2020                   | N/A           | Conduction<br>(CO05-HY) |
| EMI Test Receiver            | Rohde &<br>Schwarz | ESR3            | 102388            | 9kHz~3.6GHz     | Nov. 15, 2019    | Jul. 23, 2020                   | Nov. 14, 2020 | Conduction<br>(CO05-HY) |
| Hygrometer                   | Testo              | 608-H1          | 34913912          | N/A             | Nov. 07, 2019    | Jul. 23, 2020                   | Nov. 06, 2020 | Conduction<br>(CO05-HY) |
| LISN                         | Rohde &<br>Schwarz | ENV216          | 100081            | 9kHz~30MHz      | Nov. 15, 2019    | Jul. 23, 2020                   | Nov. 14, 2020 | Conduction<br>(CO05-HY) |
| Software                     | Rohde &<br>Schwarz | EMC32<br>V10.30 | N/A               | N/A             | N/A              | Jul. 23, 2020                   | N/A           | Conduction<br>(CO05-HY) |
| LF Cable                     | HUBER +<br>SUHNER  | RG-214/U        | LF01              | N/A             | Jan. 02, 2020    | Jul. 23, 2020                   | Jan. 01, 2021 | Conduction<br>(CO05-HY) |
| Pulse Limiter                | Rohde &<br>Schwarz | ESH3-Z2         | 100851            | N/A             | Jan. 02, 2020    | Jul. 23, 2020                   | Jan. 01, 2021 | Conduction<br>(CO05-HY) |

## 5 Uncertainty of Evaluation

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.3 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.0 |
|-------------------------------------------------------------------------|-----|

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.4 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.0 |
|-------------------------------------------------------------------------|-----|

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

|                |                       |                    |             |    |
|----------------|-----------------------|--------------------|-------------|----|
| Test Engineer: | Sylvia Li / Kai Liao  | Temperature:       | 23.5 ~ 24.3 | °C |
| Test Date:     | 2020/07/25~2020/08/26 | Relative Humidity: | 49 ~ 55     | %  |

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

| Band I MIMO |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |      |
|-------------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|             |           |     |     |             | Ant 0               | Ant 1 | Ant 0                 | Ant 1 | Ant 0                              | Ant 1 | Ant 0                             | Ant 1 |      |
| 11a         | 6Mbps     | 2   | 36  | 5180        | 16.38               | 16.38 | 20.20                 | 20.70 | -                                  | -     | 22.14                             | -     |      |
| 11a         | 6Mbps     | 2   | 44  | 5220        | 16.38               | 16.38 | 20.65                 | 20.75 | -                                  | -     | 22.14                             | -     |      |
| 11a         | 6Mbps     | 2   | 48  | 5240        | 16.38               | 16.38 | 20.60                 | 20.69 | -                                  | -     | 22.14                             | -     |      |

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

| FCC Band I single antenna |           |     |     |             |                               |       |     |                                 |       |          |       |  |           |
|---------------------------|-----------|-----|-----|-------------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|--|-----------|
| Mod.                      | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       |  | Pass/Fail |
|                           |           |     |     |             | Ant 0                         | Ant 1 | SUM | Ant 0                           | Ant 1 | Ant 0    | Ant 1 |  |           |
| 11a                       | 6Mbps     | 1   | 36  | 5180        | 11.9                          | 12.6  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| 11a                       | 6Mbps     | 1   | 44  | 5220        | 11.8                          | 12.3  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| 11a                       | 6Mbps     | 1   | 48  | 5240        | 11.8                          | 12.5  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| HT20                      | MCS0      | 1   | 36  | 5180        | 11.6                          | 12.4  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| HT20                      | MCS0      | 1   | 44  | 5220        | 11.6                          | 12.1  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| HT20                      | MCS0      | 1   | 48  | 5240        | 11.7                          | 12.3  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| HT40                      | MCS0      | 1   | 38  | 5190        | 11.6                          | 12.2  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| HT40                      | MCS0      | 1   | 46  | 5230        | 11.6                          | 12.1  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| VHT20                     | MCS0      | 1   | 36  | 5180        | 11.5                          | 12.3  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| VHT20                     | MCS0      | 1   | 44  | 5220        | 11.5                          | 12.0  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| VHT20                     | MCS0      | 1   | 48  | 5240        | 11.6                          | 12.2  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| VHT40                     | MCS0      | 1   | 38  | 5190        | 11.6                          | 12.1  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| VHT40                     | MCS0      | 1   | 46  | 5230        | 11.6                          | 11.9  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |
| VHT80                     | MCS0      | 1   | 42  | 5210        | 11.6                          | 12.2  |     | 24.00                           | 24.00 | 2.60     | 3.00  |  | Pass      |

| FCC Band I MIMO |           |     |     |             |                               |       |      |                                 |       |          |       |  |           |
|-----------------|-----------|-----|-----|-------------|-------------------------------|-------|------|---------------------------------|-------|----------|-------|--|-----------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |      | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       |  | Pass/Fail |
|                 |           |     |     |             | Ant 0                         | Ant 1 | SUM  | Ant 0                           | Ant 1 | Ant 0    | Ant 1 |  |           |
| 11a             | 6Mbps     | 2   | 36  | 5180        | 13.2                          | 12.1  | 15.7 | 24.00                           |       | 3.00     |       |  | Pass      |
| 11a             | 6Mbps     | 2   | 44  | 5220        | 13.0                          | 11.9  | 15.5 | 24.00                           |       | 3.00     |       |  | Pass      |
| 11a             | 6Mbps     | 2   | 48  | 5240        | 13.3                          | 12.3  | 15.8 | 24.00                           |       | 3.00     |       |  | Pass      |
| HT20            | MCS0      | 2   | 36  | 5180        | 13.4                          | 12.0  | 15.8 | 24.00                           |       | 3.00     |       |  | Pass      |
| HT20            | MCS0      | 2   | 44  | 5220        | 13.2                          | 11.9  | 15.6 | 24.00                           |       | 3.00     |       |  | Pass      |
| HT20            | MCS0      | 2   | 48  | 5240        | 13.2                          | 11.9  | 15.6 | 24.00                           |       | 3.00     |       |  | Pass      |
| HT40            | MCS0      | 2   | 38  | 5190        | 13.3                          | 12.1  | 15.8 | 24.00                           |       | 3.00     |       |  | Pass      |
| HT40            | MCS0      | 2   | 46  | 5230        | 13.1                          | 11.7  | 15.5 | 24.00                           |       | 3.00     |       |  | Pass      |
| VHT20           | MCS0      | 2   | 36  | 5180        | 13.4                          | 11.9  | 15.7 | 24.00                           |       | 3.00     |       |  | Pass      |
| VHT20           | MCS0      | 2   | 44  | 5220        | 13.1                          | 11.8  | 15.5 | 24.00                           |       | 3.00     |       |  | Pass      |
| VHT20           | MCS0      | 2   | 48  | 5240        | 13.1                          | 11.9  | 15.6 | 24.00                           |       | 3.00     |       |  | Pass      |
| VHT40           | MCS0      | 2   | 38  | 5190        | 13.1                          | 11.9  | 15.6 | 24.00                           |       | 3.00     |       |  | Pass      |
| VHT40           | MCS0      | 2   | 46  | 5230        | 13.1                          | 11.8  | 15.5 | 24.00                           |       | 3.00     |       |  | Pass      |
| VHT80           | MCS0      | 2   | 42  | 5210        | 12.9                          | 11.8  | 15.4 | 24.00                           |       | 3.00     |       |  | Pass      |



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

| FCC Band I MIMO |           |     |     |             |                                 |       |      |                             |       |          |       |            |
|-----------------|-----------|-----|-----|-------------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                 |           |     |     |             | Ant 0                           | Ant 1 | SUM  | Ant 0                       | Ant 1 | Ant 0    | Ant 1 |            |
| 11a             | 6Mbps     | 2   | 36  | 5180        |                                 |       | 5.37 | 11.00                       | 5.81  |          | Pass  |            |
| 11a             | 6Mbps     | 2   | 44  | 5220        |                                 |       | 5.15 | 11.00                       | 5.81  |          | Pass  |            |
| 11a             | 6Mbps     | 2   | 48  | 5240        |                                 |       | 5.44 | 11.00                       | 5.81  |          | Pass  |            |

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

| Band I MIMO |           |                 |     |             |           |                     |       |                       |       |                                    |       |                                   |       |  |      |
|-------------|-----------|-----------------|-----|-------------|-----------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--|------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | RU Config | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       |  | Note |
|             |           |                 |     |             |           | Ant 0               | Ant 1 | Ant 0                 | Ant 1 | Ant 0                              | Ant 1 | Ant 0                             | Ant 1 |  |      |
| HE20        | MCS0      | 2               | 36  | 5180        | Full      | 18.88               | 18.88 | 22.05                 | 22.10 | -                                  |       | 22.76                             |       |  |      |
| HE20        | MCS0      | 2               | 44  | 5220        | Full      | 18.88               | 18.88 | 22.35                 | 22.00 | -                                  |       | 22.76                             |       |  |      |
| HE20        | MCS0      | 2               | 48  | 5240        | Full      | 18.88               | 18.88 | 22.05                 | 21.90 | -                                  |       | 22.76                             |       |  |      |
| HE40        | MCS0      | 2               | 38  | 5190        | Full      | 37.86               | 37.86 | 41.58                 | 41.31 | -                                  |       | 23.01                             |       |  |      |
| HE40        | MCS0      | 2               | 46  | 5230        | Full      | 37.86               | 37.76 | 41.31                 | 41.22 | -                                  |       | 23.01                             |       |  |      |
| HE80        | MCS0      | 2               | 42  | 5210        | Full      | 77.92               | 77.92 | 82.08                 | 82.40 | -                                  |       | 23.01                             |       |  |      |

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

| FCC Band I single antenna |           |     |     |             |           |                               |       |     |                                 |       |          |       |           |
|---------------------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|-----------|
| Mod.                      | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                           |           |     |     |             |           | Ant 0                         | Ant 1 | SUM | Ant 0                           | Ant 1 | Ant 0    | Ant 1 |           |
| HE20                      | MCS0      | 1   | 36  | 5180        | Full      | 11.8                          | 12.5  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 36  | 5180        | 26/0      | 3.7                           | 4.1   |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 36  | 5180        | 52/37     | 6.8                           | 6.3   |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 36  | 5180        | 106/53    | 10.4                          | 9.5   |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 44  | 5220        | Full      | 11.7                          | 12.2  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 44  | 5220        | 26/4      | 4.6                           | 4.0   |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 48  | 5240        | Full      | 11.8                          | 12.4  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 48  | 5240        | 26/8      | 4.0                           | 3.3   |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 48  | 5240        | 52/40     | 7.2                           | 6.4   |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE20                      | MCS0      | 1   | 48  | 5240        | 106/54    | 10.0                          | 9.3   |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE40                      | MCS0      | 1   | 38  | 5190        | Full      | 11.8                          | 12.5  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE40                      | MCS0      | 1   | 38  | 5190        | 242/61    | 10.6                          | 10.1  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE40                      | MCS0      | 1   | 46  | 5230        | Full      | 11.6                          | 12.3  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE40                      | MCS0      | 1   | 46  | 5230        | 242/62    | 10.7                          | 10.1  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE80                      | MCS0      | 1   | 42  | 5210        | Full      | 11.6                          | 12.6  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE80                      | MCS0      | 1   | 42  | 5210        | 484/65    | 10.50                         | 9.90  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |
| HE80                      | MCS0      | 1   | 42  | 5210        | 484/66    | 10.30                         | 9.30  |     | 24.00                           | 24.00 | 2.60     | 3.00  | Pass      |

| FCC Band I MIMO |           |     |     |             |           |                               |       |       |                                 |       |          |       |           |
|-----------------|-----------|-----|-----|-------------|-----------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|                 |           |     |     |             |           | Ant 0                         | Ant 1 | SUM   | Ant 0                           | Ant 1 | Ant 0    | Ant 1 |           |
| HE20            | MCS0      | 2   | 36  | 5180        | Full      | 13.4                          | 12.2  | 15.9  | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 26/0      | 3.8                           | 4.2   | 7.0   | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 52/37     | 6.9                           | 6.4   | 9.7   | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 36  | 5180        | 106/53    | 10.5                          | 9.6   | 13.1  | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      | 13.3                          | 12.0  | 15.7  | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 44  | 5220        | 26/4      | 4.7                           | 4.1   | 7.4   | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      | 13.4                          | 12.1  | 15.8  | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | 26/8      | 4.1                           | 3.4   | 6.8   | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | 52/40     | 7.3                           | 6.5   | 9.9   | 24.00                           |       | 3.00     |       | Pass      |
| HE20            | MCS0      | 2   | 48  | 5240        | 106/54    | 10.1                          | 9.4   | 12.8  | 24.00                           |       | 3.00     |       | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      | 13.5                          | 12.3  | 16.0  | 24.00                           |       | 3.00     |       | Pass      |
| HE40            | MCS0      | 2   | 38  | 5190        | 242/61    | 10.7                          | 10.2  | 13.5  | 24.00                           |       | 3.00     |       | Pass      |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      | 13.5                          | 12.1  | 15.9  | 24.00                           |       | 3.00     |       | Pass      |
| HE40            | MCS0      | 2   | 46  | 5230        | 242/62    | 10.8                          | 10.1  | 13.5  | 24.00                           |       | 3.00     |       | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      | 13.4                          | 12.2  | 15.9  | 24.00                           |       | 3.00     |       | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | 484/65    | 10.60                         | 10.00 | 13.32 | 24.00                           |       | 3.00     |       | Pass      |
| HE80            | MCS0      | 2   | 42  | 5210        | 484/66    | 10.40                         | 9.40  | 12.94 | 24.00                           |       | 3.00     |       | Pass      |

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

| FCC Band I MIMO |           |     |     |             |           |                                 |       |       |                             |       |          |       |            |
|-----------------|-----------|-----|-----|-------------|-----------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.            | Data Rate | NTX | CH. | Freq. (MHz) | RU Config | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|                 |           |     |     |             |           | Ant 0                           | Ant 1 | SUM   | Ant 0                       | Ant 1 | Ant 0    | Ant 1 |            |
| HE20            | MCS0      | 2   | 36  | 5180        | Full      |                                 |       | 5.39  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 36  | 5180        | 26/0      |                                 |       | 5.04  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 36  | 5180        | 52/37     |                                 |       | 4.88  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 36  | 5180        | 106/53    |                                 |       | 5.11  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 44  | 5220        | Full      |                                 |       | 5.17  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 44  | 5220        | 26/4      |                                 |       | 4.50  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 48  | 5240        | Full      |                                 |       | 5.64  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 48  | 5240        | 26/8      |                                 |       | 4.86  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 48  | 5240        | 52/40     |                                 |       | 5.03  | 11.00                       |       | 5.81     |       | Pass       |
| HE20            | MCS0      | 2   | 48  | 5240        | 106/54    |                                 |       | 4.96  | 11.00                       |       | 5.81     |       | Pass       |
| HE40            | MCS0      | 2   | 38  | 5190        | Full      |                                 |       | 2.45  | 11.00                       |       | 5.81     |       | Pass       |
| HE40            | MCS0      | 2   | 38  | 5190        | 242/61    |                                 |       | 1.93  | 11.00                       |       | 5.81     |       | Pass       |
| HE40            | MCS0      | 2   | 46  | 5230        | Full      |                                 |       | 2.33  | 11.00                       |       | 5.81     |       | Pass       |
| HE40            | MCS0      | 2   | 46  | 5230        | 242/62    |                                 |       | 2.11  | 11.00                       |       | 5.81     |       | Pass       |
| HE80            | MCS0      | 2   | 42  | 5210        | Full      |                                 |       | -0.74 | 11.00                       |       | 5.81     |       | Pass       |
| HE80            | MCS0      | 2   | 42  | 5210        | 484/65    |                                 |       | -0.99 | 11.00                       |       | 5.81     |       | Pass       |
| HE80            | MCS0      | 2   | 42  | 5210        | 484/66    |                                 |       | -1.24 | 11.00                       |       | 5.81     |       | Pass       |



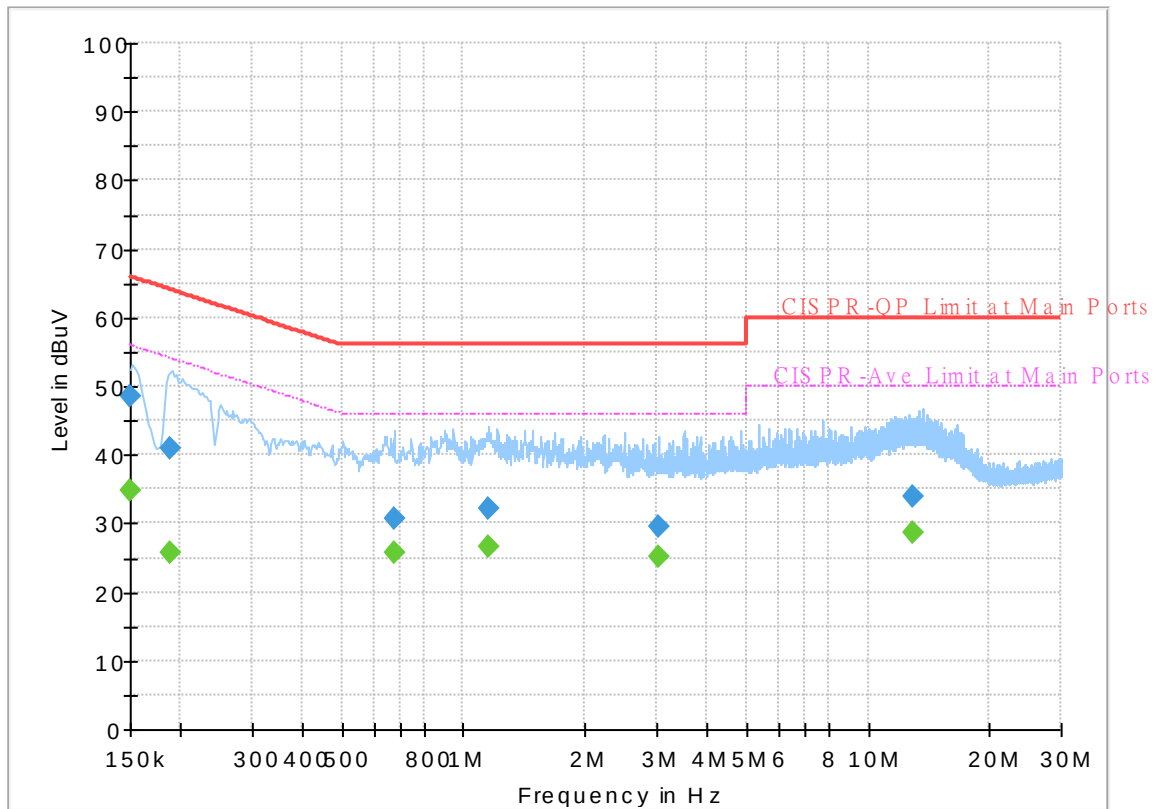
## Appendix B. AC Conducted Emission Test Results

|                 |              |                     |        |
|-----------------|--------------|---------------------|--------|
| Test Engineer : | Howard Huang | Temperature :       | 23~25℃ |
|                 |              | Relative Humidity : | 42~50% |

## EUT Information

Report NO : 041657  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



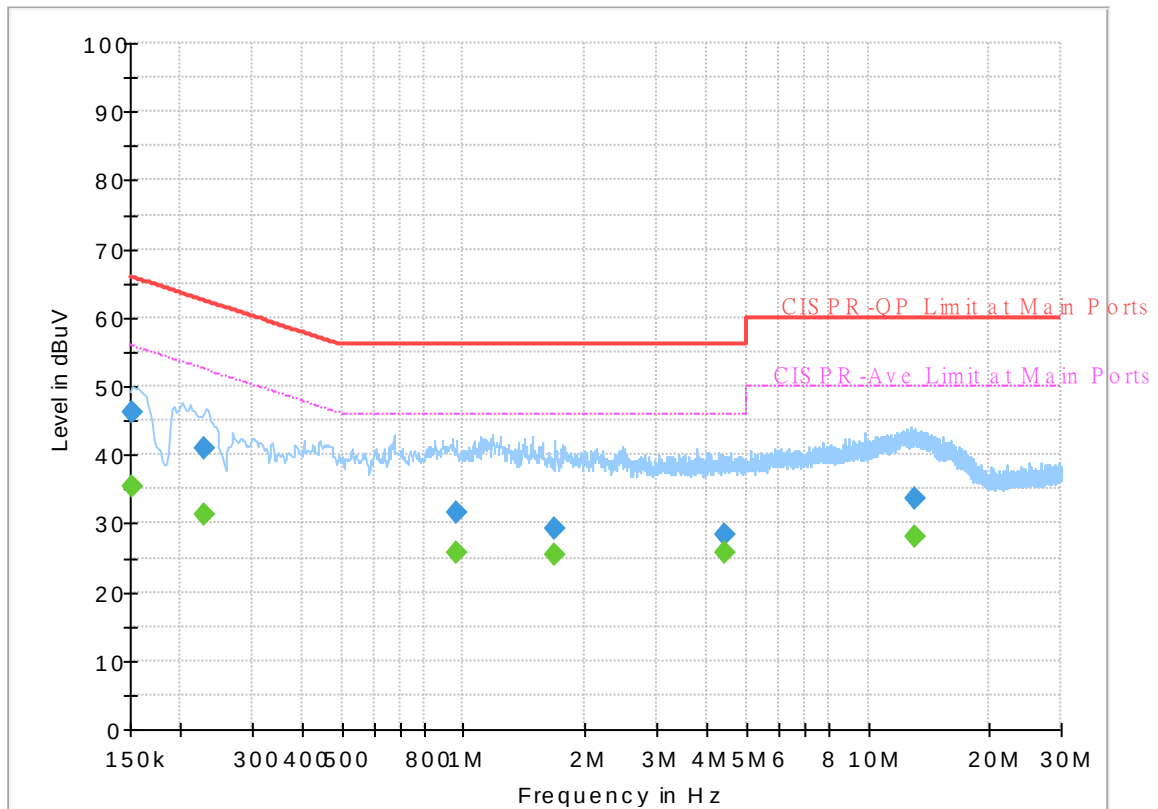
## Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.150000        | 48.66            | ---             | 66.00        | 17.34       | L1   | OFF    | 19.6       |
| 0.150000        | ---              | 34.94           | 56.00        | 21.06       | L1   | OFF    | 19.6       |
| 0.189420        | 40.84            | ---             | 64.06        | 23.22       | L1   | OFF    | 19.6       |
| 0.189420        | ---              | 25.59           | 54.06        | 28.47       | L1   | OFF    | 19.6       |
| 0.678750        | 30.72            | ---             | 56.00        | 25.28       | L1   | OFF    | 19.6       |
| 0.678750        | ---              | 25.60           | 46.00        | 20.40       | L1   | OFF    | 19.6       |
| 1.153950        | 32.25            | ---             | 56.00        | 23.75       | L1   | OFF    | 19.6       |
| 1.153950        | ---              | 26.74           | 46.00        | 19.26       | L1   | OFF    | 19.6       |
| 3.029190        | 29.54            | ---             | 56.00        | 26.46       | L1   | OFF    | 19.7       |
| 3.029190        | ---              | 25.29           | 46.00        | 20.71       | L1   | OFF    | 19.7       |
| 12.871500       | 33.79            | ---             | 60.00        | 26.21       | L1   | OFF    | 20.2       |
| 12.871500       | ---              | 28.51           | 50.00        | 21.49       | L1   | OFF    | 20.2       |

## EUT Information

Report NO : 041657  
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) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.151620        | ---              | 35.26           | 55.91        | 20.65       | N    | OFF    | 19.5       |
| 0.151620        | 46.18            | ---             | 65.91        | 19.73       | N    | OFF    | 19.5       |
| 0.228660        | ---              | 31.21           | 52.50        | 21.29       | N    | OFF    | 19.5       |
| 0.228660        | 40.80            | ---             | 62.50        | 21.70       | N    | OFF    | 19.5       |
| 0.962700        | ---              | 25.86           | 46.00        | 20.14       | N    | OFF    | 19.6       |
| 0.962700        | 31.67            | ---             | 56.00        | 24.33       | N    | OFF    | 19.6       |
| 1.675590        | ---              | 25.42           | 46.00        | 20.58       | N    | OFF    | 19.6       |
| 1.675590        | 29.14            | ---             | 56.00        | 26.86       | N    | OFF    | 19.6       |
| 4.402500        | ---              | 25.67           | 46.00        | 20.33       | N    | OFF    | 19.6       |
| 4.402500        | 28.36            | ---             | 56.00        | 27.64       | N    | OFF    | 19.6       |
| 13.043130       | ---              | 28.14           | 50.00        | 21.86       | N    | OFF    | 19.9       |
| 13.043130       | 33.63            | ---             | 60.00        | 26.37       | N    | OFF    | 19.9       |



## Appendix C. Radiated Spurious Emission

|                 |                                      |                     |           |
|-----------------|--------------------------------------|---------------------|-----------|
| Test Engineer : | Leo Lee, Mancy Chou and Bigshow Wang | Temperature :       | 22.1~24°C |
|                 |                                      | Relative Humidity : | 45~59%    |

### Band 1 - 5150~5250MHz

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

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+1                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5126.88   | 52.39      | -21.61 | 74         | 39.89    | 32.05    | 10.46  | 30.01  | 100    | 297     | P       | H       |
|                             |      | 5150      | 42.33      | -11.67 | 54         | 29.75    | 32.1     | 10.49  | 30.01  | 100    | 297     | A       | H       |
|                             | *    | 5180      | 108.27     | -      | -          | 95.82    | 31.92    | 10.54  | 30.01  | 100    | 297     | P       | H       |
|                             | *    | 5180      | 100.41     | -      | -          | 87.96    | 31.92    | 10.54  | 30.01  | 100    | 297     | A       | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      | 5148.2    | 52.62      | -21.38 | 74         | 40.04    | 32.1     | 10.49  | 30.01  | 371    | 298     | P       | V       |
|                             |      | 5149.24   | 42.05      | -11.95 | 54         | 29.47    | 32.1     | 10.49  | 30.01  | 371    | 298     | A       | V       |
|                             | *    | 5180      | 106.73     | -      | -          | 94.28    | 31.92    | 10.54  | 30.01  | 371    | 298     | P       | V       |
|                             | *    | 5180      | 99.24      | -      | -          | 86.79    | 31.92    | 10.54  | 30.01  | 371    | 298     | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5140.92   | 52.23      | -21.77 | 74         | 39.68    | 32.08    | 10.48  | 30.01  | 100    | 297     | P       | H       |
|                             |      | 5091.78   | 42.12      | -11.88 | 54         | 29.74    | 31.98    | 10.41  | 30.01  | 100    | 297     | A       | H       |
|                             | *    | 5220      | 107.11     | -      | -          | 94.86    | 31.68    | 10.58  | 30.01  | 100    | 297     | P       | H       |
|                             | *    | 5220      | 99.31      | -      | -          | 87.06    | 31.68    | 10.58  | 30.01  | 100    | 297     | A       | H       |
|                             |      | 5371.52   | 52.04      | -21.96 | 74         | 39.86    | 31.53    | 10.65  | 30     | 100    | 297     | P       | H       |
|                             |      | 5405.68   | 41.96      | -12.04 | 54         | 29.59    | 31.7     | 10.67  | 30     | 100    | 297     | A       | H       |
|                             |      | 5054.86   | 51.88      | -22.12 | 74         | 39.64    | 31.91    | 10.35  | 30.02  | 345    | 294     | P       | V       |
|                             |      | 5100.88   | 41.86      | -12.14 | 54         | 29.45    | 32       | 10.42  | 30.01  | 345    | 294     | A       | V       |
|                             | *    | 5220      | 106.23     | -      | -          | 93.98    | 31.68    | 10.58  | 30.01  | 345    | 294     | P       | V       |
|                             | *    | 5220      | 98.66      | -      | -          | 86.41    | 31.68    | 10.58  | 30.01  | 345    | 294     | A       | V       |
|                             |      | 5440.12   | 51.84      | -22.16 | 74         | 39.42    | 31.7     | 10.71  | 29.99  | 345    | 294     | P       | V       |
|                             |      | 5416.6    | 41.76      | -12.24 | 54         | 29.38    | 31.7     | 10.68  | 30     | 345    | 294     | A       | V       |





|                                                  |                                                                                             |         |        |        |    |       |       |       |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5122.72 | 53.35  | -20.65 | 74 | 40.86 | 32.05 | 10.45 | 30.01 | 100 | 296 | P | H |
|                                                  |                                                                                             | 5091.78 | 42.93  | -11.07 | 54 | 30.55 | 31.98 | 10.41 | 30.01 | 100 | 296 | A | H |
|                                                  | *                                                                                           | 5240    | 111.06 | -      | -  | 98.92 | 31.56 | 10.59 | 30.01 | 100 | 296 | P | H |
|                                                  | *                                                                                           | 5240    | 103.26 | -      | -  | 91.12 | 31.56 | 10.59 | 30.01 | 100 | 296 | A | H |
|                                                  |                                                                                             | 5390.84 | 52.4   | -21.6  | 74 | 40.09 | 31.65 | 10.66 | 30    | 100 | 296 | P | H |
|                                                  |                                                                                             | 5399.52 | 42.37  | -11.63 | 54 | 30.01 | 31.7  | 10.66 | 30    | 100 | 296 | A | H |
|                                                  |                                                                                             | 5138.32 | 52.26  | -21.74 | 74 | 39.71 | 32.08 | 10.48 | 30.01 | 340 | 295 | P | V |
|                                                  |                                                                                             | 5105.04 | 42.27  | -11.73 | 54 | 29.84 | 32.01 | 10.43 | 30.01 | 340 | 295 | A | V |
|                                                  | *                                                                                           | 5240    | 110.34 | -      | -  | 98.2  | 31.56 | 10.59 | 30.01 | 340 | 295 | P | V |
|                                                  | *                                                                                           | 5240    | 102.59 | -      | -  | 90.45 | 31.56 | 10.59 | 30.01 | 340 | 295 | A | V |
|                                                  |                                                                                             | 5432    | 52.42  | -21.58 | 74 | 40.01 | 31.7  | 10.7  | 29.99 | 340 | 295 | P | V |
|                                                  |                                                                                             | 5403.72 | 42.03  | -11.97 | 54 | 29.66 | 31.7  | 10.67 | 30    | 340 | 295 | A | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |       |     |     |   |   |



## Band 1 5150~5250MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI<br>Ant.<br>0+1         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 36<br>5180MHz |                                                                                             | 10360                | 49.03               | -19.17                  | 68.2                        | 55.62                   | 39.9                          | 14.41                  | 60.9                       | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15540                | 47.27               | -26.73                  | 74                          | 54.7                    | 38                            | 17.28                  | 62.71                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10360                | 48.57               | -19.63                  | 68.2                        | 55.16                   | 39.9                          | 14.41                  | 60.9                       | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15540                | 46.92               | -27.08                  | 74                          | 54.35                   | 38                            | 17.28                  | 62.71                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440                | 48.25               | -19.95                  | 68.2                        | 54.76                   | 40.1                          | 14.41                  | 61.02                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15660                | 46.73               | -27.27                  | 74                          | 53.94                   | 37.58                         | 17.34                  | 62.13                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10440                | 48.1                | -20.1                   | 68.2                        | 54.61                   | 40.1                          | 14.41                  | 61.02                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15660                | 46.43               | -27.57                  | 74                          | 53.64                   | 37.58                         | 17.34                  | 62.13                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480                | 47.37               | -20.83                  | 68.2                        | 53.93                   | 40.1                          | 14.41                  | 61.07                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15720                | 45.94               | -28.06                  | 74                          | 52.95                   | 37.46                         | 17.37                  | 61.84                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10480                | 48.56               | -19.64                  | 68.2                        | 55.12                   | 40.1                          | 14.41                  | 61.07                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15720                | 46.15               | -27.85                  | 74                          | 53.16                   | 37.46                         | 17.37                  | 61.84                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>0+1                       | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 36<br>5180MHz |      | 5143                 | 51.95               | -22.05                  | 74                          | 39.39                     | 32.09                         | 10.48                  | 30.01                      | 100                  | 298                     | P                       | H               |
|                                           |      | 5150                 | 42.81               | -11.19                  | 54                          | 30.23                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 298                     | A                       | H               |
|                                           | *    | 5180                 | 110.98              | -                       | -                           | 98.53                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 298                     | P                       | H               |
|                                           | *    | 5180                 | 100.55              | -                       | -                           | 88.1                      | 31.92                         | 10.54                  | 30.01                      | 100                  | 298                     | A                       | H               |
|                                           |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |      | 5067.86              | 52.53               | -21.47                  | 74                          | 40.24                     | 31.94                         | 10.37                  | 30.02                      | 347                  | 136                     | P                       | V               |
|                                           |      | 5150                 | 42.2                | -11.8                   | 54                          | 29.62                     | 32.1                          | 10.49                  | 30.01                      | 347                  | 136                     | A                       | V               |
|                                           | *    | 5180                 | 109.83              | -                       | -                           | 97.38                     | 31.92                         | 10.54                  | 30.01                      | 347                  | 136                     | P                       | V               |
|                                           | *    | 5180                 | 99.13               | -                       | -                           | 86.68                     | 31.92                         | 10.54                  | 30.01                      | 347                  | 136                     | A                       | V               |
|                                           |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20 Full<br>CH 44<br>5220MHz |      | 5002.08              | 52.39               | -21.61                  | 74                          | 40.42                     | 31.71                         | 10.28                  | 30.02                      | 100                  | 312                     | P                       | H               |
|                                           |      | 5099.84              | 42.04               | -11.96                  | 54                          | 29.63                     | 32                            | 10.42                  | 30.01                      | 100                  | 312                     | A                       | H               |
|                                           | *    | 5220                 | 110.4               | -                       | -                           | 98.15                     | 31.68                         | 10.58                  | 30.01                      | 100                  | 312                     | P                       | H               |
|                                           | *    | 5220                 | 99.57               | -                       | -                           | 87.32                     | 31.68                         | 10.58                  | 30.01                      | 100                  | 312                     | A                       | H               |
|                                           |      | 5406.8               | 51.67               | -22.33                  | 74                          | 39.3                      | 31.7                          | 10.67                  | 30                         | 100                  | 312                     | P                       | H               |
|                                           |      | 5404                 | 41.87               | -12.13                  | 54                          | 29.5                      | 31.7                          | 10.67                  | 30                         | 100                  | 312                     | A                       | H               |
|                                           |      | 5057.46              | 52.36               | -21.64                  | 74                          | 40.11                     | 31.91                         | 10.36                  | 30.02                      | 346                  | 131                     | P                       | V               |
|                                           |      | 5106.6               | 41.99               | -12.01                  | 54                          | 29.56                     | 32.01                         | 10.43                  | 30.01                      | 346                  | 131                     | A                       | V               |
|                                           | *    | 5220                 | 109.51              | -                       | -                           | 97.26                     | 31.68                         | 10.58                  | 30.01                      | 346                  | 131                     | P                       | V               |
|                                           | *    | 5220                 | 98.62               | -                       | -                           | 86.37                     | 31.68                         | 10.58                  | 30.01                      | 346                  | 131                     | A                       | V               |
|                                           |      | 5411.56              | 52.74               | -21.26                  | 74                          | 40.37                     | 31.7                          | 10.67                  | 30                         | 346                  | 131                     | P                       | V               |
|                                           |      | 5417.44              | 41.83               | -12.17                  | 54                          | 29.44                     | 31.7                          | 10.68                  | 29.99                      | 346                  | 131                     | A                       | V               |



|                                                                       |                                                                                             |         |        |        |    |        |       |       |       |     |     |   |   |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20 Full</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5080.34 | 53.46  | -20.54 | 74 | 41.13  | 31.96 | 10.39 | 30.02 | 100 | 294 | P | H |
|                                                                       |                                                                                             | 5094.12 | 42.95  | -11.05 | 54 | 30.56  | 31.99 | 10.41 | 30.01 | 100 | 294 | A | H |
|                                                                       | *                                                                                           | 5240    | 113.65 | -      | -  | 101.51 | 31.56 | 10.59 | 30.01 | 100 | 294 | P | H |
|                                                                       | *                                                                                           | 5240    | 102.56 | -      | -  | 90.42  | 31.56 | 10.59 | 30.01 | 100 | 294 | A | H |
|                                                                       |                                                                                             | 5382.44 | 52.12  | -21.88 | 74 | 39.88  | 31.59 | 10.65 | 30    | 100 | 294 | P | H |
|                                                                       |                                                                                             | 5402.6  | 42.32  | -11.68 | 54 | 29.96  | 31.7  | 10.66 | 30    | 100 | 294 | A | H |
|                                                                       |                                                                                             | 5106.86 | 52.83  | -21.17 | 74 | 40.4   | 32.01 | 10.43 | 30.01 | 345 | 134 | P | V |
|                                                                       |                                                                                             | 5092.82 | 42.21  | -11.79 | 54 | 29.82  | 31.99 | 10.41 | 30.01 | 345 | 134 | A | V |
|                                                                       | *                                                                                           | 5240    | 112.49 | -      | -  | 100.35 | 31.56 | 10.59 | 30.01 | 345 | 134 | P | V |
|                                                                       | *                                                                                           | 5240    | 101.85 | -      | -  | 89.71  | 31.56 | 10.59 | 30.01 | 345 | 134 | A | V |
|                                                                       |                                                                                             | 5366.48 | 51.24  | -22.76 | 74 | 39.09  | 31.5  | 10.65 | 30    | 345 | 134 | P | V |
|                                                                       |                                                                                             | 5400.92 | 41.89  | -12.11 | 54 | 29.53  | 31.7  | 10.66 | 30    | 345 | 134 | A | V |
| <b>Remark</b>                                                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |       |       |     |     |   |   |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>0+1                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 36<br>5180MHz |                                                                                             | 10360                | 47.75               | -20.45                  | 68.2                        | 54.34                     | 39.9                          | 14.41                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                                           |                                                                                             | 15540                | 47.36               | -26.64                  | 74                          | 54.79                     | 38                            | 17.28                  | 62.71                      | 100                  | 0                       | P                       | H               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |                                                                                             | 10360                | 47.8                | -20.4                   | 68.2                        | 54.39                     | 39.9                          | 14.41                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                                           |                                                                                             | 15540                | 46.76               | -27.24                  | 74                          | 54.19                     | 38                            | 17.28                  | 62.71                      | 100                  | 0                       | P                       | V               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20 Full<br>CH 44<br>5220MHz |                                                                                             | 10440                | 48.05               | -20.15                  | 68.2                        | 54.56                     | 40.1                          | 14.41                  | 61.02                      | 100                  | 0                       | P                       | H               |
|                                           |                                                                                             | 15660                | 46.52               | -27.48                  | 74                          | 53.73                     | 37.58                         | 17.34                  | 62.13                      | 100                  | 0                       | P                       | H               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |                                                                                             | 10440                | 47.92               | -20.28                  | 68.2                        | 54.43                     | 40.1                          | 14.41                  | 61.02                      | 100                  | 0                       | P                       | V               |
|                                           |                                                                                             | 15660                | 46.43               | -27.57                  | 74                          | 53.64                     | 37.58                         | 17.34                  | 62.13                      | 100                  | 0                       | P                       | V               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20 Full<br>CH 48<br>5240MHz |                                                                                             | 10480                | 47.62               | -20.58                  | 68.2                        | 54.18                     | 40.1                          | 14.41                  | 61.07                      | 100                  | 0                       | P                       | H               |
|                                           |                                                                                             | 15720                | 45.2                | -28.8                   | 74                          | 52.21                     | 37.46                         | 17.37                  | 61.84                      | 100                  | 0                       | P                       | H               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                           |                                                                                             | 10480                | 47.91               | -20.29                  | 68.2                        | 54.47                     | 40.1                          | 14.41                  | 61.07                      | 100                  | 0                       | P                       | V               |
|                                           |                                                                                             | 15720                | 46.18               | -27.82                  | 74                          | 53.19                     | 37.46                         | 17.37                  | 61.84                      | 100                  | 0                       | P                       | V               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>0+1                                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 36<br>5180MHz |      | 5047.58              | 52.97               | -21.03                  | 74                          | 40.76                     | 31.89                         | 10.34                  | 30.02                      | 100                  | 311                     | P                       | H               |
|                                                      |      | 5123.76              | 41.97               | -12.03                  | 54                          | 29.47                     | 32.05                         | 10.46                  | 30.01                      | 100                  | 311                     | A                       | H               |
|                                                      | *    | 5180                 | 111.04              | -                       | -                           | 98.59                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 311                     | P                       | H               |
|                                                      | *    | 5180                 | 101.38              | -                       | -                           | 88.93                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 311                     | A                       | H               |
|                                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                      |      | 5103.22              | 53.21               | -20.79                  | 74                          | 40.78                     | 32.01                         | 10.43                  | 30.01                      | 107                  | 250                     | P                       | V               |
|                                                      |      | 5124.28              | 41.92               | -12.08                  | 54                          | 29.42                     | 32.05                         | 10.46                  | 30.01                      | 107                  | 250                     | A                       | V               |
|                                                      | *    | 5180                 | 109.78              | -                       | -                           | 97.33                     | 31.92                         | 10.54                  | 30.01                      | 107                  | 250                     | P                       | V               |
|                                                      | *    | 5180                 | 100.07              | -                       | -                           | 87.62                     | 31.92                         | 10.54                  | 30.01                      | 107                  | 250                     | A                       | V               |
|                                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>Partial 26/4<br>CH 44<br>5220MHz |      | 5054.86              | 52.98               | -21.02                  | 74                          | 40.74                     | 31.91                         | 10.35                  | 30.02                      | 100                  | 311                     | P                       | H               |
|                                                      |      | 5099.58              | 41.93               | -12.07                  | 54                          | 29.52                     | 32                            | 10.42                  | 30.01                      | 100                  | 311                     | A                       | H               |
|                                                      | *    | 5220                 | 112.05              | -                       | -                           | 99.8                      | 31.68                         | 10.58                  | 30.01                      | 100                  | 311                     | P                       | H               |
|                                                      | *    | 5220                 | 101.1               | -                       | -                           | 88.85                     | 31.68                         | 10.58                  | 30.01                      | 100                  | 311                     | A                       | H               |
|                                                      |      | 5365.92              | 53.08               | -20.92                  | 74                          | 40.93                     | 31.5                          | 10.65                  | 30                         | 100                  | 311                     | P                       | H               |
|                                                      |      | 5423.6               | 41.8                | -12.2                   | 54                          | 29.4                      | 31.7                          | 10.69                  | 29.99                      | 100                  | 311                     | A                       | H               |
|                                                      |      | 5107.38              | 52.78               | -21.22                  | 74                          | 40.35                     | 32.01                         | 10.43                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                      |      | 5107.38              | 41.88               | -12.12                  | 54                          | 29.45                     | 32.01                         | 10.43                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                      | *    | 5220                 | 110.01              | -                       | -                           | 97.76                     | 31.68                         | 10.58                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                      | *    | 5220                 | 100.46              | -                       | -                           | 88.21                     | 31.68                         | 10.58                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                      |      | 5398.68              | 52.3                | -21.7                   | 74                          | 39.95                     | 31.69                         | 10.66                  | 30                         | 100                  | 250                     | P                       | V               |
|                                                      |      | 5459.16              | 41.75               | -12.25                  | 54                          | 29.26                     | 31.75                         | 10.73                  | 29.99                      | 100                  | 250                     | A                       | V               |



| WIFI<br>Ant.<br>0+1                                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 48<br>5240MHz |                                                                                             | 5101.14              | 52.74               | -21.26                  | 74                          | 40.33                   | 32                            | 10.42                  | 30.01                      | 100                  | 312                     | P                     | H             |
|                                                      |                                                                                             | 5098.54              | 41.92               | -12.08                  | 54                          | 29.51                   | 32                            | 10.42                  | 30.01                      | 100                  | 312                     | A                     | H             |
|                                                      | *                                                                                           | 5240                 | 112.72              | -                       | -                           | 100.58                  | 31.56                         | 10.59                  | 30.01                      | 100                  | 312                     | P                     | H             |
|                                                      | *                                                                                           | 5240                 | 101.99              | -                       | -                           | 89.85                   | 31.56                         | 10.59                  | 30.01                      | 100                  | 312                     | A                     | H             |
|                                                      |                                                                                             | 5400.64              | 52.56               | -21.44                  | 74                          | 40.2                    | 31.7                          | 10.66                  | 30                         | 100                  | 312                     | P                     | H             |
|                                                      |                                                                                             | 5416.88              | 41.78               | -12.22                  | 54                          | 29.39                   | 31.7                          | 10.68                  | 29.99                      | 100                  | 312                     | A                     | H             |
|                                                      |                                                                                             | 5108.16              | 52.88               | -21.12                  | 74                          | 40.44                   | 32.02                         | 10.43                  | 30.01                      | 108                  | 250                     | P                     | V             |
|                                                      |                                                                                             | 5107.38              | 41.91               | -12.09                  | 54                          | 29.48                   | 32.01                         | 10.43                  | 30.01                      | 108                  | 250                     | A                     | V             |
|                                                      | *                                                                                           | 5240                 | 111.1               | -                       | -                           | 98.96                   | 31.56                         | 10.59                  | 30.01                      | 108                  | 250                     | P                     | V             |
|                                                      | *                                                                                           | 5240                 | 100.43              | -                       | -                           | 88.29                   | 31.56                         | 10.59                  | 30.01                      | 108                  | 250                     | A                     | V             |
|                                                      |                                                                                             | 5410.44              | 52.77               | -21.23                  | 74                          | 40.4                    | 31.7                          | 10.67                  | 30                         | 108                  | 250                     | P                     | V             |
|                                                      |                                                                                             | 5458.88              | 41.76               | -12.24                  | 54                          | 29.27                   | 31.75                         | 10.73                  | 29.99                      | 108                  | 250                     | A                     | V             |
| Remark                                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>0+1                                      | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 36<br>5180MHz |                                                                                             | 5128.96              | 52.73               | -21.27                  | 74                          | 40.22                     | 32.06                         | 10.46                  | 30.01                      | 100                  | 309                     | P                       | H               |
|                                                          |                                                                                             | 5125.06              | 42.12               | -11.88                  | 54                          | 29.62                     | 32.05                         | 10.46                  | 30.01                      | 100                  | 309                     | A                       | H               |
|                                                          | *                                                                                           | 5180                 | 112.29              | -                       | -                           | 99.84                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 309                     | P                       | H               |
|                                                          | *                                                                                           | 5180                 | 101.66              | -                       | -                           | 89.21                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 309                     | A                       | H               |
|                                                          |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                          |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                          |                                                                                             | 5128.96              | 53.55               | -20.45                  | 74                          | 41.04                     | 32.06                         | 10.46                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                          |                                                                                             | 5125.32              | 42                  | -12                     | 54                          | 29.5                      | 32.05                         | 10.46                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                          | *                                                                                           | 5180                 | 111.09              | -                       | -                           | 98.64                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                          | *                                                                                           | 5180                 | 100.5               | -                       | -                           | 88.05                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                          |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                          |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>Partial<br>52/40<br>CH 48<br>5240MHz |                                                                                             | 5100.36              | 52.88               | -21.12                  | 74                          | 40.47                     | 32                            | 10.42                  | 30.01                      | 100                  | 312                     | P                       | H               |
|                                                          |                                                                                             | 5101.4               | 42.03               | -11.97                  | 54                          | 29.62                     | 32                            | 10.42                  | 30.01                      | 100                  | 312                     | A                       | H               |
|                                                          | *                                                                                           | 5240                 | 112.14              | -                       | -                           | 100                       | 31.56                         | 10.59                  | 30.01                      | 100                  | 312                     | P                       | H               |
|                                                          | *                                                                                           | 5240                 | 102.14              | -                       | -                           | 90                        | 31.56                         | 10.59                  | 30.01                      | 100                  | 312                     | A                       | H               |
|                                                          |                                                                                             | 5421.08              | 52.54               | -21.46                  | 74                          | 40.14                     | 31.7                          | 10.69                  | 29.99                      | 100                  | 312                     | P                       | H               |
|                                                          |                                                                                             | 5422.76              | 41.86               | -12.14                  | 54                          | 29.46                     | 31.7                          | 10.69                  | 29.99                      | 100                  | 312                     | A                       | H               |
|                                                          |                                                                                             | 5140.4               | 53.67               | -20.33                  | 74                          | 41.12                     | 32.08                         | 10.48                  | 30.01                      | 106                  | 250                     | P                       | V               |
|                                                          |                                                                                             | 5106.08              | 41.95               | -12.05                  | 54                          | 29.52                     | 32.01                         | 10.43                  | 30.01                      | 106                  | 250                     | A                       | V               |
|                                                          | *                                                                                           | 5240                 | 110.9               | -                       | -                           | 98.76                     | 31.56                         | 10.59                  | 30.01                      | 106                  | 250                     | P                       | V               |
|                                                          | *                                                                                           | 5240                 | 100.77              | -                       | -                           | 88.63                     | 31.56                         | 10.59                  | 30.01                      | 106                  | 250                     | A                       | V               |
|                                                          |                                                                                             | 5438.44              | 52.19               | -21.81                  | 74                          | 39.77                     | 31.7                          | 10.71                  | 29.99                      | 106                  | 250                     | P                       | V               |
|                                                          |                                                                                             | 5425.28              | 41.79               | -12.21                  | 54                          | 29.39                     | 31.7                          | 10.69                  | 29.99                      | 106                  | 250                     | A                       | V               |
| Remark                                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |





## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>0+1                                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 36<br>5180MHz |                                                                                             | 5042.38              | 53.13               | -20.87                  | 74                          | 40.94                     | 31.87                         | 10.34                  | 30.02                      | 100                  | 308                     | P                       | H               |
|                                                           |                                                                                             | 5124.54              | 42.11               | -11.89                  | 54                          | 29.61                     | 32.05                         | 10.46                  | 30.01                      | 100                  | 308                     | A                       | H               |
|                                                           | *                                                                                           | 5180                 | 112.98              | -                       | -                           | 100.53                    | 31.92                         | 10.54                  | 30.01                      | 100                  | 308                     | P                       | H               |
|                                                           | *                                                                                           | 5180                 | 101.71              | -                       | -                           | 89.26                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 308                     | A                       | H               |
|                                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                           |                                                                                             | 5147.94              | 53.39               | -20.61                  | 74                          | 40.81                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 249                     | P                       | V               |
|                                                           |                                                                                             | 5125.32              | 42.02               | -11.98                  | 54                          | 29.52                     | 32.05                         | 10.46                  | 30.01                      | 100                  | 249                     | A                       | V               |
|                                                           | *                                                                                           | 5180                 | 111.73              | -                       | -                           | 99.28                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 249                     | P                       | V               |
|                                                           | *                                                                                           | 5180                 | 100.93              | -                       | -                           | 88.48                     | 31.92                         | 10.54                  | 30.01                      | 100                  | 249                     | A                       | V               |
|                                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                           |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ax<br>HE20<br>Partial<br>106/54<br>CH 48<br>5240MHz |                                                                                             | 5094.38              | 52.73               | -21.27                  | 74                          | 40.34                     | 31.99                         | 10.41                  | 30.01                      | 104                  | 309                     | P                       | H               |
|                                                           |                                                                                             | 5102.18              | 41.85               | -12.15                  | 54                          | 29.44                     | 32                            | 10.42                  | 30.01                      | 104                  | 309                     | A                       | H               |
|                                                           | *                                                                                           | 5240                 | 111.4               | -                       | -                           | 99.26                     | 31.56                         | 10.59                  | 30.01                      | 104                  | 309                     | P                       | H               |
|                                                           | *                                                                                           | 5240                 | 100.93              | -                       | -                           | 88.79                     | 31.56                         | 10.59                  | 30.01                      | 104                  | 309                     | A                       | H               |
|                                                           |                                                                                             | 5431.72              | 51.12               | -22.88                  | 74                          | 38.71                     | 31.7                          | 10.7                   | 29.99                      | 104                  | 309                     | P                       | H               |
|                                                           |                                                                                             | 5427.52              | 41.57               | -12.43                  | 54                          | 29.17                     | 31.7                          | 10.69                  | 29.99                      | 104                  | 309                     | A                       | H               |
|                                                           |                                                                                             | 5050.44              | 52.21               | -21.79                  | 74                          | 39.98                     | 31.9                          | 10.35                  | 30.02                      | 111                  | 248                     | P                       | V               |
|                                                           |                                                                                             | 5104                 | 41.76               | -12.24                  | 54                          | 29.33                     | 32.01                         | 10.43                  | 30.01                      | 111                  | 248                     | A                       | V               |
|                                                           | *                                                                                           | 5240                 | 110.6               | -                       | -                           | 98.46                     | 31.56                         | 10.59                  | 30.01                      | 111                  | 248                     | P                       | V               |
|                                                           | *                                                                                           | 5240                 | 99.59               | -                       | -                           | 87.45                     | 31.56                         | 10.59                  | 30.01                      | 111                  | 248                     | A                       | V               |
|                                                           |                                                                                             | 5413.8               | 51.78               | -22.22                  | 74                          | 39.4                      | 31.7                          | 10.68                  | 30                         | 111                  | 248                     | P                       | V               |
|                                                           |                                                                                             | 5460                 | 41.41               | -12.59                  | 54                          | 28.91                     | 31.76                         | 10.73                  | 29.99                      | 111                  | 248                     | A                       | V               |
| Remark                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

## WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>0+1                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 38<br>5190MHz |                                                                                             | 5140.14              | 55.99               | -18.01                  | 74                          | 43.44                     | 32.08                         | 10.48                  | 30.01                      | 100                  | 298                     | P                       | H               |
|                                           |                                                                                             | 5149.5               | 47.4                | -6.6                    | 54                          | 34.82                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 298                     | A                       | H               |
|                                           | *                                                                                           | 5190                 | 107.85              | -                       | -                           | 95.45                     | 31.86                         | 10.55                  | 30.01                      | 100                  | 298                     | P                       | H               |
|                                           | *                                                                                           | 5190                 | 96.82               | -                       | -                           | 84.42                     | 31.86                         | 10.55                  | 30.01                      | 100                  | 298                     | A                       | H               |
|                                           |                                                                                             | 5428.08              | 51.99               | -22.01                  | 74                          | 39.59                     | 31.7                          | 10.69                  | 29.99                      | 100                  | 298                     | P                       | H               |
|                                           |                                                                                             | 5399.24              | 41.88               | -12.12                  | 54                          | 29.52                     | 31.7                          | 10.66                  | 30                         | 100                  | 298                     | A                       | H               |
|                                           |                                                                                             | 5146.9               | 55.04               | -18.96                  | 74                          | 42.47                     | 32.09                         | 10.49                  | 30.01                      | 363                  | 136                     | P                       | V               |
|                                           |                                                                                             | 5150                 | 46.23               | -7.77                   | 54                          | 33.65                     | 32.1                          | 10.49                  | 30.01                      | 363                  | 136                     | A                       | V               |
|                                           | *                                                                                           | 5190                 | 106.68              | -                       | -                           | 94.28                     | 31.86                         | 10.55                  | 30.01                      | 363                  | 136                     | P                       | V               |
|                                           | *                                                                                           | 5190                 | 95.5                | -                       | -                           | 83.1                      | 31.86                         | 10.55                  | 30.01                      | 363                  | 136                     | A                       | V               |
|                                           |                                                                                             | 5368.44              | 52.34               | -21.66                  | 74                          | 40.18                     | 31.51                         | 10.65                  | 30                         | 363                  | 136                     | P                       | V               |
|                                           |                                                                                             | 5458.6               | 41.78               | -12.22                  | 54                          | 29.29                     | 31.75                         | 10.73                  | 29.99                      | 363                  | 136                     | A                       | V               |
| 802.11ax<br>HE40 Full<br>CH 46<br>5230MHz |                                                                                             | 5077.22              | 52.09               | -21.91                  | 74                          | 39.77                     | 31.95                         | 10.39                  | 30.02                      | 110                  | 312                     | P                       | H               |
|                                           |                                                                                             | 5104.78              | 42.16               | -11.84                  | 54                          | 29.73                     | 32.01                         | 10.43                  | 30.01                      | 110                  | 312                     | A                       | H               |
|                                           | *                                                                                           | 5230                 | 109.4               | -                       | -                           | 97.21                     | 31.62                         | 10.58                  | 30.01                      | 110                  | 312                     | P                       | H               |
|                                           | *                                                                                           | 5230                 | 98.58               | -                       | -                           | 86.39                     | 31.62                         | 10.58                  | 30.01                      | 110                  | 312                     | A                       | H               |
|                                           |                                                                                             | 5397.84              | 52.28               | -21.72                  | 74                          | 39.93                     | 31.69                         | 10.66                  | 30                         | 110                  | 312                     | P                       | H               |
|                                           |                                                                                             | 5406.8               | 41.9                | -12.1                   | 54                          | 29.53                     | 31.7                          | 10.67                  | 30                         | 110                  | 312                     | A                       | H               |
|                                           |                                                                                             | 5135.72              | 52.49               | -21.51                  | 74                          | 39.96                     | 32.07                         | 10.47                  | 30.01                      | 346                  | 132                     | P                       | V               |
|                                           |                                                                                             | 5097.24              | 41.95               | -12.05                  | 54                          | 29.55                     | 31.99                         | 10.42                  | 30.01                      | 346                  | 132                     | A                       | V               |
|                                           | *                                                                                           | 5230                 | 108.56              | -                       | -                           | 96.37                     | 31.62                         | 10.58                  | 30.01                      | 346                  | 132                     | P                       | V               |
|                                           | *                                                                                           | 5230                 | 97.63               | -                       | -                           | 85.44                     | 31.62                         | 10.58                  | 30.01                      | 346                  | 132                     | A                       | V               |
|                                           |                                                                                             | 5434.8               | 51.36               | -22.64                  | 74                          | 38.95                     | 31.7                          | 10.7                   | 29.99                      | 346                  | 132                     | P                       | V               |
|                                           |                                                                                             | 5398.96              | 41.78               | -12.22                  | 54                          | 29.43                     | 31.69                         | 10.66                  | 30                         | 346                  | 132                     | A                       | V               |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

## WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI<br>Ant.<br>0+1                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 38<br>5190MHz |                                                                                             | 10380                | 47.92               | -20.28                  | 68.2                        | 54.44                   | 40                            | 14.41                  | 60.93                      | 100                  | 0                       | P                     | H             |
|                                           |                                                                                             | 15570                | 46.53               | -27.47                  | 74                          | 53.95                   | 37.85                         | 17.29                  | 62.56                      | 100                  | 0                       | P                     | H             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             | 10380                | 47.61               | -20.59                  | 68.2                        | 54.13                   | 40                            | 14.41                  | 60.93                      | 100                  | 0                       | P                     | V             |
|                                           |                                                                                             | 15570                | 47.12               | -26.88                  | 74                          | 54.54                   | 37.85                         | 17.29                  | 62.56                      | 100                  | 0                       | P                     | V             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11ax<br>HE40 Full<br>CH 46<br>5230MHz |                                                                                             | 10460                | 47.55               | -20.65                  | 68.2                        | 54.08                   | 40.1                          | 14.41                  | 61.04                      | 100                  | 0                       | P                     | H             |
|                                           |                                                                                             | 15690                | 46.72               | -27.28                  | 74                          | 53.84                   | 37.52                         | 17.35                  | 61.99                      | 100                  | 0                       | P                     | H             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             | 10460                | 47.15               | -21.05                  | 68.2                        | 53.68                   | 40.1                          | 14.41                  | 61.04                      | 100                  | 0                       | P                     | V             |
|                                           |                                                                                             | 15690                | 46.24               | -27.76                  | 74                          | 53.36                   | 37.52                         | 17.35                  | 61.99                      | 100                  | 0                       | P                     | V             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 5150~5250MHz

## WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

| WIFI<br>Ant.<br>0+1                                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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<br>Partial<br>242/61<br>CH 38<br>5190MHz |                                                                                             | 5150                 | 68.56               | -5.44                   | 74                          | 55.98                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 310                     | P                       | H               |
|                                                           |                                                                                             | 5150                 | 47.8                | -6.2                    | 54                          | 35.22                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 310                     | A                       | H               |
|                                                           | *                                                                                           | 5190                 | 108.75              | -                       | -                           | 96.35                     | 31.86                         | 10.55                  | 30.01                      | 100                  | 310                     | P                       | H               |
|                                                           | *                                                                                           | 5190                 | 98.01               | -                       | -                           | 85.61                     | 31.86                         | 10.55                  | 30.01                      | 100                  | 310                     | A                       | H               |
|                                                           |                                                                                             | 5429.48              | 52.24               | -21.76                  | 74                          | 39.83                     | 31.7                          | 10.7                   | 29.99                      | 100                  | 310                     | P                       | H               |
|                                                           |                                                                                             | 5459.72              | 41.5                | -12.5                   | 54                          | 29                        | 31.76                         | 10.73                  | 29.99                      | 100                  | 310                     | A                       | H               |
|                                                           |                                                                                             | 5150                 | 67.96               | -6.04                   | 74                          | 55.38                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                           |                                                                                             | 5150                 | 47.66               | -6.34                   | 54                          | 35.08                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                           | *                                                                                           | 5190                 | 108.24              | -                       | -                           | 95.84                     | 31.86                         | 10.55                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                           | *                                                                                           | 5190                 | 97.01               | -                       | -                           | 84.61                     | 31.86                         | 10.55                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                           |                                                                                             | 5456.36              | 51.66               | -22.34                  | 74                          | 39.18                     | 31.74                         | 10.73                  | 29.99                      | 100                  | 250                     | P                       | V               |
|                                                           |                                                                                             | 5458.6               | 41.39               | -12.61                  | 54                          | 28.9                      | 31.75                         | 10.73                  | 29.99                      | 100                  | 250                     | A                       | V               |
| 802.11ax<br>HE40<br>Partial<br>242/62<br>CH 46<br>5230MHz |                                                                                             | 5138.32              | 53.74               | -20.26                  | 74                          | 41.19                     | 32.08                         | 10.48                  | 30.01                      | 100                  | 308                     | P                       | H               |
|                                                           |                                                                                             | 5101.92              | 41.86               | -12.14                  | 54                          | 29.45                     | 32                            | 10.42                  | 30.01                      | 100                  | 308                     | A                       | H               |
|                                                           | *                                                                                           | 5230                 | 108.44              | -                       | -                           | 96.25                     | 31.62                         | 10.58                  | 30.01                      | 100                  | 308                     | P                       | H               |
|                                                           | *                                                                                           | 5230                 | 97.72               | -                       | -                           | 85.53                     | 31.62                         | 10.58                  | 30.01                      | 100                  | 308                     | A                       | H               |
|                                                           |                                                                                             | 5390.28              | 53                  | -21                     | 74                          | 40.7                      | 31.64                         | 10.66                  | 30                         | 100                  | 308                     | P                       | H               |
|                                                           |                                                                                             | 5414.64              | 41.55               | -12.45                  | 54                          | 29.17                     | 31.7                          | 10.68                  | 30                         | 100                  | 308                     | A                       | H               |
|                                                           |                                                                                             | 5111.54              | 52.81               | -21.19                  | 74                          | 40.36                     | 32.02                         | 10.44                  | 30.01                      | 100                  | 249                     | P                       | V               |
|                                                           |                                                                                             | 5100.62              | 41.76               | -12.24                  | 54                          | 29.35                     | 32                            | 10.42                  | 30.01                      | 100                  | 249                     | A                       | V               |
|                                                           | *                                                                                           | 5230                 | 106.98              | -                       | -                           | 94.79                     | 31.62                         | 10.58                  | 30.01                      | 100                  | 249                     | P                       | V               |
|                                                           | *                                                                                           | 5230                 | 96.72               | -                       | -                           | 84.53                     | 31.62                         | 10.58                  | 30.01                      | 100                  | 249                     | A                       | V               |
|                                                           |                                                                                             | 5386.36              | 52.57               | -21.43                  | 74                          | 40.3                      | 31.62                         | 10.65                  | 30                         | 100                  | 249                     | P                       | V               |
|                                                           |                                                                                             | 5458.88              | 41.42               | -12.58                  | 54                          | 28.93                     | 31.75                         | 10.73                  | 29.99                      | 100                  | 249                     | A                       | V               |
| Remark                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>0+1                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 42<br>5210MHz |                                                                                             | 5148.98              | 62.83               | -11.17                  | 74                          | 50.67                   | 32.1                          | 10.49                  | 30.43                      | 100                  | 303                     | P                     | H             |
|                                           |                                                                                             | 5149.5               | 48.92               | -5.08                   | 54                          | 36.76                   | 32.1                          | 10.49                  | 30.43                      | 100                  | 303                     | A                     | H             |
|                                           | *                                                                                           | 5210                 | 105.07              | -                       | -                           | 93.19                   | 31.74                         | 10.57                  | 30.43                      | 100                  | 303                     | P                     | H             |
|                                           | *                                                                                           | 5210                 | 94.26               | -                       | -                           | 82.38                   | 31.74                         | 10.57                  | 30.43                      | 100                  | 303                     | A                     | H             |
|                                           |                                                                                             | 5432.84              | 52.6                | -21.4                   | 74                          | 40.63                   | 31.7                          | 10.7                   | 30.43                      | 100                  | 303                     | P                     | H             |
|                                           |                                                                                             | 5411                 | 41.43               | -12.57                  | 54                          | 29.49                   | 31.7                          | 10.67                  | 30.43                      | 100                  | 303                     | A                     | H             |
|                                           |                                                                                             | 5148.72              | 56.61               | -17.39                  | 74                          | 44.45                   | 32.1                          | 10.49                  | 30.43                      | 301                  | 136                     | P                     | V             |
|                                           |                                                                                             | 5147.94              | 46.29               | -7.71                   | 54                          | 34.13                   | 32.1                          | 10.49                  | 30.43                      | 301                  | 136                     | A                     | V             |
|                                           | *                                                                                           | 5210                 | 102.68              | -                       | -                           | 90.8                    | 31.74                         | 10.57                  | 30.43                      | 301                  | 136                     | P                     | V             |
|                                           | *                                                                                           | 5210                 | 92.44               | -                       | -                           | 80.56                   | 31.74                         | 10.57                  | 30.43                      | 301                  | 136                     | A                     | V             |
|                                           |                                                                                             | 5386.92              | 52.36               | -21.64                  | 74                          | 40.52                   | 31.62                         | 10.65                  | 30.43                      | 301                  | 136                     | P                     | V             |
|                                           |                                                                                             | 5424.44              | 41.25               | -12.75                  | 54                          | 29.29                   | 31.7                          | 10.69                  | 30.43                      | 301                  | 136                     | A                     | V             |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 5150~5250MHz

## WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI<br>Ant.<br>0+1                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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 42<br>5210MHz |                                                                                             | 10420                | 47.32               | -20.88                  | 68.2                        | 53.8                    | 40.1                          | 14.41                  | 60.99                      | 100                  | 0                       | P                     | H             |
|                                           |                                                                                             | 15630                | 46.24               | -27.76                  | 74                          | 53.56                   | 37.64                         | 17.32                  | 62.28                      | 100                  | 0                       | P                     | H             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                                             | 10420                | 47.11               | -21.09                  | 68.2                        | 53.59                   | 40.1                          | 14.41                  | 60.99                      | 100                  | 0                       | P                     | V             |
|                                           |                                                                                             | 15630                | 45.83               | -28.17                  | 74                          | 53.15                   | 37.64                         | 17.32                  | 62.28                      | 100                  | 0                       | P                     | V             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 5150~5250MHz

## WIFI 802.11ax HE80 Partial 242 (Band Edge @ 3m)

| WIFI<br>Ant.<br>0+1                                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<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<br>Partial<br>484/65<br>CH 42<br>5210MHz |                                                                                             | 5119.08              | 68.18               | -5.82                   | 74                          | 55.7                      | 32.04                         | 10.45                  | 30.01                      | 100                  | 308                     | P                       | H               |
|                                                           |                                                                                             | 5119.34              | 45.55               | -8.45                   | 54                          | 33.07                     | 32.04                         | 10.45                  | 30.01                      | 100                  | 308                     | A                       | H               |
|                                                           | *                                                                                           | 5210                 | 105.03              | -                       | -                           | 92.73                     | 31.74                         | 10.57                  | 30.01                      | 100                  | 308                     | P                       | H               |
|                                                           | *                                                                                           | 5210                 | 94.42               | -                       | -                           | 82.12                     | 31.74                         | 10.57                  | 30.01                      | 100                  | 308                     | A                       | H               |
|                                                           |                                                                                             | 5404.28              | 52.32               | -21.68                  | 74                          | 39.95                     | 31.7                          | 10.67                  | 30                         | 100                  | 308                     | P                       | H               |
|                                                           |                                                                                             | 5425.84              | 41.5                | -12.5                   | 54                          | 29.1                      | 31.7                          | 10.69                  | 29.99                      | 100                  | 308                     | A                       | H               |
|                                                           |                                                                                             | 5121.16              | 67.69               | -6.31                   | 74                          | 55.21                     | 32.04                         | 10.45                  | 30.01                      | 100                  | 251                     | P                       | V               |
|                                                           |                                                                                             | 5121.42              | 45.37               | -8.63                   | 54                          | 32.89                     | 32.04                         | 10.45                  | 30.01                      | 100                  | 251                     | A                       | V               |
|                                                           | *                                                                                           | 5210                 | 104.57              | -                       | -                           | 92.27                     | 31.74                         | 10.57                  | 30.01                      | 100                  | 251                     | P                       | V               |
|                                                           | *                                                                                           | 5210                 | 93.4                | -                       | -                           | 81.1                      | 31.74                         | 10.57                  | 30.01                      | 100                  | 251                     | A                       | V               |
|                                                           |                                                                                             | 5358.64              | 50.94               | -23.06                  | 74                          | 38.85                     | 31.45                         | 10.64                  | 30                         | 100                  | 251                     | P                       | V               |
|                                                           |                                                                                             | 5459.16              | 41.43               | -12.57                  | 54                          | 28.94                     | 31.75                         | 10.73                  | 29.99                      | 100                  | 251                     | A                       | V               |
| 802.11ax<br>HE80<br>Partial<br>484/66<br>CH 42<br>5210MHz |                                                                                             | 5119.6               | 67.96               | -6.04                   | 74                          | 55.48                     | 32.04                         | 10.45                  | 30.01                      | 100                  | 300                     | P                       | H               |
|                                                           |                                                                                             | 5150                 | 45.65               | -8.35                   | 54                          | 33.07                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 300                     | A                       | H               |
|                                                           | *                                                                                           | 5210                 | 104.6               | -                       | -                           | 92.3                      | 31.74                         | 10.57                  | 30.01                      | 100                  | 300                     | P                       | H               |
|                                                           | *                                                                                           | 5210                 | 94.18               | -                       | -                           | 81.88                     | 31.74                         | 10.57                  | 30.01                      | 100                  | 300                     | A                       | H               |
|                                                           |                                                                                             | 5427.24              | 52.76               | -21.24                  | 74                          | 40.36                     | 31.7                          | 10.69                  | 29.99                      | 100                  | 300                     | P                       | H               |
|                                                           |                                                                                             | 5425.84              | 41.51               | -12.49                  | 54                          | 29.11                     | 31.7                          | 10.69                  | 29.99                      | 100                  | 300                     | A                       | H               |
|                                                           |                                                                                             | 5120.12              | 67.2                | -6.8                    | 74                          | 54.72                     | 32.04                         | 10.45                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                           |                                                                                             | 5150                 | 45.5                | -8.5                    | 54                          | 32.92                     | 32.1                          | 10.49                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                           | *                                                                                           | 5210                 | 103.92              | -                       | -                           | 91.62                     | 31.74                         | 10.57                  | 30.01                      | 100                  | 250                     | P                       | V               |
|                                                           | *                                                                                           | 5210                 | 93.61               | -                       | -                           | 81.31                     | 31.74                         | 10.57                  | 30.01                      | 100                  | 250                     | A                       | V               |
|                                                           |                                                                                             | 5417.16              | 52.21               | -21.79                  | 74                          | 39.82                     | 31.7                          | 10.68                  | 29.99                      | 100                  | 250                     | P                       | V               |
|                                                           |                                                                                             | 5423.88              | 41.4                | -12.6                   | 54                          | 29                        | 31.7                          | 10.69                  | 29.99                      | 100                  | 250                     | A                       | V               |
| Remark                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## Emission below 1GHz

## WIFI 802.11ax HE80 Full (LF @ 3m)

| WIFI                        | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-----------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                        |                                                                            | ( MHz )   | ( dBμV/m ) | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0+1                         |                                                                            |           |            | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ax<br>HE80 Full<br>LF |                                                                            | 79.47     | 25.9       | -14.1  | 40         | 43.65  | 13.57    | 1.2    | 32.52  | -      | -       | P     | H     |
|                             |                                                                            | 122.15    | 24.39      | -19.11 | 43.5       | 37.63  | 17.68    | 1.52   | 32.44  | -      | -       | P     | H     |
|                             |                                                                            | 210.42    | 33         | -10.5  | 43.5       | 48.45  | 14.88    | 2.06   | 32.39  | -      | -       | P     | H     |
|                             |                                                                            | 340.4     | 25.74      | -20.26 | 46         | 35.71  | 19.98    | 2.51   | 32.46  | -      | -       | P     | H     |
|                             |                                                                            | 824.43    | 32.9       | -13.1  | 46         | 32.91  | 27.83    | 4.05   | 31.89  | -      | -       | P     | H     |
|                             |                                                                            | 891.36    | 36         | -10    | 46         | 35.15  | 28.51    | 4.27   | 31.93  | 100    | 0       | P     | H     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                             |                                                                            | 38.73     | 25.07      | -14.93 | 40         | 36.61  | 20       | 0.8    | 32.34  | -      | -       | P     | V     |
|                             |                                                                            | 106.63    | 24.13      | -19.37 | 43.5       | 38.28  | 16.77    | 1.4    | 32.32  | -      | -       | P     | V     |
|                             |                                                                            | 207.51    | 28.72      | -14.78 | 43.5       | 44.17  | 14.88    | 2.05   | 32.38  | -      | -       | P     | V     |
|                             |                                                                            | 722.58    | 33.02      | -12.98 | 46         | 34.74  | 26.97    | 3.74   | 32.43  | -      | -       | P     | V     |
|                             |                                                                            | 824.43    | 36.43      | -9.57  | 46         | 36.44  | 27.83    | 4.05   | 31.89  | 100    | 0       | P     | V     |
|                             |                                                                            | 889.42    | 36.06      | -9.94  | 46         | 35.23  | 28.49    | 4.26   | 31.92  | -      | -       | P     | V     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                             |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |





**Note symbol**

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



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

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+1     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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



## Appendix D. Radiated Spurious Emission

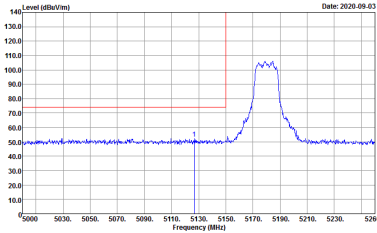
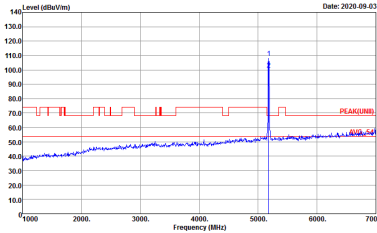
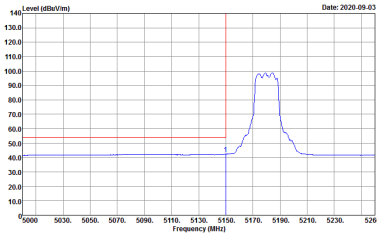
|                 |                                      |                     |           |
|-----------------|--------------------------------------|---------------------|-----------|
| Test Engineer : | Leo Lee, Mancy Chou and Bigshow Wang | Temperature :       | 22.1~24°C |
|                 |                                      | Relative Humidity : | 45~59%    |

### Note symbol

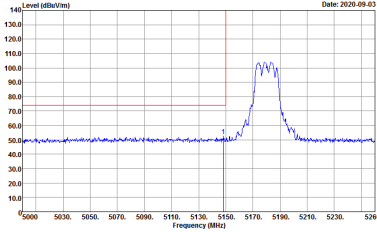
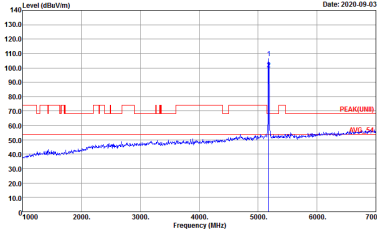
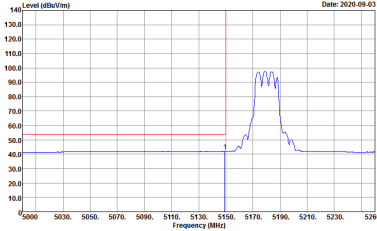
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



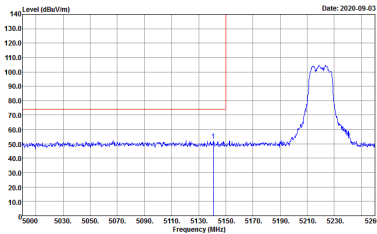
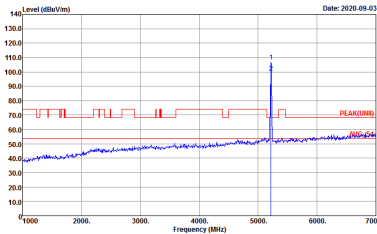
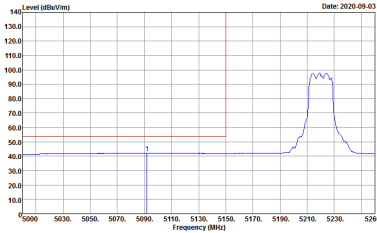
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                       |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(FUND) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |

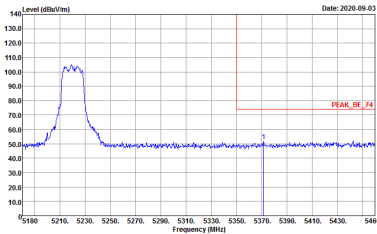
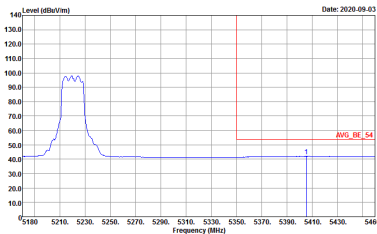


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                               |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                         |

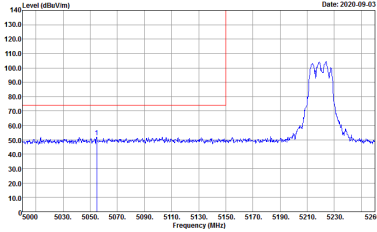
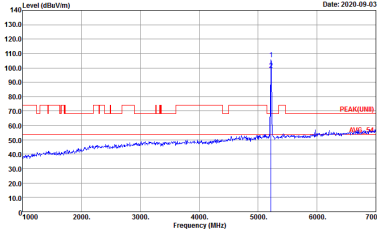
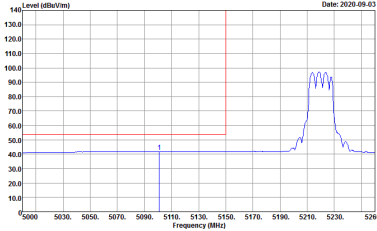


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                   |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |

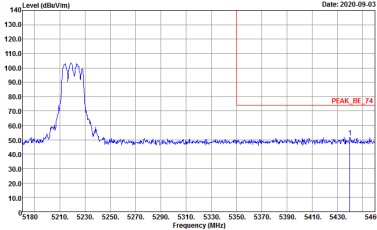
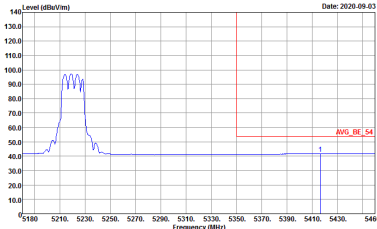


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                          |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

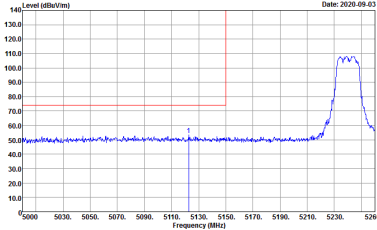
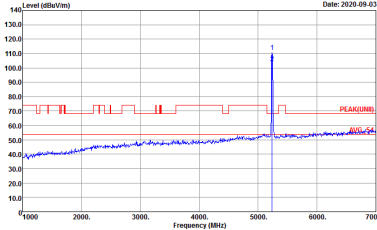
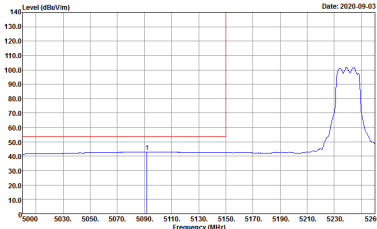


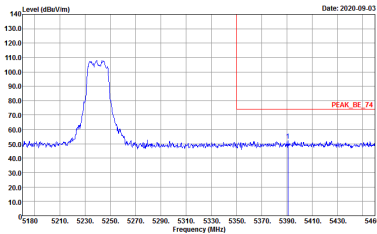
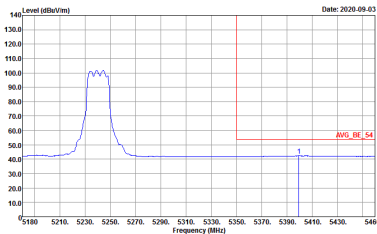
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                         |



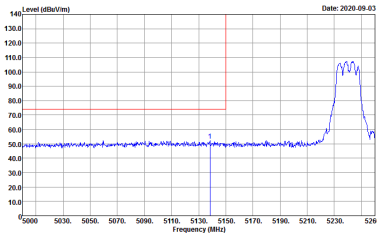
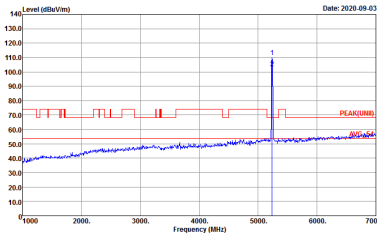
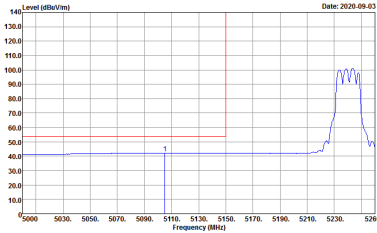
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                    |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                                                                              |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p> | Left blank  |



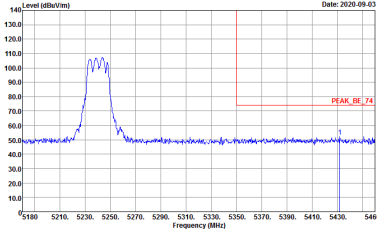
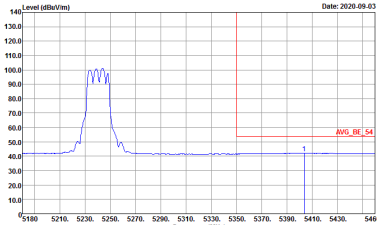
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                             |                                                                                                                                                                                                                      |
| 0+1  | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                           |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |



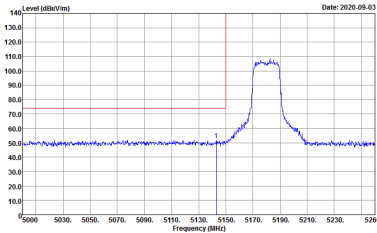
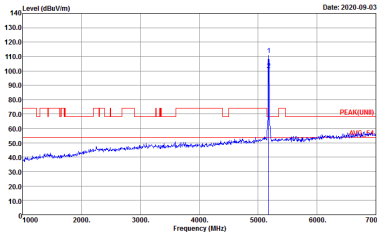
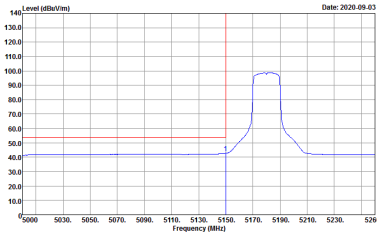
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                         |



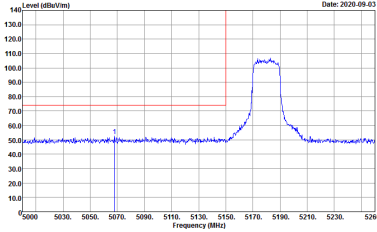
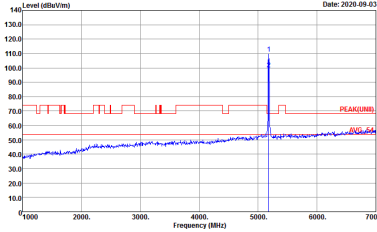
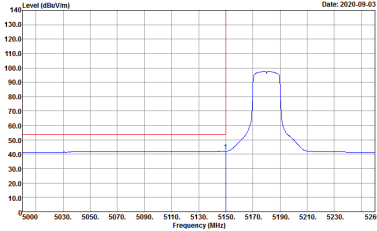
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                        |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |



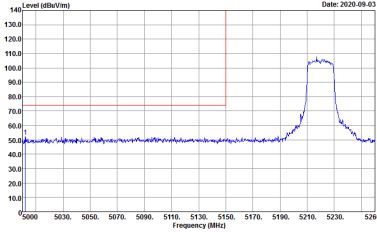
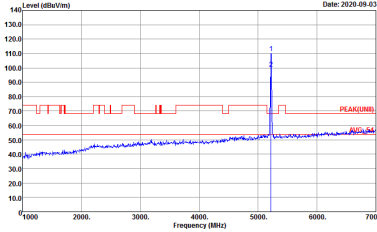
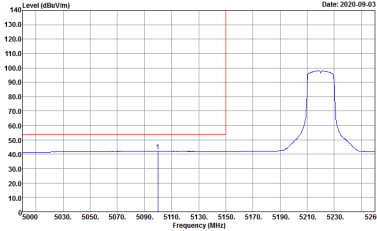
Band 1 5150~5250MHz  
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH36 5180MHz                                                                                                                                                                            |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |

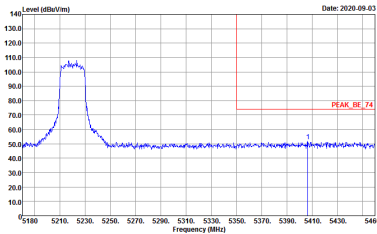
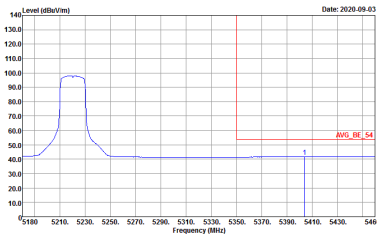


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH36 5180MHz                                                                                                                                                                                    |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                         |

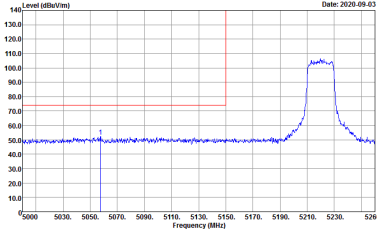
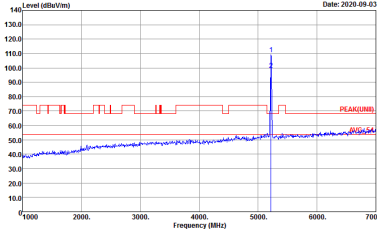
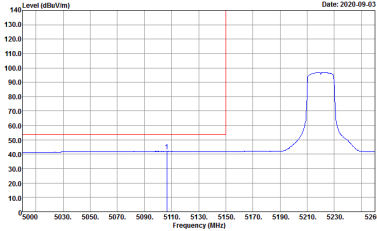


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - L                                                                                                                                                                                  |                                                                                                                                                                                                                      |
| 0+1  | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                           |

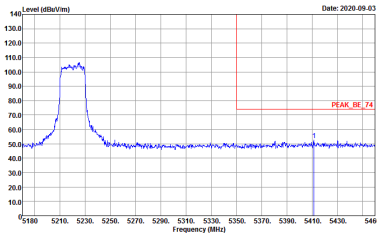
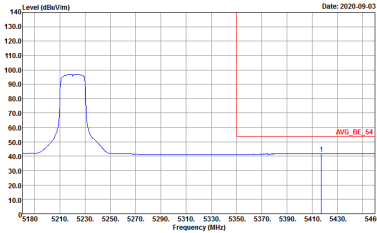


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - R                                                                                                                                                                                                                                                                                     |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p> | Left blank  |

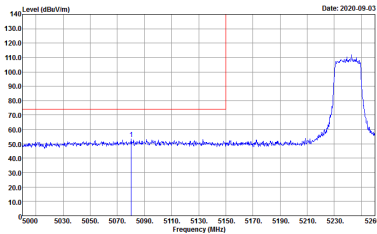
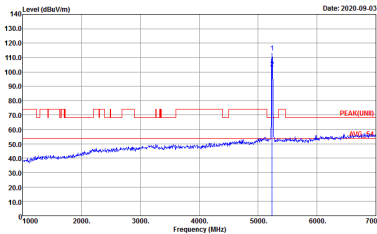
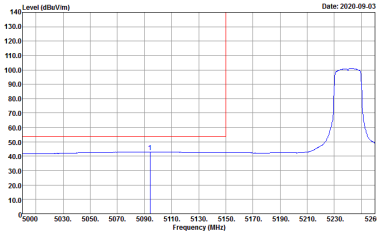


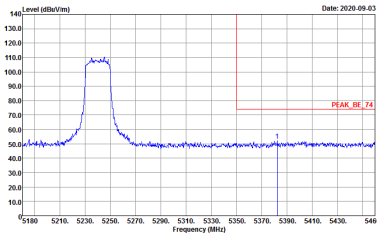
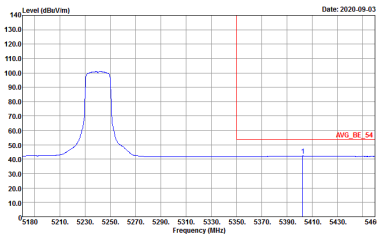
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - L                                                                                                                                                                                |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                         |



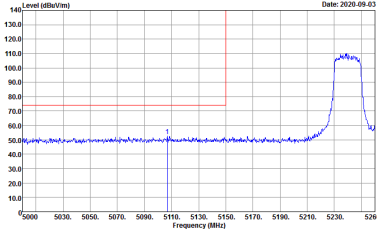
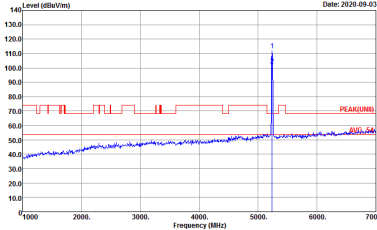
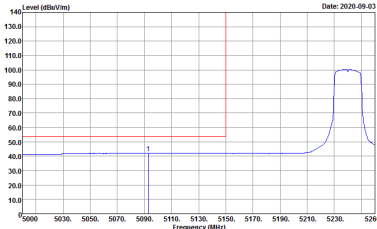
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH44 5220MHz - R                                                                                                                                                                                                                             |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

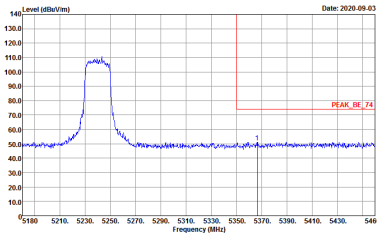
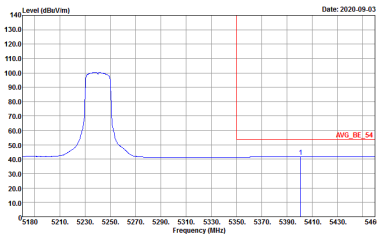


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - L                                                                                                                                                                                  |                                                                                                                                                                                                                      |
| 0+1  | Horizontal                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                           |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - R                                                                                                                                                                                                                     |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |

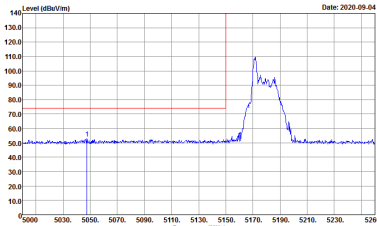
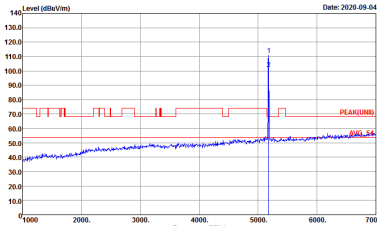
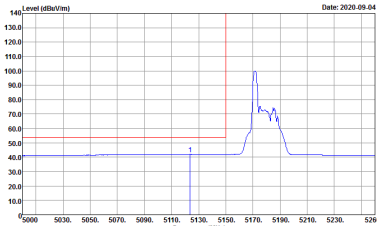


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - L                                                                                                                                                                                |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                         |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                    |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Full CH48 5240MHz - R                                                                                                                                                                                                                   |             |
| 0+1  | Vertical                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |

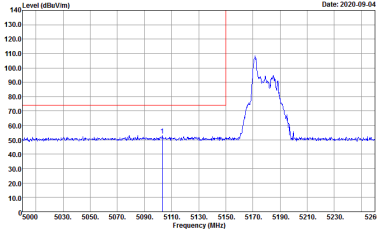
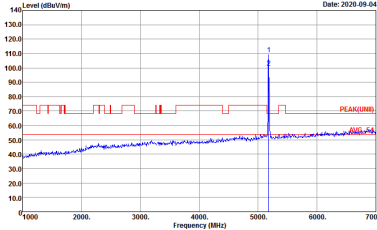
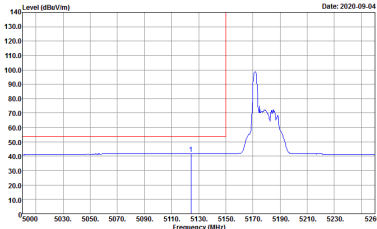


**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)**

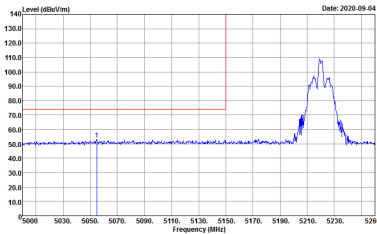
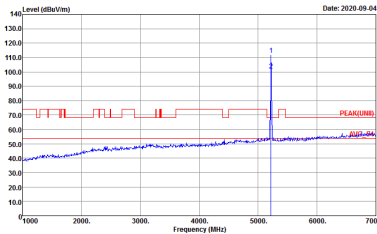
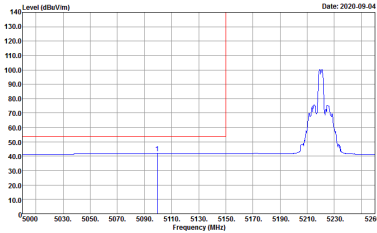
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/0 CH36 5180MHz                                                                                                                                                                    |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |



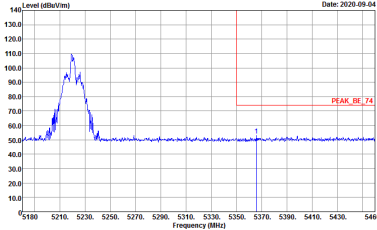
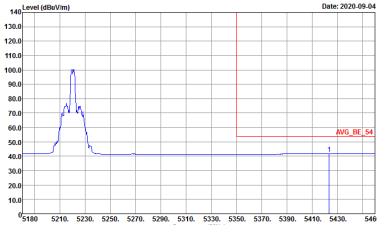


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/0 CH36 5180MHz                                                                                                                                                                            |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                         |

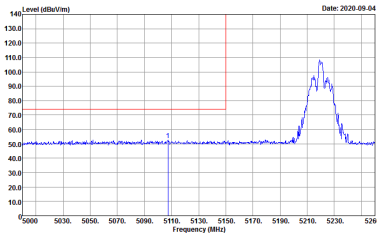
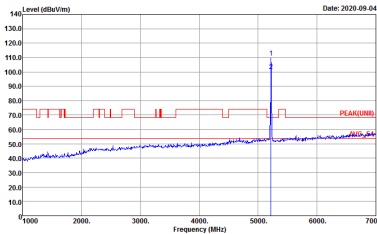
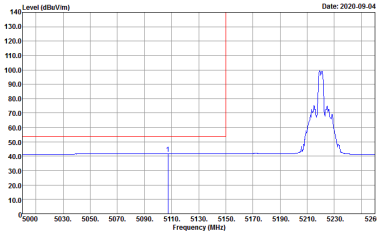


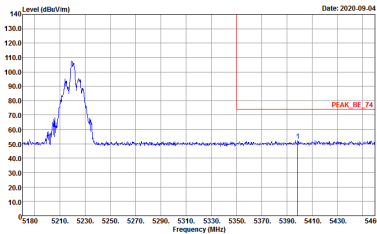
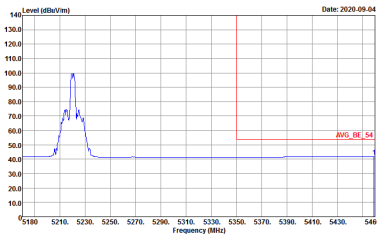
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/4 CH44 5220MHz - L                                                                                                                                                                |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |



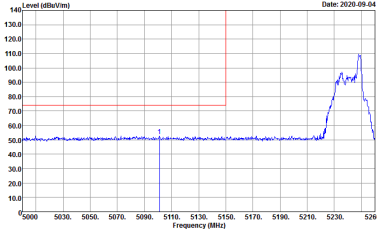
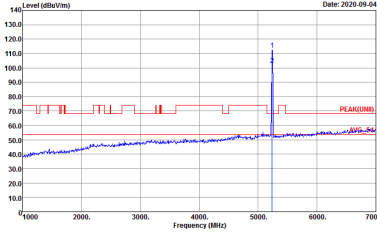
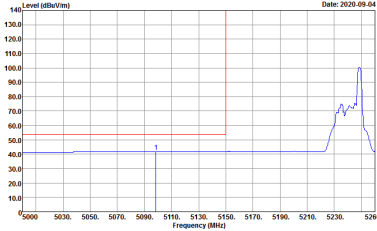
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 26/4 CH44 5220MHz - R                                                                                                                                                                                                                       |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

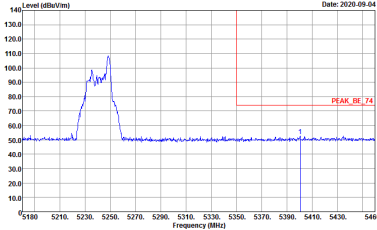
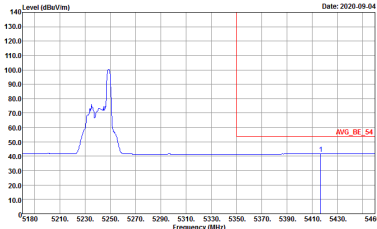


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                       |                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/4 CH44 5220MHz - L                                                                                                                                                              |                                                                                                                                                                                                          |
| 0+1  | Vertical                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                               |

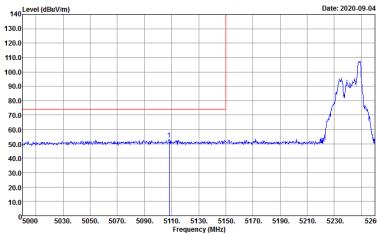
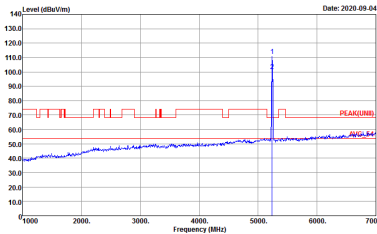
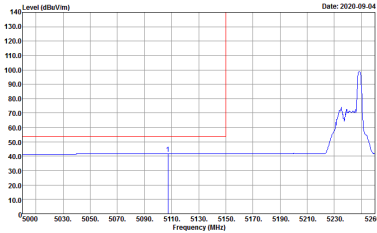
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                    |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 26/4 CH44 5220MHz - R                                                                                                                                                                                                           |             |
| 0+1  | Vertical                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/8 CH48 5240MHz - L                                                                                                                                                                |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |

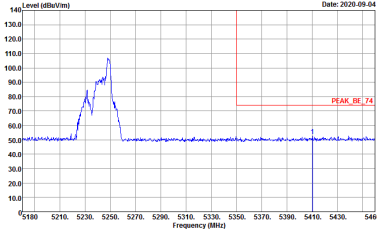
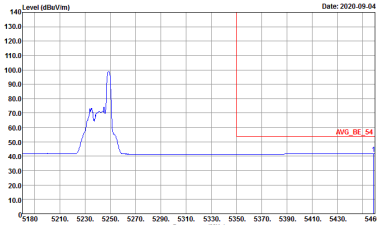
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 26/8 CH48 5240MHz - R                                                                                                                                                                                                             |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |



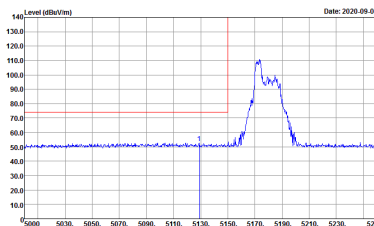
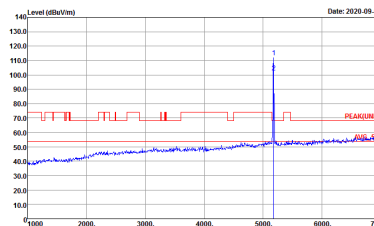
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                       |                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 26/8 CH48 5240MHz - L                                                                                                                                                              |                                                                                                                                                                                                          |
| 0+1  | Vertical                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                               |





| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 26/8 CH48 5240MHz - R                                                                                                                                                                                                                     |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

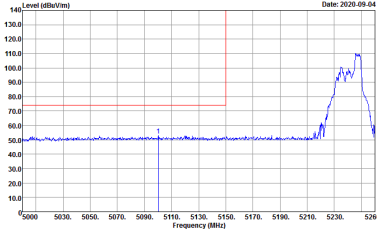
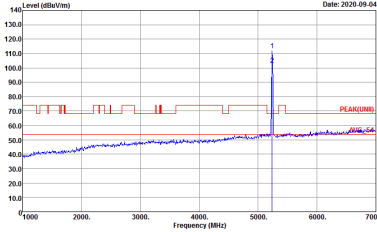
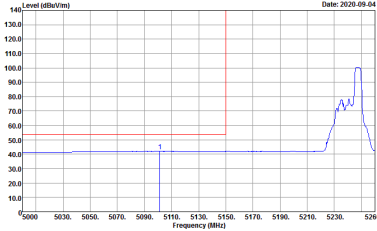
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)**

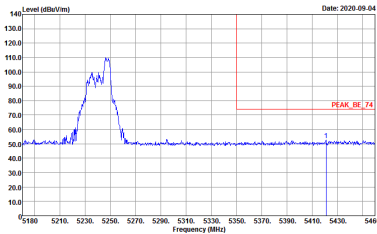
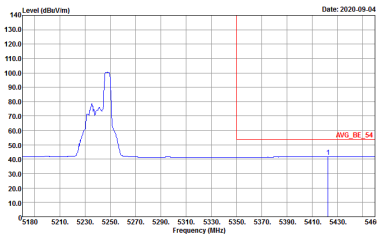
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                     |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ax HE20 Partial 52/37 CH36 5180MHz                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                     |
| 0+1         | Horizontal                                                                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                                                                         |
| <b>Peak</b> |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 041657         </p> |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 041657         </p> |
| <b>Avg.</b> |  <p>           Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>           Project : 041657         </p>   | <b>Left blank</b>                                                                                                                                                                                                                                                                                   |



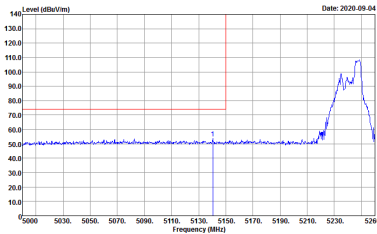
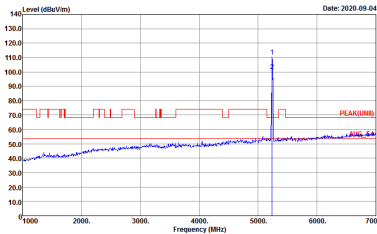
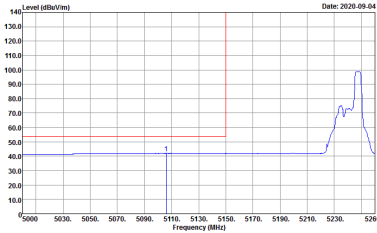
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                   |                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 52/37 CH36 5180MHz                                                                                                                             |                                                                                                                                                                      |
| 0+1  | Vertical                                                                                                                                                             | Fundamental                                                                                                                                                          |
| Peak | <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p> | <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p> |
|      | <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p>  | Left blank                                                                                                                                                           |



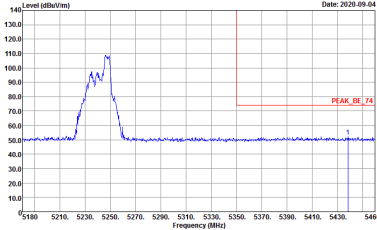
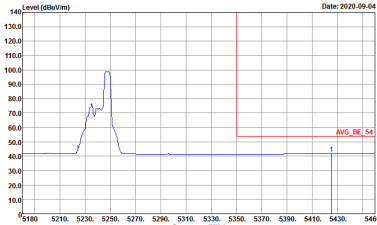
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH48 5240MHz - L                                                                                                                                                               |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH48 5240MHz - R                                                                                                                                                                                                                                                                            |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                       |                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH48 5240MHz - L                                                                                                                                                             |                                                                                                                                                                                                          |
| 0+1  | Vertical                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                               |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 52/40 CH48 5240MHz - R                                                                                                                                                                                                                    |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |



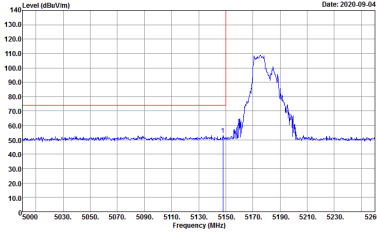
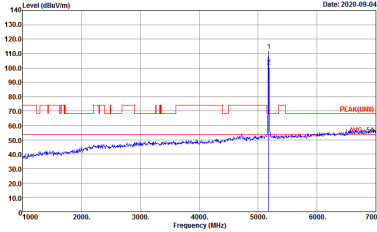
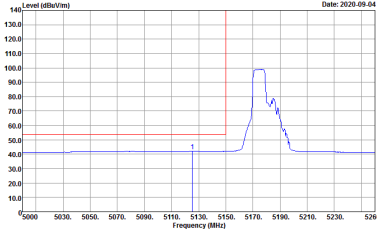
## Band 1 5150~5250MHz

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

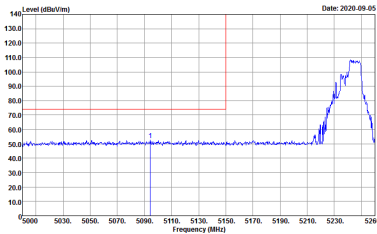
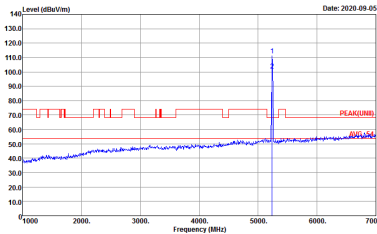
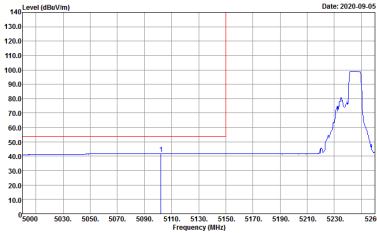
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                 |                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/53 CH36 5180MHz                                                                                                                          |                                                                                                                                                                    |
| 0+1  | Horizontal                                                                                                                                                         | Fundamental                                                                                                                                                        |
| Peak | <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak : 041657</p> | <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak : 041657</p> |
| Avg. | <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : Peak : 041657</p>     | Left blank                                                                                                                                                         |



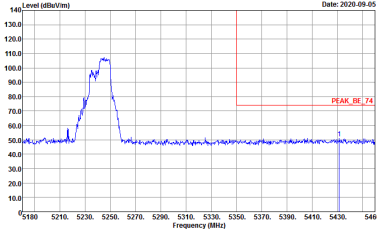
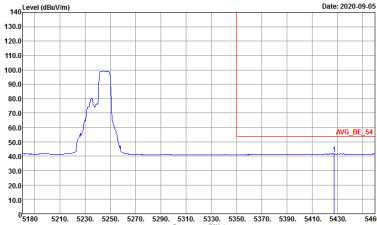


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/53 CH36 5180MHz                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                   |
| 0+1  | Vertical                                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p></div> | Left blank                                                                                                                                                                                                                                                        |

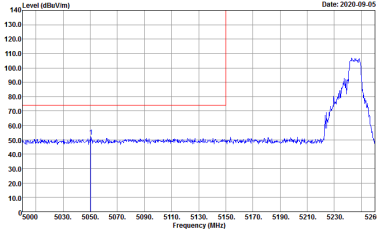
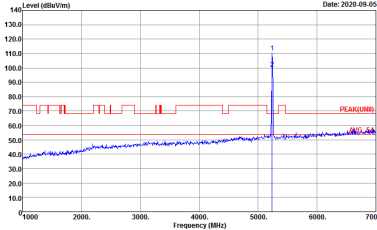
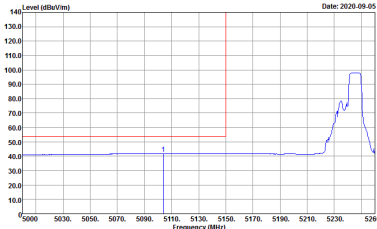


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH48 5240MHz - L                                                                                                                                                              |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |

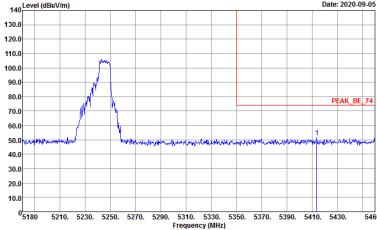
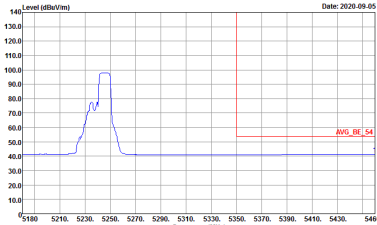


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH48 5240MHz - R                                                                                                                                                                                                                     |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

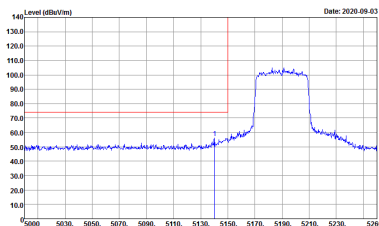
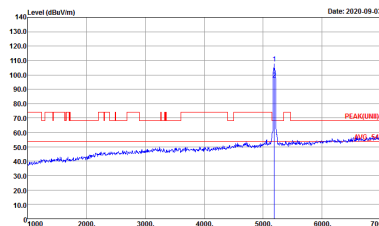
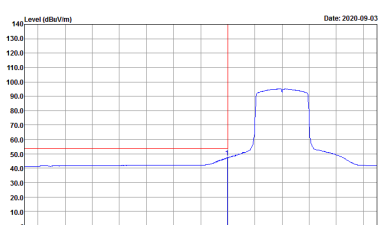


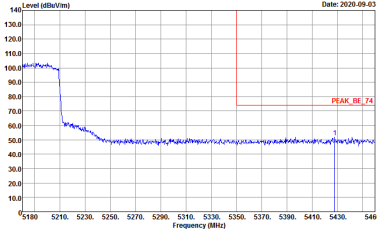
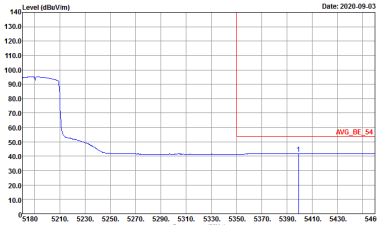
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH48 5240MHz - L                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                           |
| 0+1  | Vertical                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                                                                                |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE20 Partial 106/54 CH48 5240MHz - R                                                                                                                                                                                                        |             |
| 0+1  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>   | Left blank  |

**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

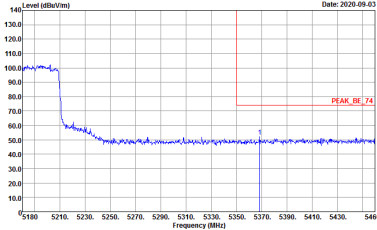
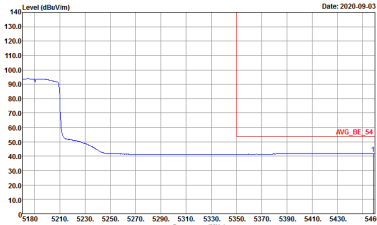
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ax HE40 Full CH38 5190MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                               |
| 0+1         | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                   |
| <b>Peak</b> |  <p>Site : 03CH15-HY<br/> Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/> Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Project : Peak<br/> : 041657</p> |  <p>Site : 03CH15-HY<br/> Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/> Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Project : Peak<br/> : 041657</p> |
| <b>Avg.</b> |  <p>Site : 03CH15-HY<br/> Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/> Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/> Project : Peak<br/> : 041657</p>   | <b>Left blank</b>                                                                                                                                                                                                                                             |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH38 5190MHz - R                                                                                                                                                                                                                             |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 041657         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 041657         </p> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                               |                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH38 5190MHz - L                                                                                              |                                                                                                                                  |
| 0+1  | Vertical                                                                                                                         | Fundamental                                                                                                                      |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank                                                                                                                       |

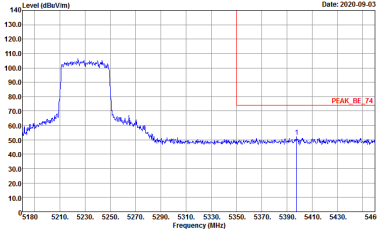
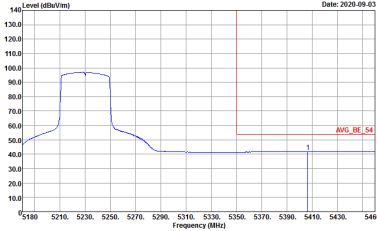


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                    |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH38 5190MHz - R                                                                                                                                                                                                                                                                                   |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH15-HY<br/>           Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 041657         </p> | Left blank  |

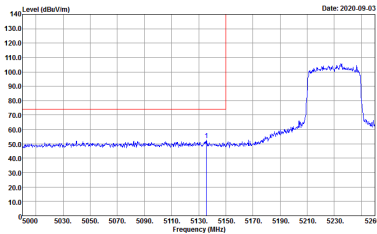
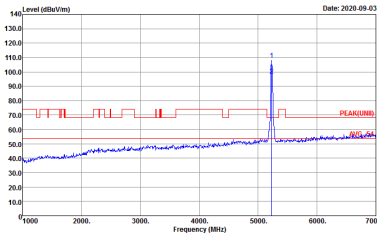
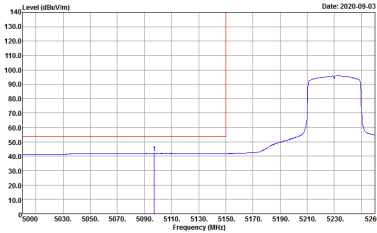


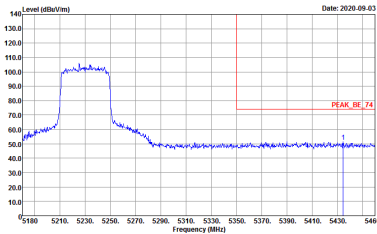
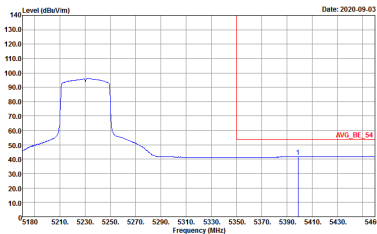
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                      |                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - L                                                                                     |                                                                                                                         |
| 0+1  | Horizontal                                                                                                              | Fundamental                                                                                                             |
| Peak | <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. | <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank                                                                                                              |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - R                                                                                                                                                                                                                               |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

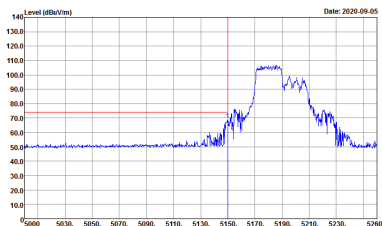
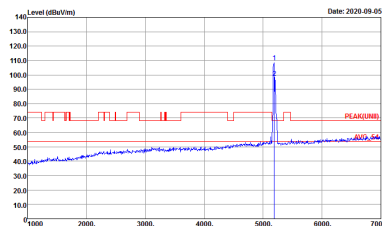
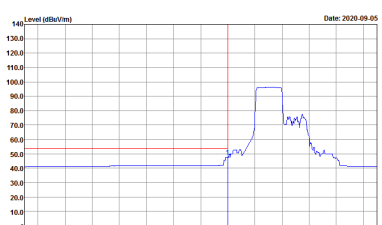


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - L                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                           |
| 0+1  | Vertical                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p></div>  | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p></div> | Left blank                                                                                                                                                                                                                                                                |

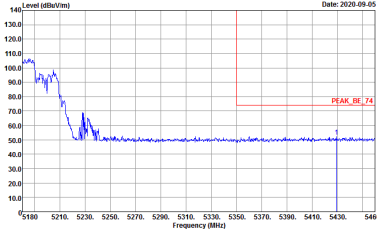
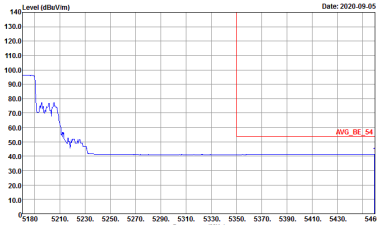
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                    |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Full CH46 5230MHz - R                                                                                                                                                                                                                   |             |
| 0+1  | Vertical                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |



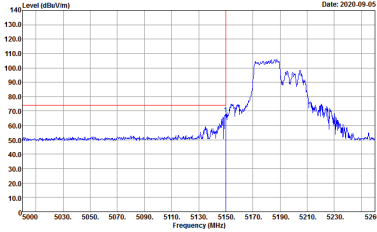
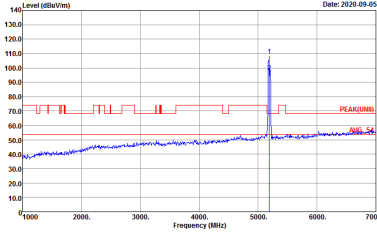
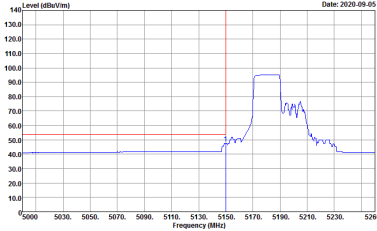
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Partial 242/61 CH38 5190MHz - L                                                                                                                                                              |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |



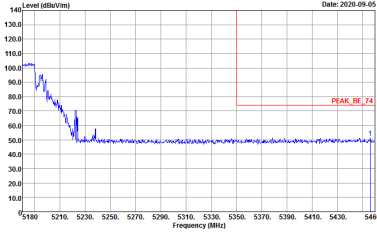
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Partial 242/61 CH38 5190MHz - R                                                                                                                                                                                                                     |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |



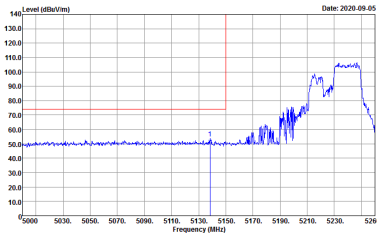
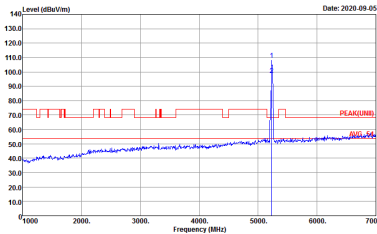
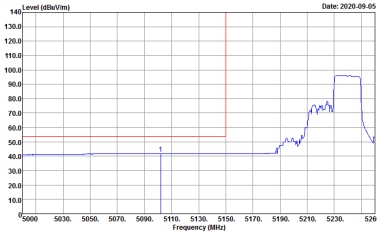
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                       |                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Partial 242/61 CH38 5190MHz - L                                                                                                                                                            |                                                                                                                                                                                                          |
| 0+1  | Vertical                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                               |



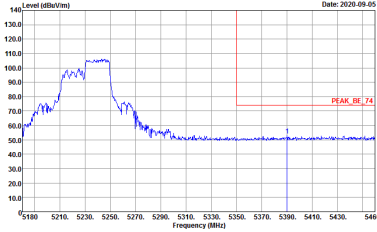
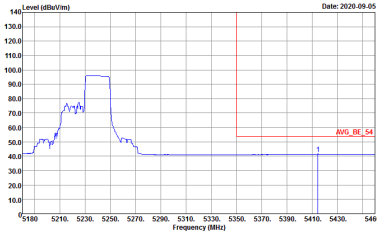


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Partial 242/61 CH38 5190MHz - R                                                                                                                                                                                                                   |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |



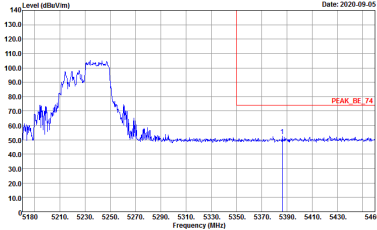
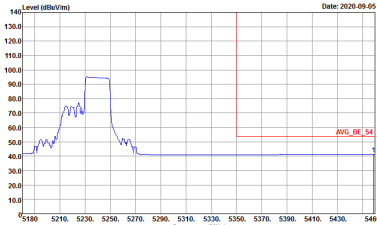
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Partial 242/62 CH46 5230MHz - L                                                                                                                                                              |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |



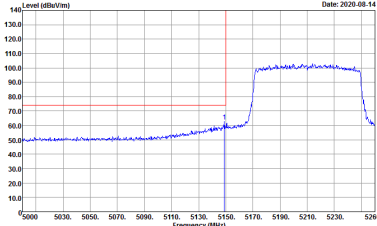
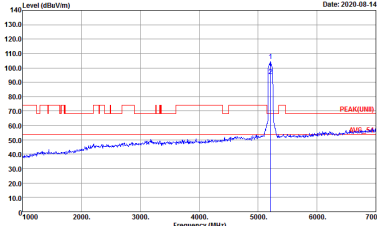
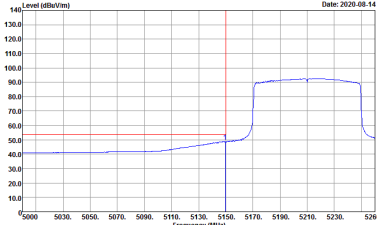
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Partial 242/62 CH46 5230MHz - R                                                                                                                                                                                                                     |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |



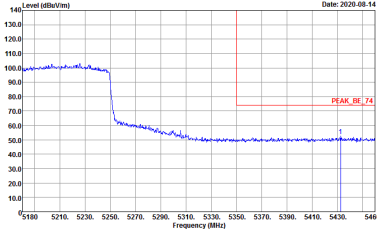
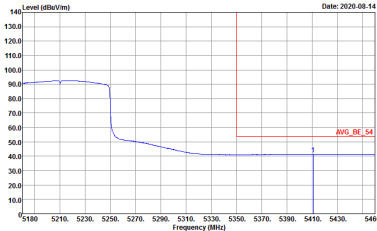
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                    |                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE40 Partial 242/62 CH46 5230MHz - L                                                                         |                                                                                                                       |
| 0+1  | Vertical                                                                                                              | Fundamental                                                                                                           |
| Peak | <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> | <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. | <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank                                                                                                            |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                    |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE40 Partial 242/62 CH46 5230MHz - R                                                                                                                                                                                                         |             |
| 0+1  | Vertical                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |

**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                          |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ax HE80 Full CH42 5210MHz - L                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                          |
| 0+1         | Horizontal                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                              |
| <b>Peak</b> |  <p>Site : 03CH15-HY<br/> Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/> Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Project : Peak : 041657</p> |  <p>Site : 03CH15-HY<br/> Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/> Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Project : Peak : 041657</p> |
| <b>Avg.</b> |  <p>Site : 03CH15-HY<br/> Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/> Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/> Project : Peak : 041657</p>   | <b>Left blank</b>                                                                                                                                                                                                                                        |



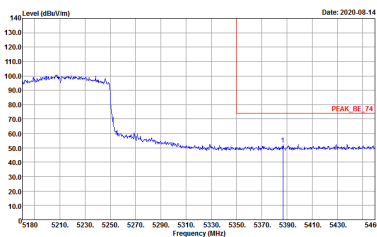
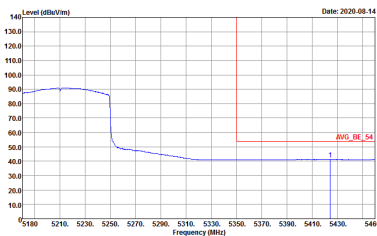
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Full CH42 5210MHz - R                                                                                                                                                                                                                               |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                               |                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Full CH42 5210MHz - L                                                                                              |                                                                                                                                  |
| 0+1  | Vertical                                                                                                                         | Fundamental                                                                                                                      |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank                                                                                                                       |

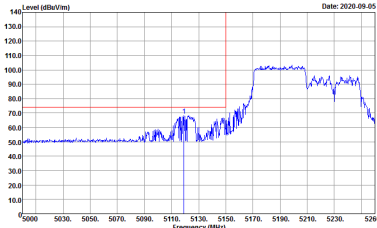
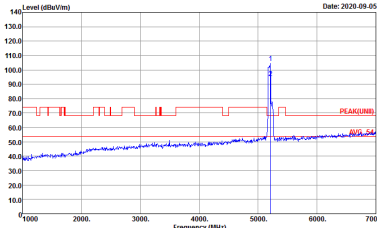
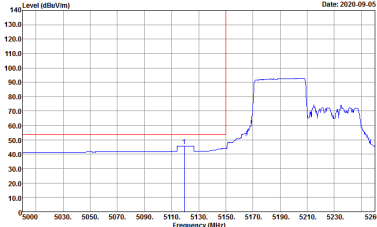




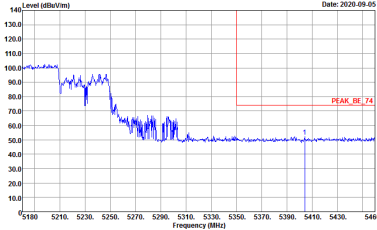
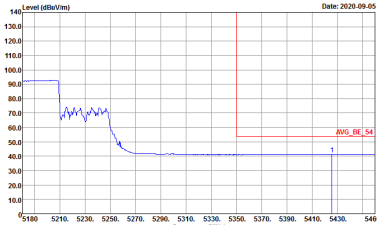
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Full CH42 5210MHz - R                                                                                                                                                                                                                  |             |
| 0+1  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak |  <p>Site : 03CH15+HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |
| Avg. |  <p>Site : 03CH15+HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>   | Left blank  |



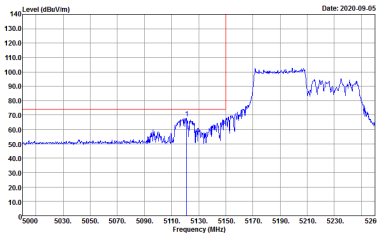
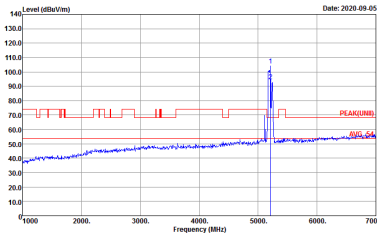
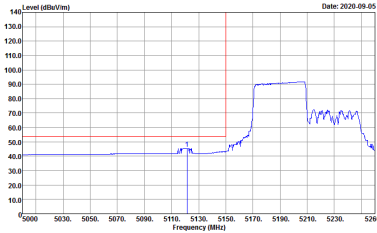
**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Partial 242 (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                            |                                                                                                                                                                                                                                                |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Partial 484/65 CH42 5210MHz - L                                                                                                                                                                                                 |                                                                                                                                                                                                                                                |
| 0+1  | Horizontal                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 041657</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : 041657</p>   | Left blank                                                                                                                                                                                                                                     |

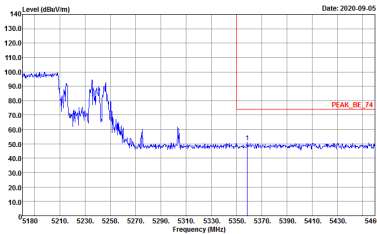
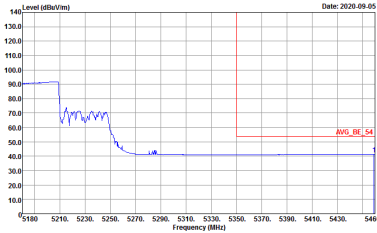


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Partial 484/65CH42 5210MHz - R                                                                                                                                                                                                                      |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

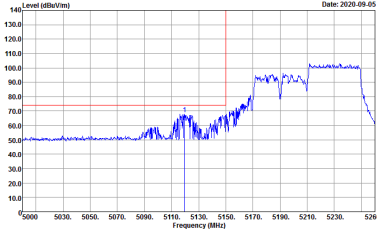
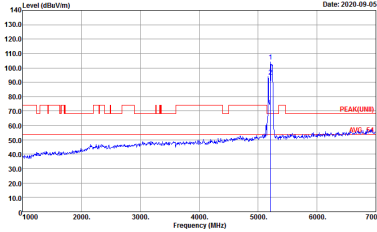
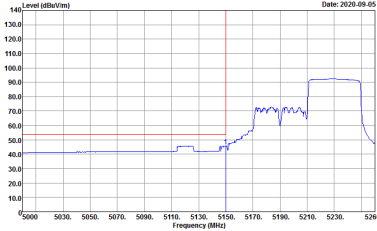


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Partial 484/65 CH42 5210MHz - L                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                 |
| 0+1  | Vertical                                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                                                                      |

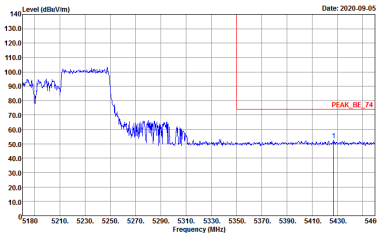
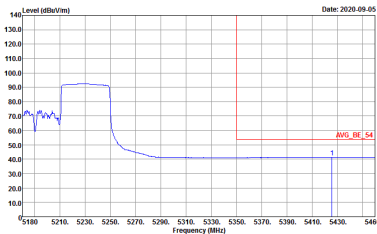


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                    |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Partial 484/65 CH42 5210MHz - R                                                                                                                                                                                                         |             |
| 0+1  | Vertical                                                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p>  | Left blank  |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p> | Left blank  |

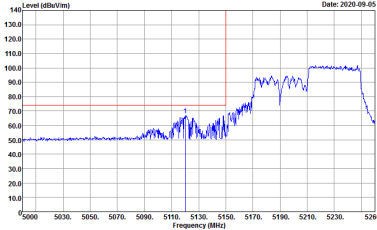
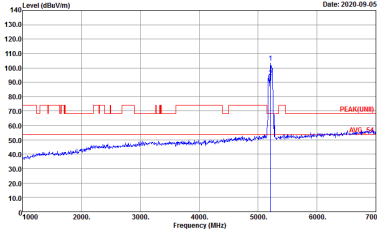
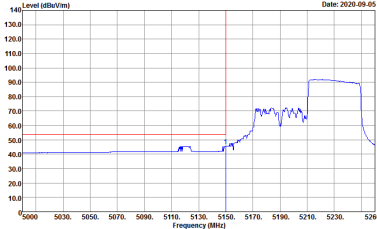


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Partial 484/66 CH42 5210MHz - L                                                                                                                                                              |                                                                                                                                                                                                            |
| 0+1  | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> | Left blank                                                                                                                                                                                                 |



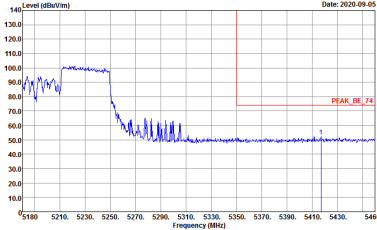
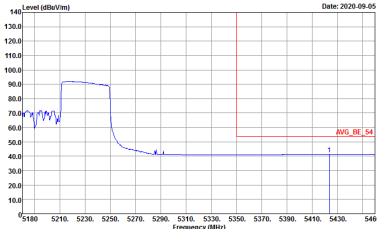
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Partial 484/66 CH42 5210MHz - R                                                                                                                                                                                                                     |             |
| 0+1  | Horizontal                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ax HE80 Partial 484/66 CH42 5210MHz - L                                                                                                                                                                                                           |                                                                                                                                                                                                                                                         |
| 0+1  | Vertical                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p>  |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p> |
| Avg. |  <p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>: 041657</p> | Left blank                                                                                                                                                                                                                                              |



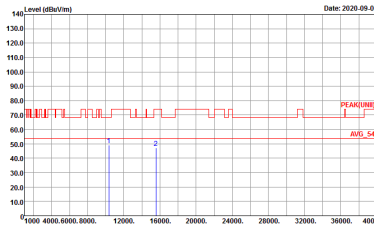
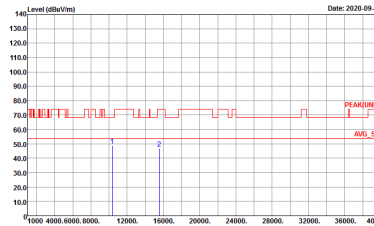


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                              |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ax HE80 Partial 484/66 CH42 5210MHz - R                                                                                                                                                                                                                   |             |
| 0+1  | Vertical                                                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH15-HY<br/>Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 041657</p></div> | Left blank  |

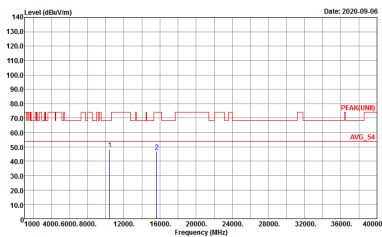
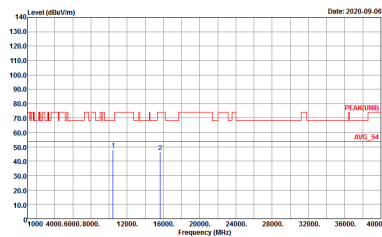


Band 1 - 5150~5250MHz

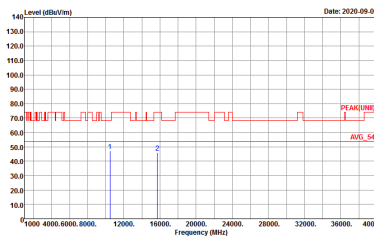
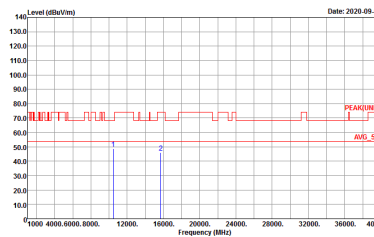
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH36 5180MHz                                                                                                                                                                                                |                                                                                                                                                                                                                    |
| 0+1          | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |



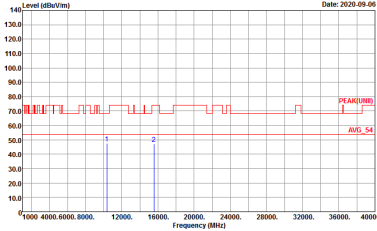
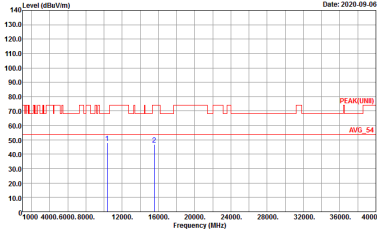
|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                     |
| 0+1          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> | <div><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |



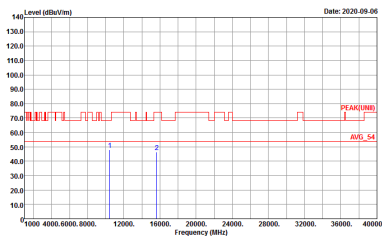
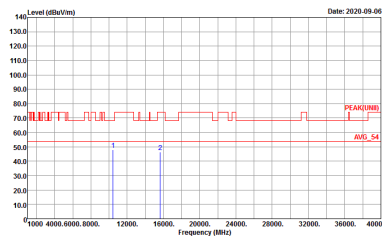
|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                     |
| 0+1          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |



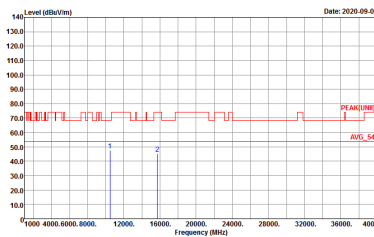
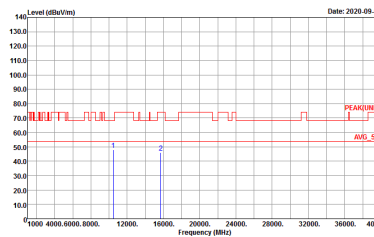
Band 1 5150~5250MHz  
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ax HE20 Full CH36 5180MHz                                                                                                                                                                           |                                                                                                                                                                                                          |
| 0+1          | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CHI5-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |  <p>Site : 03CHI5-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |



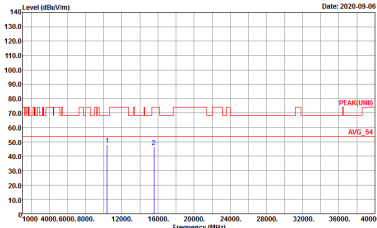
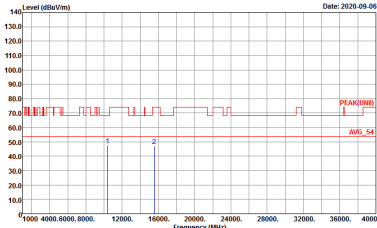
|              |                                                                                                                                                                                                            |                                                                                                                                                                                                           |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                          |                                                                                                                                                                                                           |
| ANT          | 802.11ax HE20 Full CH44 5220MHz                                                                                                                                                                            |                                                                                                                                                                                                           |
| 0+1          | Horizontal                                                                                                                                                                                                 | Vertical                                                                                                                                                                                                  |
| Peak<br>Avg. |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |



|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
| ANT          | 802.11ax HE20 Full CH48 5240MHz                                                                                                                                                                                      |                                                                                                                                                                                                                     |
| 0+1          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p></div> |

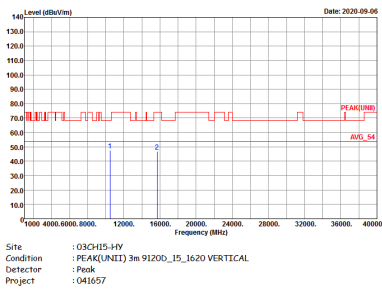
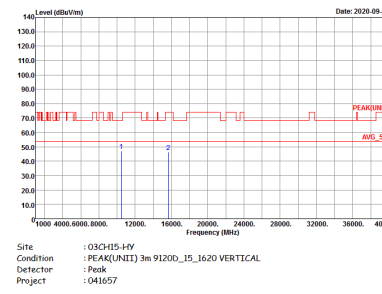


Band 1 5150~5250MHz  
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                       |                                                                                                                                                                                                          |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ax HE40 Full CH38 5190MHz                                                                                                                                                                         |                                                                                                                                                                                                          |
| 0+1          | Horizontal                                                                                                                                                                                              | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CHI5-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |  <p>Site : 03CHI5-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |

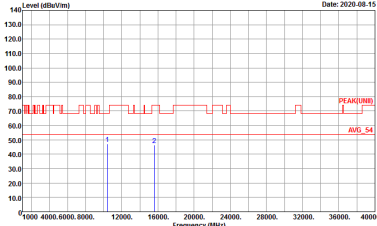
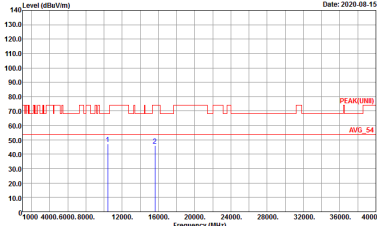




| WIFI             | Band 1 5150~5250MHz Harmonic @ 3m                                                 |                                                                                    |
|------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| ANT              | 802.11ax HE40 Full CH46 5230MHz                                                   |                                                                                    |
| 0+1              | Horizontal                                                                        | Vertical                                                                           |
| Peak<br><br>Avg. |  |  |
|                  |                                                                                   |                                                                                    |

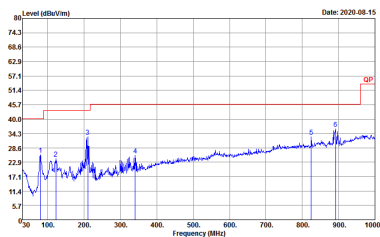
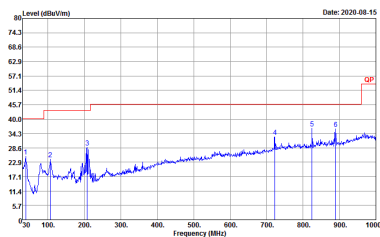


Band 1 5150~5250MHz  
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ax HE80 Full CH42 5210MHz                                                                                                                                                                           |                                                                                                                                                                                                          |
| 0+1          | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |



Emission below 1GHz  
5GHz WIFI 802.11ax HE80 Full (LF)

| WIFI         | 5GHz WIFI                                                                                                                                                                                           |                                                                                                                                                                                                    |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ax HE80 Full LF                                                                                                                                                                               |                                                                                                                                                                                                    |
| 0+1          | Horizontal                                                                                                                                                                                          | Vertical                                                                                                                                                                                           |
| QP /<br>Peak |  <p>Site : 03CH15-14Y<br/>Condition : QP 3m B1LOG_15_41912 HORIZONTAL<br/>Detector : Peak<br/>Project : 041657</p> |  <p>Site : 03CH15-14Y<br/>Condition : QP 3m B1LOG_15_41912 VERTICAL<br/>Detector : Peak<br/>Project : 041657</p> |
|              |                                                                                                                                                                                                     |                                                                                                                                                                                                    |



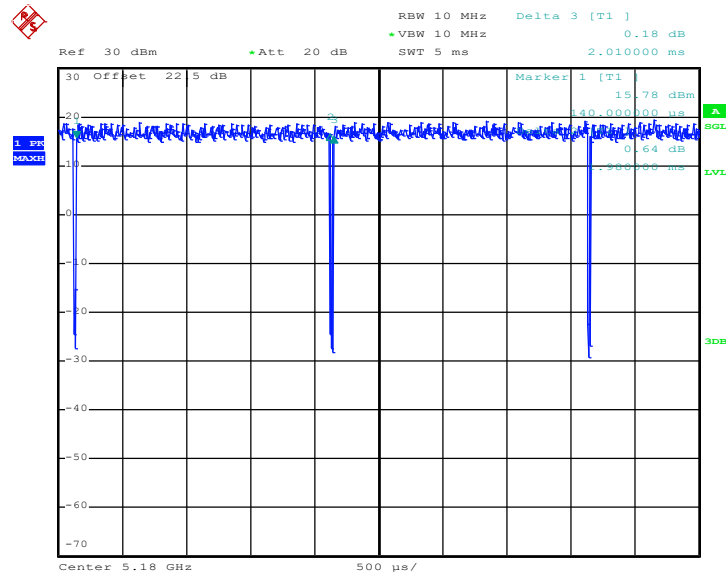
## Appendix E. Duty Cycle Plots

| Antenna | Band                                 | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|---------|--------------------------------------|---------------|-------|----------|-------------|-----------------|
| 0+1     | 802.11a for Ant 0                    | 98.51         | -     | -        | 10Hz        | 0.07            |
| 0+1     | 802.11a for Ant 1                    | 98.50         | -     | -        | 10Hz        | 0.07            |
| 0+1     | 5GHz 802.11ax HE20 Full RU for Ant 0 | 100.00        | -     | -        | 10Hz        | 0.00            |
| 0+1     | 5GHz 802.11ax HE20 Full RU for Ant 1 | 100.00        | -     | -        | 10Hz        | 0.00            |
| 0+1     | 5GHz 802.11ax HE40 Full RU for Ant 0 | 100.00        | -     | -        | 10Hz        | 0.00            |
| 0+1     | 5GHz 802.11ax HE40 Full RU for Ant 1 | 100.00        | -     | -        | 10Hz        | 0.00            |
| 0+1     | 5GHz 802.11ax HE80 Full RU for Ant 0 | 100.00        | -     | -        | 10Hz        | 0.00            |
| 0+1     | 5GHz 802.11ax HE80 Full RU for Ant 1 | 100.00        | -     | -        | 10Hz        | 0.00            |



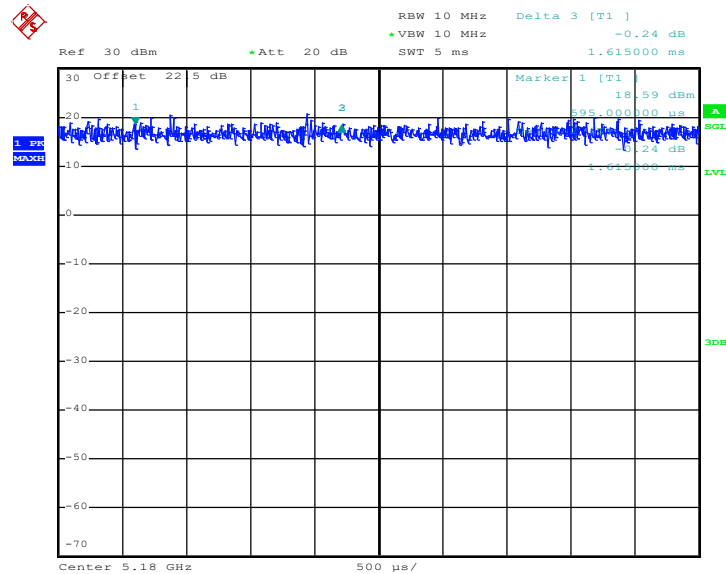
MIMO<Ant. 0>

802.11a



Date: 27.JUL.2020 13:48:35

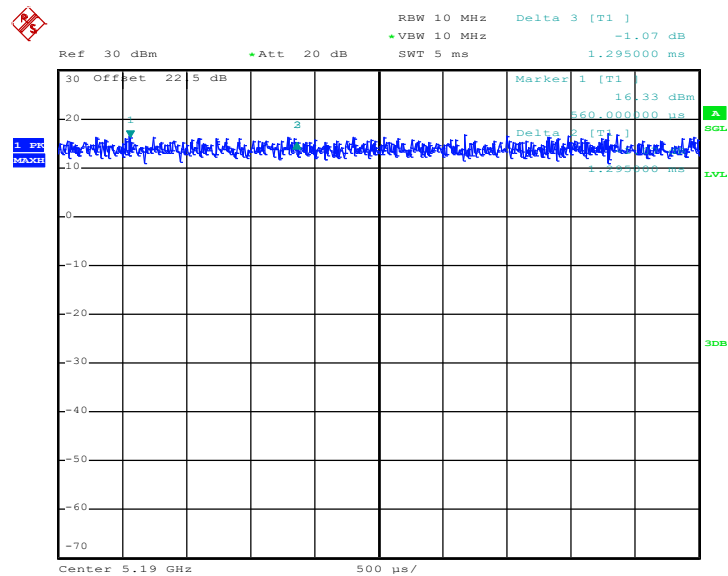
802.11ax HE20 Full RU



Date: 27.JUL.2020 11:04:06

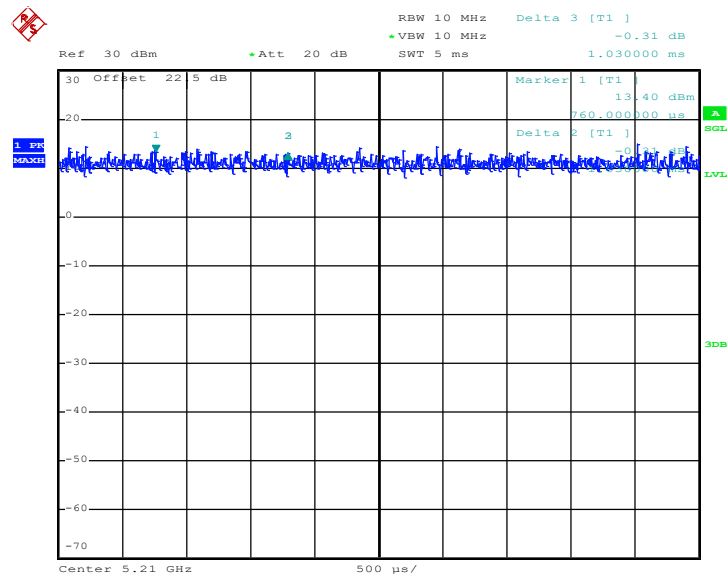


802.11ax HE40 Full RU



Date: 27.JUL.2020 11:18:51

802.11ax HE80 Full RU

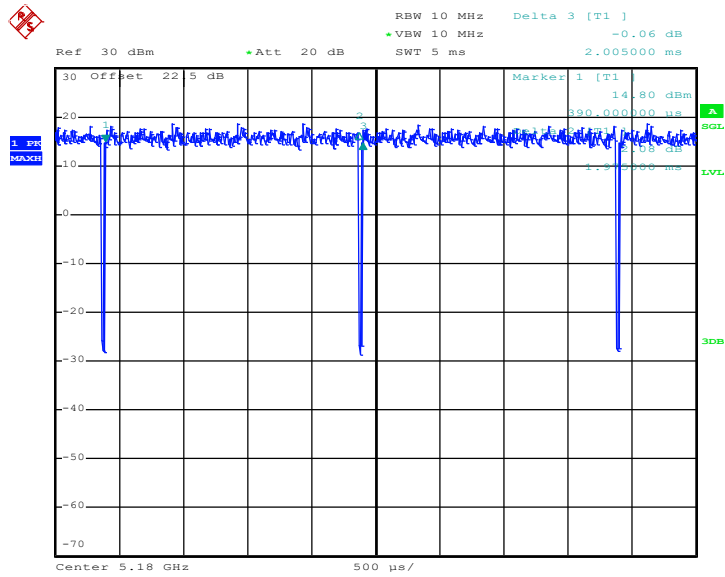


Date: 27.JUL.2020 11:27:37



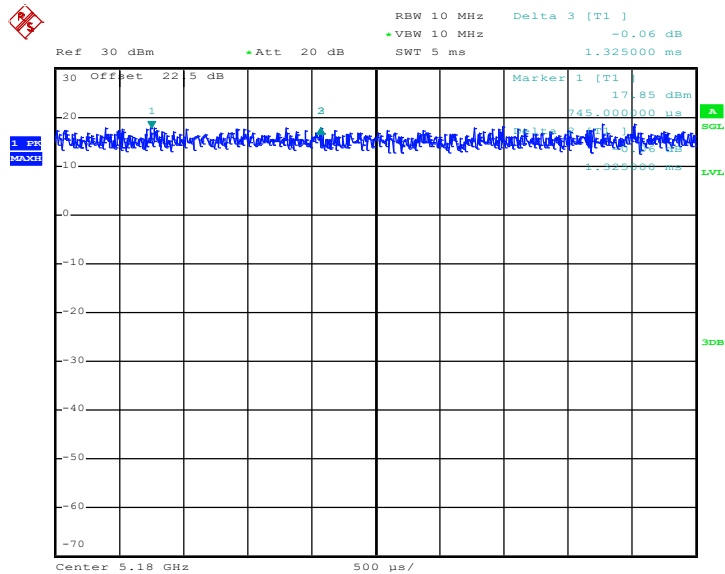
MIMO<Ant. 1>

802.11a



Date: 27.JUL.2020 13:47:07

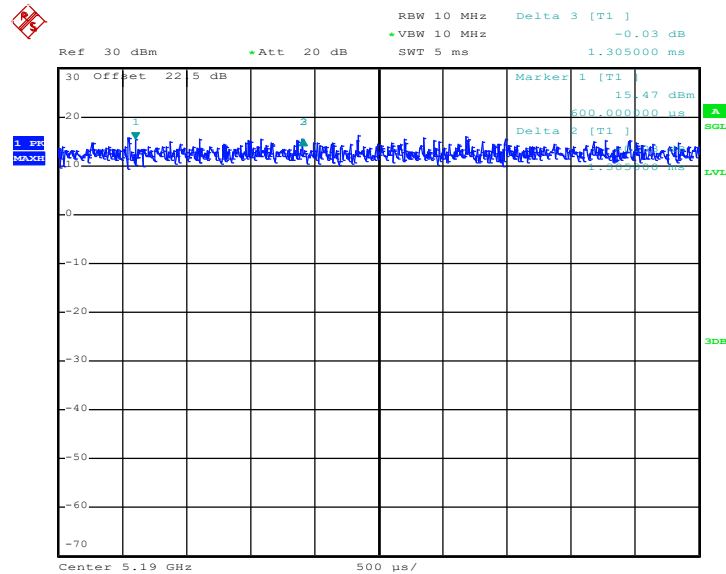
802.11ax HE20 Full RU



Date: 27.JUL.2020 11:05:38

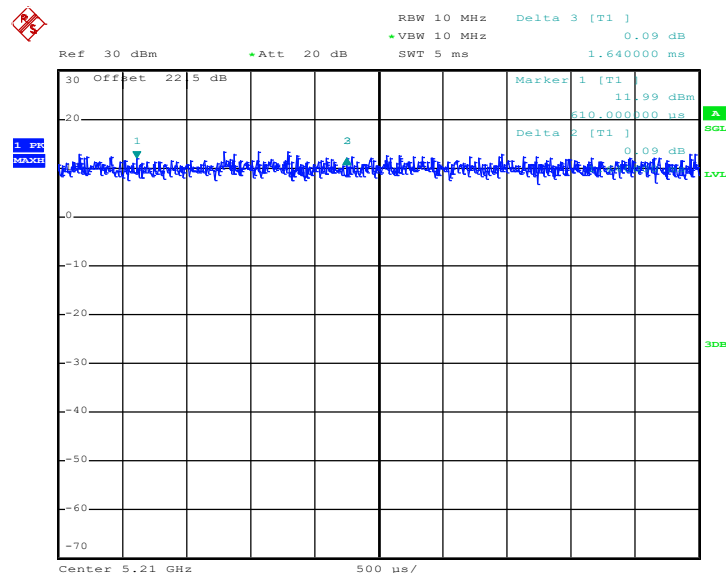


802.11ax HE40 Full RU



Date: 27.JUL.2020 11:17:58

802.11ax HE80 Full RU



Date: 27.JUL.2020 11:29:20