



# FCC RADIO TEST REPORT

FCC ID : PY7-80422E  
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII  
a/b/g/n/ac, GPS and NFC  
Brand Name : Sony  
Applicant : Sony Mobile Communications Inc.  
4-12-3 Higashi-Shinagawa, Shinagawa-ku,  
Tokyo, 140-0002, Japan  
Manufacturer : Sony Mobile Communications Inc.  
4-12-3 Higashi-Shinagawa, Shinagawa-ku,  
Tokyo, 140-0002, Japan  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Nov. 02, 2018 and testing was started from Feb. 17, 2019 and completed on Mar. 08, 2019. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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.

Approved by: Jones Tsai

**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   |
|--------------|---------|---------------------------------------------|---------------|
| FR8O2423-02E | 01      | Initial issue of report                     | Mar. 26, 2019 |
| FR8O2423-02E | 02      | Revising the test description and test data | Apr. 01, 2019 |
| FR8O2423-02E | 03      | Revising the test description.              | Apr. 03, 2019 |
| FR8O2423-02E | 04      | Revising the test data.                     | Apr. 09, 2019 |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |
|              |         |                                             |               |

## 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>4.06 dB at<br>5727.000 MHz |
| 3.5           | 15.207              | AC Conducted Emission                  | Pass               | Under limit<br>10.34 dB at<br>1.052 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: Natasha Hsieh**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac, NFC, and GNSS.

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Type                            | <b>&lt;Ant. 1&gt;:</b> Loop Antenna<br><b>&lt;Ant. 2&gt;:</b> Monopole Antenna                                                                                                                                                                                                                                                  |
| Antenna Gain                            | <b>&lt;5150 MHz ~ 5250 MHz&gt;</b><br><b>&lt;Ant. 1&gt;:</b> -5.7 dBi<br><b>&lt;Ant. 2&gt;:</b> -7.3 dBi<br><b>&lt;5250 MHz ~ 5350 MHz&gt;</b><br><b>&lt;Ant. 1&gt;:</b> -5.3 dBi<br><b>&lt;Ant. 2&gt;:</b> -4.9 dBi<br><b>&lt;5470 MHz ~ 5725 MHz&gt;</b><br><b>&lt;Ant. 1&gt;:</b> -5.7 dBi<br><b>&lt;Ant. 2&gt;:</b> 1.3 dBi |

| EUT Information List |            |            |                            |
|----------------------|------------|------------|----------------------------|
| HW Version           | SW Version | S/N        | Performed Test Item        |
| A                    | 4.10       | BH9300B1FT | RF conducted measurement   |
|                      |            | BH970052FT | Radiated Spurious Emission |
|                      |            | BH97006GFR | AC Conducted Emission      |

| Accessory List         |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| AC Adapter             | Model Name : UCH32                                                              |
|                        | S/N:                                                                            |
|                        | 6218W30200106 (for radiated emission)<br>6218W30200197 (for conducted emission) |
| Earphone               | Model Name.: MH750                                                              |
|                        | S/N : N/A                                                                       |
| USB Cable              | Model Name.: UCB24                                                              |
|                        | S/N : N/A                                                                       |
| 2 in 1 USB Audio Cable | Model Name: EC270                                                               |
|                        | S/N : N/A                                                                       |

### Note:

1. Above EUT list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report. .
3. For other wireless features of this EUT, test report will be issued separately.
4. The antenna 1 and antenna 2 in this test report are equivalent to WLAN chain 0 and chain 1 in Antenna Specification by manufacturer.

## 1.2 Modification of EUT

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

### 1.3 Testing Location

|                    |                                                                                                                       |         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|---------|
| Test Site          | SPORTON INTERNATIONAL INC.                                                                                            |         |
| Test Site Location | 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 |         |
| Test Site No.      | Sporton Site No.                                                                                                      |         |
|                    | TH05-HY                                                                                                               | CO05-HY |

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

|                    |                                                                                                                                           |  |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| Test Site          | SPORTON INTERNATIONAL INC.                                                                                                                |  |
| Test Site Location | 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 |  |
| Test Site No.      | Sporton Site No.                                                                                                                          |  |
|                    | 03CH11-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. 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 with Accessory (Earphone or Adapter). The worst cases (Y plane with Adapter) 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. (MHz) | Channel | Freq. (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        |         |             |

| Frequency Band                        | Channel         | Freq. (MHz) | Channel | Freq. (MHz) |
|---------------------------------------|-----------------|-------------|---------|-------------|
| 5250-5350 MHz<br>Band 2<br>(U-NII-2A) | 52              | 5260        | 60      | 5300        |
|                                       | 54*             | 5270        | 62*     | 5310        |
|                                       | 56              | 5280        | 64      | 5320        |
|                                       | 58 <sup>#</sup> | 5290        |         |             |

| Frequency Band                        | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
|---------------------------------------|------------------|-------------|---------|-------------|
| 5470-5725 MHz<br>Band 3<br>(U-NII-2C) | 100              | 5500        | 112     | 5560        |
|                                       | 102*             | 5510        | 116     | 5580        |
|                                       | 104              | 5520        | 132     | 5660        |
|                                       | 106 <sup>#</sup> | 5530        | 134*    | 5670        |
|                                       | 108              | 5540        | 136     | 5680        |
|                                       | 110*             | 5550        | 140     | 5700        |

| Frequency Band | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
|----------------|------------------|-------------|---------|-------------|
| TDWR Channel   | 118*             | 5590        | 124     | 5620        |
|                | 120              | 5600        | 126*    | 5630        |
|                | 122 <sup>#</sup> | 5610        | 128     | 5640        |

| Frequency Band   | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
|------------------|------------------|-------------|---------|-------------|
| Straddle Channel | 138 <sup>#</sup> | 5690        | 144     | 5720        |
|                  | 142*             | 5710        |         |             |

**Note:**

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

## 2.2 Test Mode

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

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

| Test Cases                                                                                                   |                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| AC Conducted Emission                                                                                        | Mode 1 : GSM850 (Middle Channel) Idle + Bluetooth Link + WLAN (5GHz) Link + MPEG 4 + Battery + USB Cable (Charging from Adapter) |
| <b>Remark:</b> The single mode covered by MIMO mode base on the MIMO mode power higher than the single mode. |                                                                                                                                  |



| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11a                | 802.11a                 | 802.11a                 |
| L        | Low    | 36                     | 52                      | 100                     |
| M        | Middle | 44                     | 60                      | 116                     |
| H        | High   | 48                     | 64                      | 140                     |
| Straddle |        | -                      | -                       | 144                     |

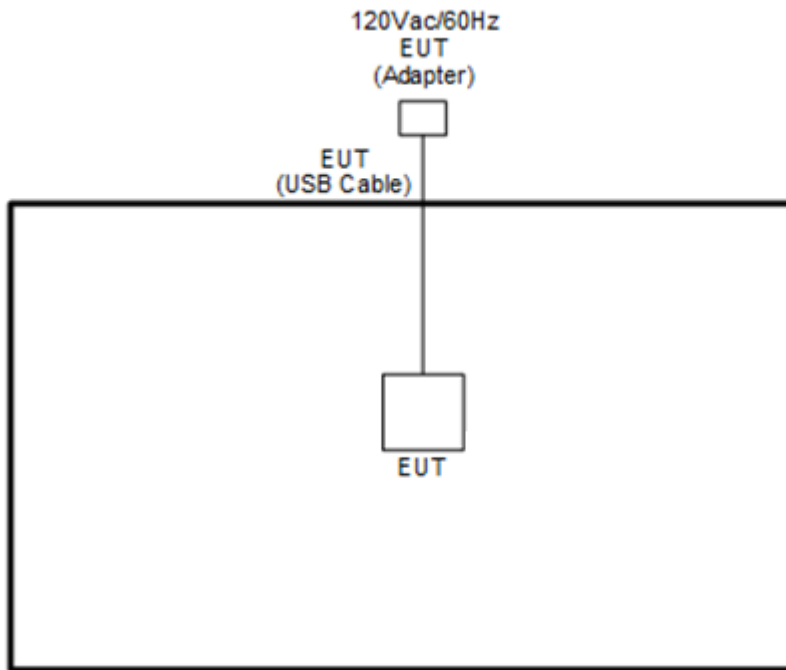
| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11n HT20           | 802.11n HT20            | 802.11n HT20            |
| L        | Low    | 36                     | 52                      | 100                     |
| M        | Middle | 44                     | 60                      | 116                     |
| H        | High   | 48                     | 64                      | 140                     |
| Straddle |        | -                      | -                       | 144                     |

| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11n HT40           | 802.11n HT40            | 802.11n HT40            |
| L        | Low    | 38                     | 54                      | 102                     |
| M        | Middle | -                      | -                       | 110                     |
| H        | High   | 46                     | 62                      | 134                     |
| Straddle |        | -                      | -                       | 142                     |

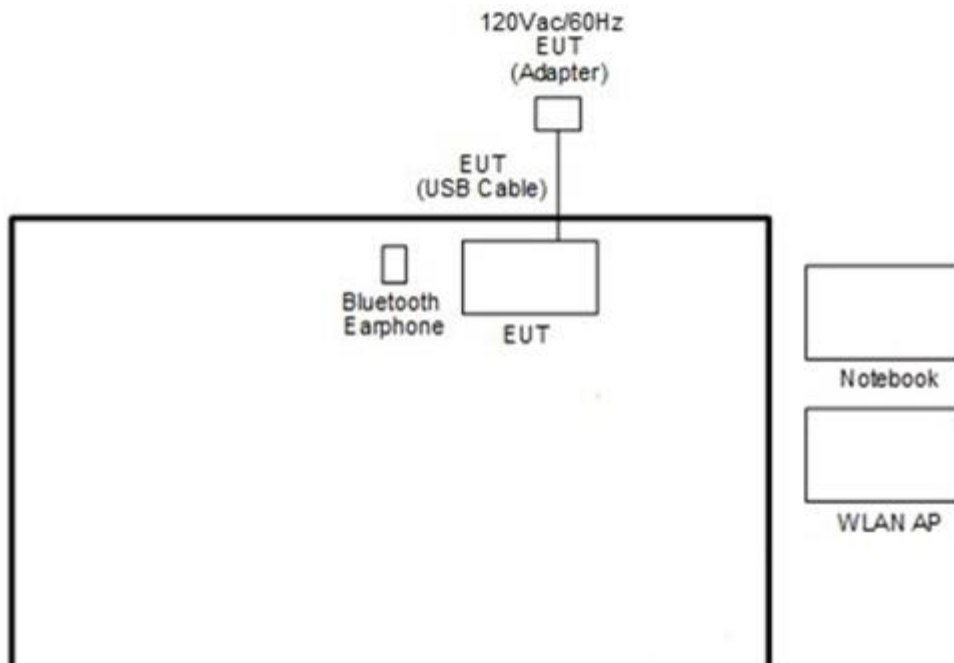
| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ac VHT80         | 802.11ac VHT80          | 802.11ac VHT80          |
| L        | Low    | -                      | -                       | 106                     |
| M        | Middle | 42                     | 58                      | 122                     |
| H        | High   | -                      | -                       | -                       |
| Straddle |        | -                      | -                       | 138                     |

## 2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Trade Name | Model Name      | FCC ID      | Data Cable | Power Cord                                           |
|------|--------------------|------------|-----------------|-------------|------------|------------------------------------------------------|
| 1.   | System simulator   | Anritsu    | MT8820C         | N/A         | N/A        | Unshielded, 1.8 m                                    |
| 2.   | WLAN AP            | ASUS       | RT-AC66U        | MSQ-RTAC66U | N/A        | Unshielded, 1.8 m                                    |
| 3.   | Bluetooth Earphone | Sony       | SBH20           | PY7-RD0010  | N/A        | N/A                                                  |
| 4.   | Notebook           | DELL       | Latitude EE5480 | FCC DoC     | N/A        | AC I/P: Unshielded, 1.2 m<br>DC O/P: Shielded, 1.8 m |
| 5.   | SD Card            | SanDisk    | MicroSD HC      | FCC DoC     | N/A        | N/A                                                  |

## 2.5 EUT Operation Test Setup

The RF test items, utility “Tera Term” 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 6dB & 26dB & 99% Occupied Bandwidth Measurement**

##### **3.1.1 Description of 6dB & 26dB & 99% Occupied Bandwidth**

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

##### **3.1.2 Measuring Instruments**

See list of measuring equipment of this test report.

##### **3.1.3 Test Procedures**

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

For 26dB & 99OB

Section C) Emission bandwidth

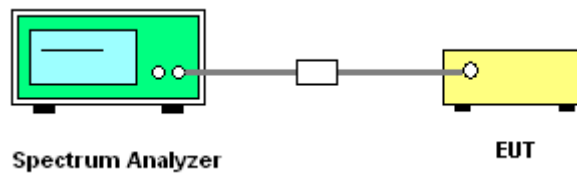
1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
6. 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)  $\geq 3 * RBW$ .
7. Measure and record the results in the test report.

For 26dB & 99OB

Section C) Emission bandwidth

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

### 3.1.4 Test Setup

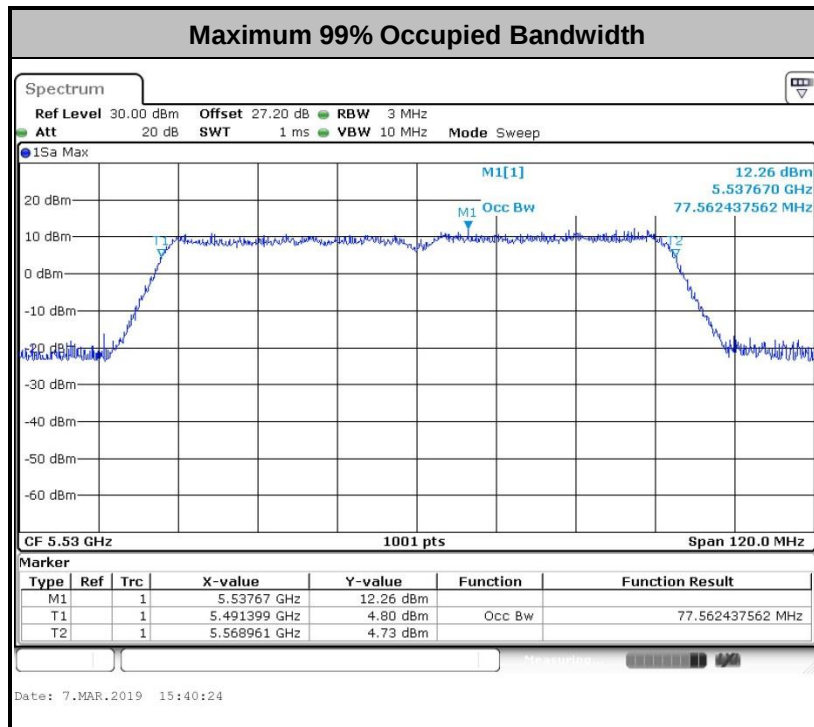
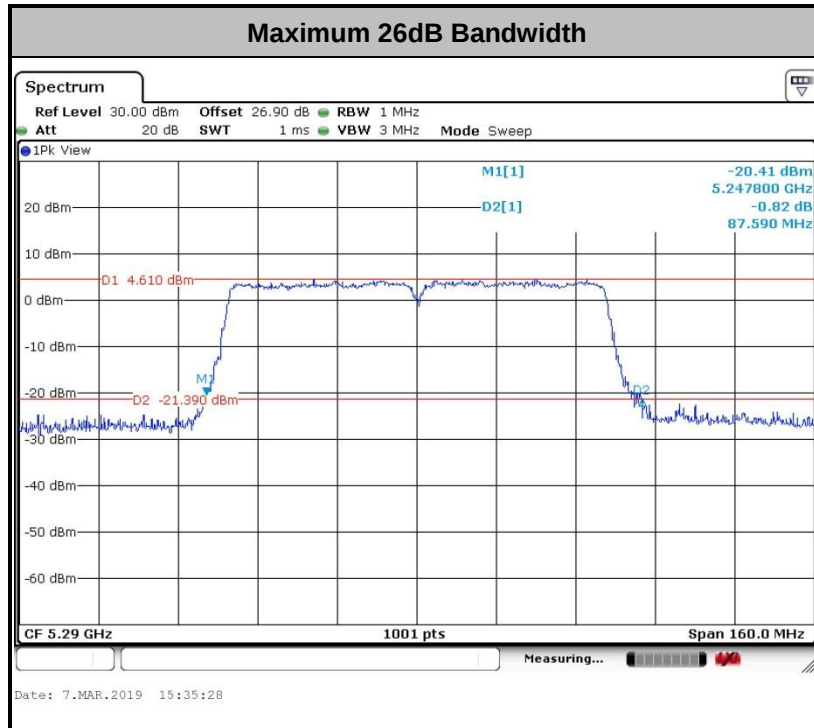


### 3.1.5 Test Result of 6dB & 26dB & 99% Occupied Bandwidth

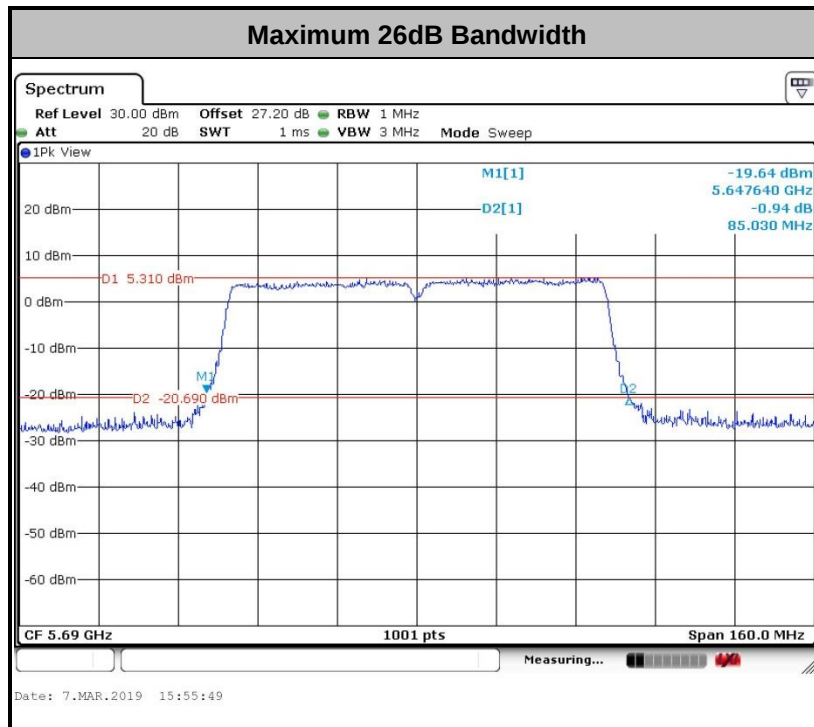
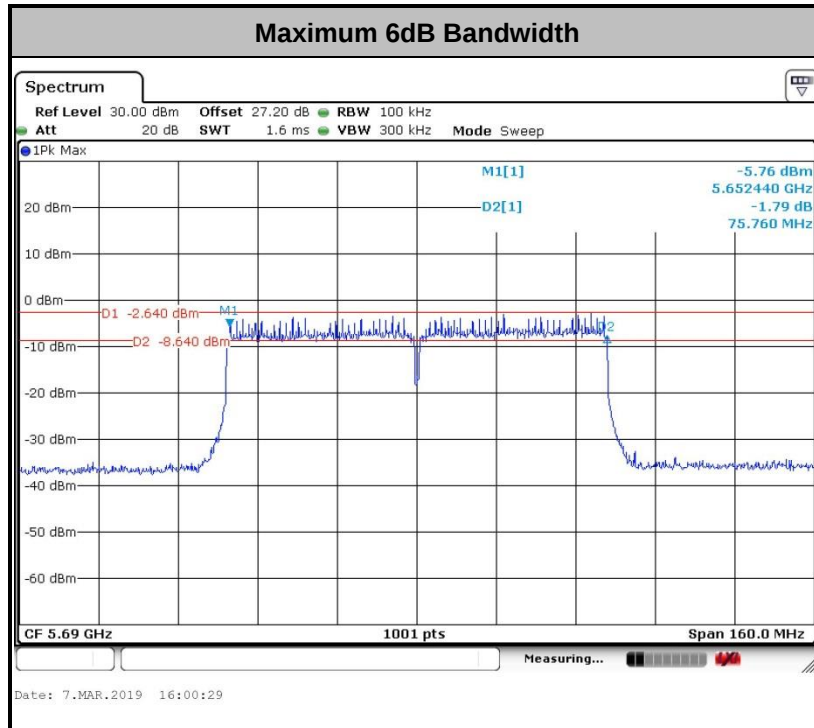
Please refer to Appendix A.

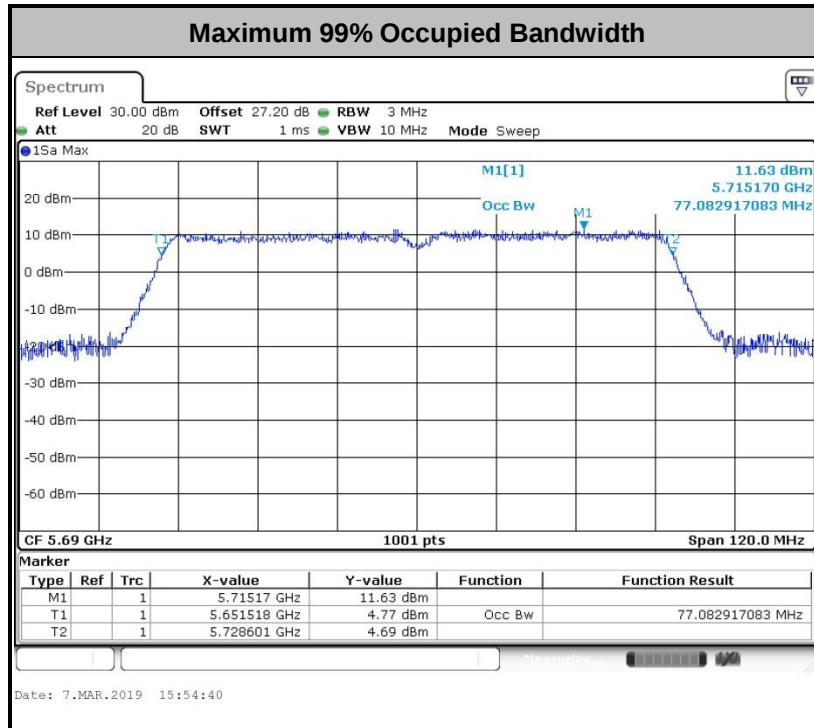


&lt;CDD Mode&gt;



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

**<Straddle Channel>**




**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.

##### **For the 5.25–5.725 GHz bands:**

- The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

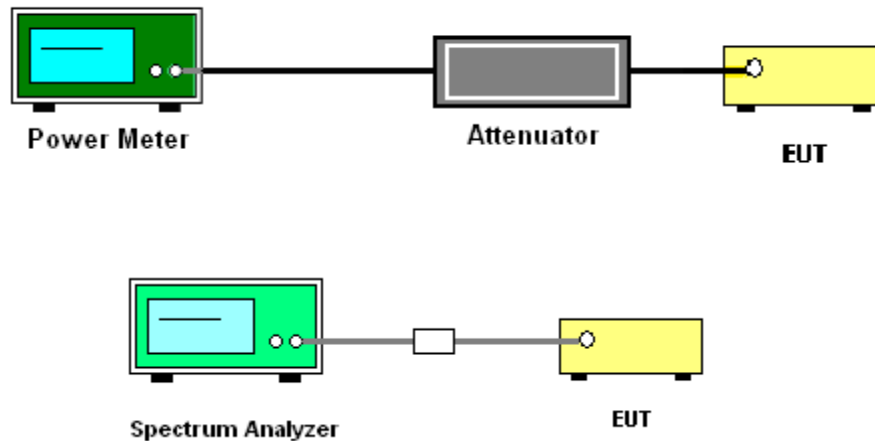
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor,  $10 \log(1/x)$ , where  $x$  is the duty cycle.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

### 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.

##### **For the 5.25–5.725 GHz bands:**

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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-2 #**

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

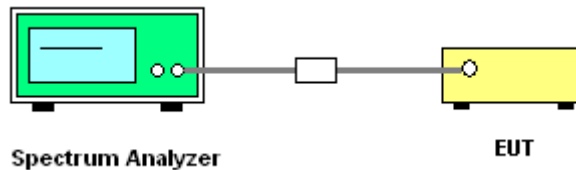
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW  $\geq$  3 MHz.
- Number of points in sweep  $\geq$  2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.

1. The RF output of EUT 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.

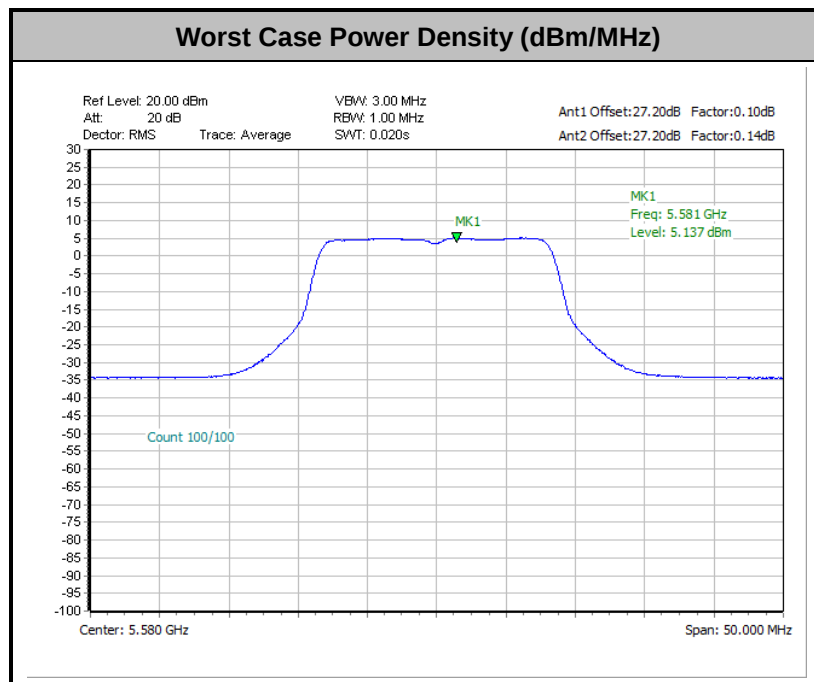
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

### 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.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/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) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits 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.<sup>3</sup>
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.<sup>4</sup>

**Note 3:** An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

**Note 4:** Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

### 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

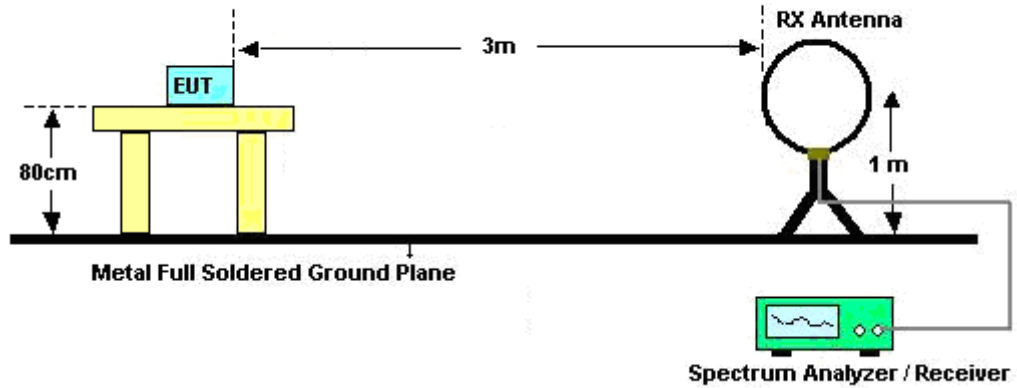
- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

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

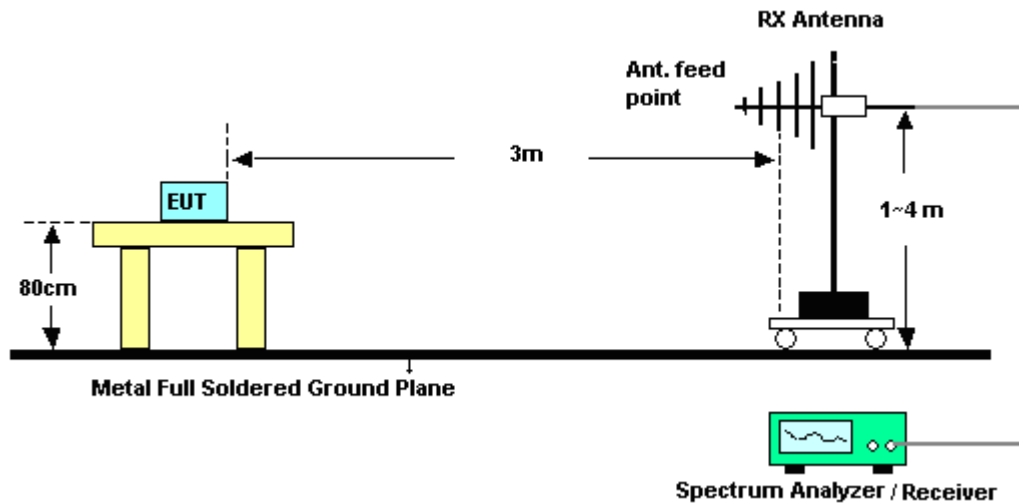
- RBW = 1 MHz
  - VBW = 10 Hz, when duty cycle is no less than 98 percent.
  - $VBW \geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.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

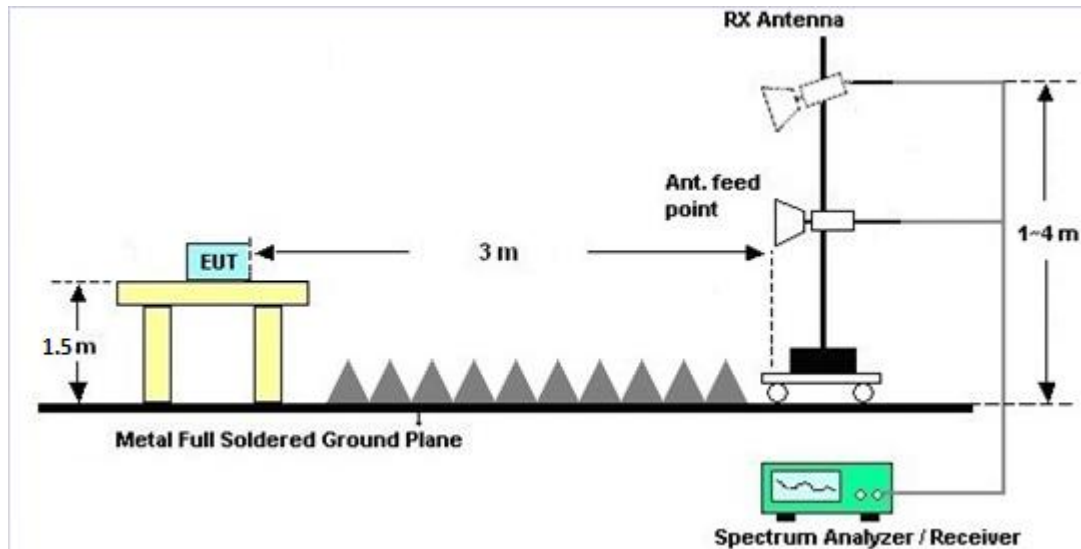
For radiated emissions below 30MHz



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.

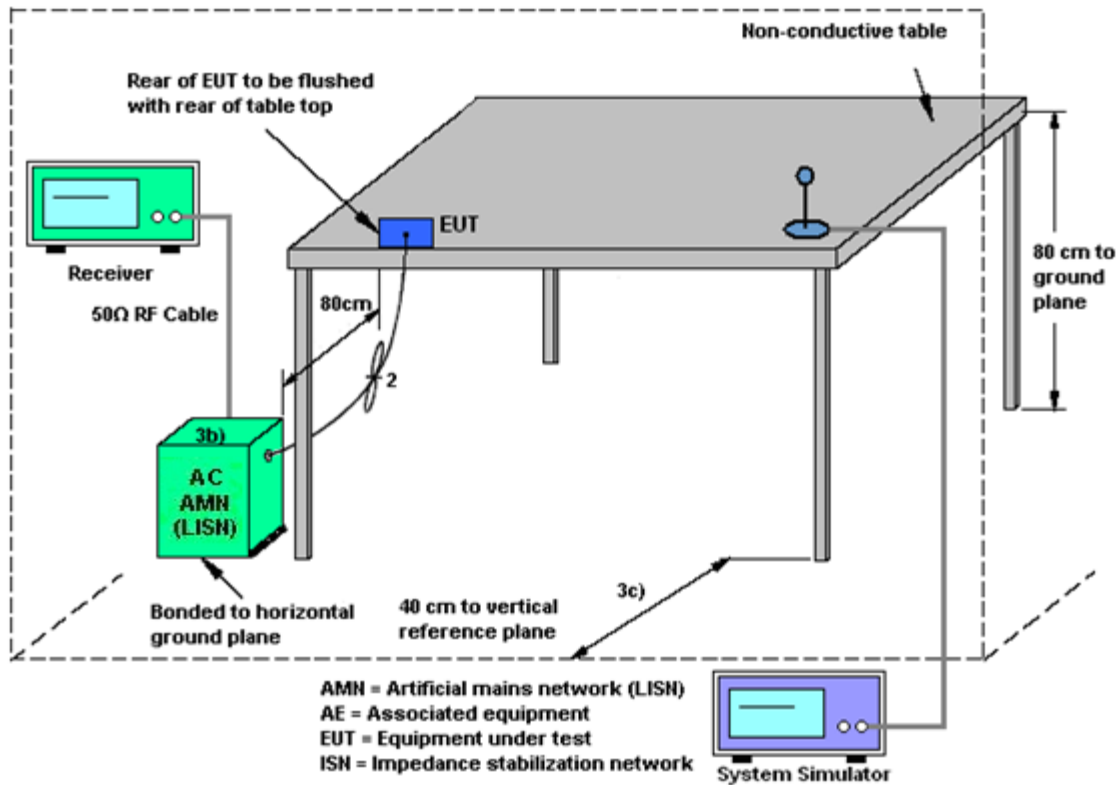
#### 3.5.2 Measuring Instruments

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

EUT is verified this characteristic during the function check of normal sample associated with an access point:

- A. Information start: make EUT supply information to the access point.
- B. Information stop: stop supplying information to the access point.

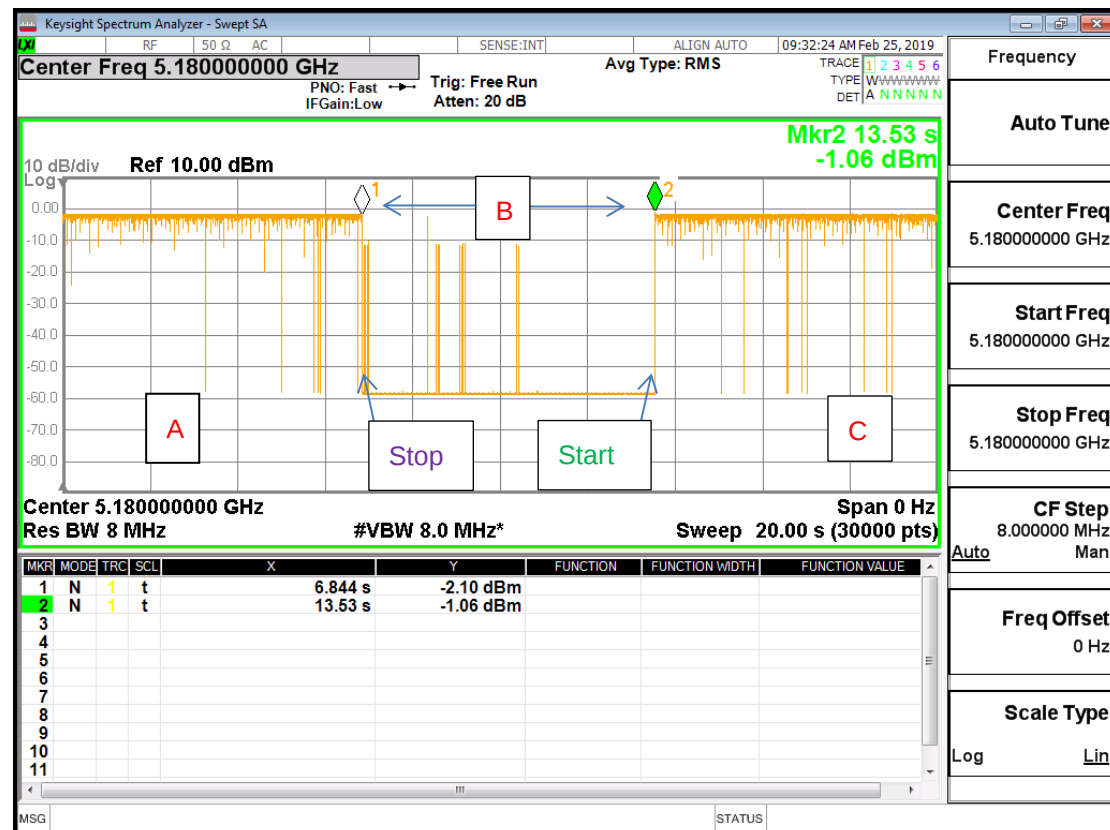
While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



5180MHz



**Note:** The control / signalling information during the period B is precluded.

### 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. 1 | Ant. 2 | Power | PSD   | Reduction | Reduction |
|             | (dBi)  | (dBi)  | (dBi) | (dBi) | (dB)      | (dB)      |
| Band I      | -5.70  | -7.30  | -5.70 | -3.45 | 0.00      | 0.00      |
| Band II     | -5.30  | -4.90  | -4.90 | -2.09 | 0.00      | 0.00      |
| Band III    | -5.70  | 1.30   | 1.30  | 1.50  | 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                | Manufacturer      | Model No.            | Serial No.           | Characteristics                     | Calibration Date | Test Date                       | Due Date      | Remark                   |
|---------------------------|-------------------|----------------------|----------------------|-------------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Hygrometer                | Testo             | HTC-1                | 4                    | N/A                                 | May 12, 2018     | Feb. 17, 2019~<br>Mar. 08, 2019 | May 11, 2019  | Conducted<br>(TH05-HY)   |
| Power Sensor              | DARE              | RPR3006W             | 15100041SN<br>O10    | 10MHz~6GHz                          | May 07, 2018     | Feb. 17, 2019~<br>Mar. 08, 2019 | May 06, 2019  | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer         | Rohde & Schwarz   | FSV 30               | 100895               | 9kHz~30GHz                          | Apr. 20, 2018    | Feb. 17, 2019~<br>Mar. 08, 2019 | Apr. 19, 2019 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable     | Burgeon           | ETF-058              | EC1300484            | N/A                                 | Mar. 01, 2018    | Feb. 17, 2019~<br>Feb. 27, 2019 | Feb. 28, 2019 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable     | Burgeon           | ETF-058              | EC1300484            | N/A                                 | Feb. 28, 2019    | Feb. 28, 2019~<br>Mar. 08, 2019 | Feb. 27, 2020 | Conducted<br>(TH05-HY)   |
| Programmable Power Supply | GW Instek         | PSS-2005             | EL890094             | 1V~20V<br>0.5A~5A                   | Oct. 02, 2018    | Feb. 17, 2019~<br>Mar. 08, 2019 | Oct. 01, 2019 | Conducted<br>(TH05-HY)   |
| AC Power Source           | ChainTek          | APC-1000W            | N/A                  | N/A                                 | N/A              | Feb. 23, 2019                   | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver         | Rohde & Schwarz   | ESR3                 | 102388               | 9KHz~3.6GHz                         | Nov. 12, 2018    | Feb. 23, 2019                   | Nov. 11, 2019 | Conduction<br>(CO05-HY)  |
| Hygrometer                | Testo             | 608-H1               | 34913912             | N/A                                 | Mar. 06, 2018    | Feb. 23, 2019                   | Mar. 05, 2019 | Conduction<br>(CO05-HY)  |
| LISN                      | Rohde & Schwarz   | ENV216               | 100080               | 9kHz~30MHz                          | Nov. 14, 2018    | Feb. 23, 2019                   | Nov. 13, 2019 | Conduction<br>(CO05-HY)  |
| LISN                      | Rohde & Schwarz   | ENV216               | 100081               | 9kHz~30MHz                          | Nov. 09, 2018    | Feb. 23, 2019                   | Nov. 08, 2019 | Conduction<br>(CO05-HY)  |
| Software                  | Rohde & Schwarz   | EMC32<br>V10.30      | N/A                  | N/A                                 | N/A              | Feb. 23, 2019                   | N/A           | Conduction<br>(CO05-HY)  |
| RF Cable                  | HUBER +<br>SUHNER | RG 214/U             | 1358175              | 9kHz~30MHz                          | Sep. 14, 2018    | Feb. 23, 2019                   | Sep. 13, 2019 | Conduction<br>(CO05-HY)  |
| Pulse Limiter             | SCHWARZBE<br>CK   | VTSD 9561-F<br>N     | 9561-F<br>N00373     | 9kHz~200MHz                         | Nov. 08, 2018    | Feb. 23, 2019                   | Nov. 07, 2019 | Conduction<br>(CO05-HY)  |
| Loop Antenna              | Rohde & Schwarz   | HFH2-Z2              | 100488               | 9 kHz~30 MHz                        | Jan. 07, 2019    | Feb. 22, 2019~<br>Mar. 04, 2019 | Jan. 06, 2020 | Radiation<br>(03CH11-HY) |
| Bilog Antenna             | TESEQ             | CBL 6111D&N<br>-6-06 | 35414&AT-N<br>0602   | 30MHz~1GHz                          | Oct. 13, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Oct. 12, 2019 | Radiation<br>(03CH11-HY) |
| Horn Antenna              | SCHWARZBE<br>CK   | BBHA 9120 D          | 9120D-1326           | 1GHz ~ 18GHz                        | Oct. 30, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Oct. 29, 2019 | Radiation<br>(03CH11-HY) |
| SHF-EHF Horn Antenna      | SCHWARZBE<br>CK   | BBHA 9170            | BBHA917058<br>4      | 18GHz- 40GHz                        | Dec. 05, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Dec. 04, 2019 | Radiation<br>(03CH11-HY) |
| Amplifier                 | SONOMA            | 310N                 | 187312               | 9kHz~1GHz                           | Dec. 04, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Dec. 03, 2019 | Radiation<br>(03CH11-HY) |
| Preamplifier              | Jet-Power         | JPA0118-55-3<br>03   | 1710001800<br>054001 | 1GHz~18GHz                          | Apr. 16, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Apr. 15, 2019 | Radiation<br>(03CH11-HY) |
| Preamplifier              | Keysight          | 83017A               | MY53270080           | 1GHz~26.5GHz                        | Nov. 14, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Nov. 13, 2020 | Radiation<br>(03CH11-HY) |
| Amplifier                 | MITEQ             | TTA1840-35-H<br>G    | 1871923              | 18GHz~40GHz,<br>VSWR : 2.5:1<br>max | Jul. 16, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Jul. 15, 2019 | Radiation<br>(03CH11-HY) |
| Spectrum Analyzer         | Keysight          | N9010A               | MY54200486           | 10Hz ~ 44GHz                        | Oct. 19, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Oct. 18, 2019 | Radiation<br>(03CH11-HY) |



| Instrument        | Manufacturer      | Model No.                            | Serial No. | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-------------------|-------------------|--------------------------------------|------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| EMI Test Receiver | Keysight          | N9038A(MXE)                          | MY55420170 | N/A                              | Mar. 06, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Mar. 05, 2019 | Radiation<br>(03CH11-HY) |
| Hygrometer        | TECPEL            | DTN-303B                             | TP140325   | N/A                              | Nov. 05, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Nov. 04, 2019 | Radiation<br>(03CH11-HY) |
| Filter            | Wainwright        | WHKX8-5872.<br>5-6750-18000-<br>40ST | SN3        | 6.75GHz High<br>Pass             | Sep. 17, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Sep. 16, 2019 | Radiation<br>(03CH11-HY) |
| Filter            | Wainwright        | WLK4-1000-15<br>30-8000-40SS         | SN11       | 1G Low Pass                      | Sep. 16, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Sep. 17, 2019 | Radiation<br>(03CH11-HY) |
| Filter            | Wainwright        | WHKX12-2700<br>-3000-18000-6<br>OSS  | SN3        | 2.7G High Pass                   | Sep. 16, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Sep. 17, 2019 | Radiation<br>(03CH11-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY9837/4PE | 9kHz-30MHz                       | Mar. 14, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>102                      | MY2859/2   | 30MHz-40GHz                      | Mar. 14, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY9837/4PE | 30M-18G                          | Mar. 14, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>102                      | MY4274/2   | 30MHz-40GHz                      | Mar. 14, 2018    | Feb. 22, 2019~<br>Mar. 04, 2019 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| Controller        | EMEC              | EM 1000                              | N/A        | Control Turn<br>table & Ant Mast | N/A              | Feb. 22, 2019~<br>Mar. 04, 2019 | N/A           | Radiation<br>(03CH11-HY) |
| Antenna Mast      | EMEC              | AM-BS-4500-B                         | N/A        | 1~4m                             | N/A              | Feb. 22, 2019~<br>Mar. 04, 2019 | N/A           | Radiation<br>(03CH11-HY) |
| Turn Table        | EMEC              | TT 2000                              | N/A        | 0~360 Degree                     | N/A              | Feb. 22, 2019~<br>Mar. 04, 2019 | N/A           | Radiation<br>(03CH11-HY) |
| Software          | Audix             | E3<br>6.2009-8-24                    | RK-001042  | N/A                              | N/A              | Feb. 22, 2019~<br>Mar. 04, 2019 | N/A           | Radiation<br>(03CH11-HY) |



## 5 Uncertainty of Evaluation

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

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.20 |
|-------------------------------------------------------------------------|------|

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

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.20 |
|-------------------------------------------------------------------------|------|

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

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

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

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.20 |
|-------------------------------------------------------------------------|------|

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

|                |                      |                    |       |    |
|----------------|----------------------|--------------------|-------|----|
| Test Engineer: | Tommy Lee / Kai Liao | Temperature:       | 21~25 | °C |
| Test Date:     | 2019/2/17 ~ 2019/3/8 | Relative Humidity: | 51~54 | %  |

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

| Band I |           |     |     |             |                     |       |                       |       |      |
|--------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------|
| Mod.   | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | Note |
|        |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 |      |
| 11a    | 6Mbps     | 2   | 36  | 5180        | 16.88               | 16.73 | 24.48                 | 23.93 |      |
| 11a    | 6Mbps     | 2   | 44  | 5220        | 16.98               | 16.73 | 25.13                 | 23.78 |      |
| 11a    | 6Mbps     | 2   | 48  | 5240        | 16.73               | 16.78 | 23.73                 | 23.98 |      |
| HT20   | MCS0      | 2   | 36  | 5180        | 18.08               | 17.88 | 26.22                 | 24.93 |      |
| HT20   | MCS0      | 2   | 44  | 5220        | 18.13               | 17.88 | 26.52                 | 24.93 |      |
| HT20   | MCS0      | 2   | 48  | 5240        | 18.18               | 17.88 | 26.07                 | 25.48 |      |
| HT40   | MCS0      | 2   | 38  | 5190        | 37.26               | 37.06 | 43.52                 | 43.25 |      |
| HT40   | MCS0      | 2   | 46  | 5230        | 37.26               | 36.96 | 43.43                 | 43.34 |      |
| VHT80  | MCS0      | 2   | 42  | 5210        | 77.32               | 77.08 | 85.99                 | 83.76 |      |

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

| FCC Band I |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |           |
|------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.       | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|            |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a        | 6Mbps     | 1   | 36  | 5180        | 0.12             | 0.14  | 13.80                         | 11.80 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 0.12             | 0.14  | 13.80                         | 11.70 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 0.12             | 0.14  | 13.60                         | 11.70 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| HT20       | MCS0      | 1   | 36  | 5180        | 0.05             | 0.05  | 13.70                         | 11.60 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| HT20       | MCS0      | 1   | 44  | 5220        | 0.05             | 0.05  | 13.70                         | 11.50 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| HT20       | MCS0      | 1   | 48  | 5240        | 0.05             | 0.05  | 13.60                         | 11.70 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| HT40       | MCS0      | 1   | 38  | 5190        | 0.11             | 0.11  | 13.80                         | 11.90 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| HT40       | MCS0      | 1   | 46  | 5230        | 0.11             | 0.11  | 13.80                         | 11.60 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| VHT20      | MCS0      | 1   | 36  | 5180        | 0.05             | 0.05  | 13.60                         | 11.50 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| VHT20      | MCS0      | 1   | 44  | 5220        | 0.05             | 0.05  | 13.60                         | 11.40 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| VHT20      | MCS0      | 1   | 48  | 5240        | 0.05             | 0.05  | 13.50                         | 11.60 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| VHT40      | MCS0      | 1   | 38  | 5190        | 0.09             | 0.11  | 13.70                         | 11.80 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| VHT40      | MCS0      | 1   | 46  | 5230        | 0.09             | 0.11  | 13.70                         | 11.50 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| VHT80      | MCS0      | 1   | 42  | 5210        | 0.19             | 0.19  | 13.80                         | 11.80 |       | 24.00                           | 24.00 | -5.70    | -7.30 | Pass      |
| 11a        | 6Mbps     | 2   | 36  | 5180        | 0.10             | 0.14  | 13.90                         | 11.70 | 15.95 | 24.00                           |       | -5.70    |       | Pass      |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 0.10             | 0.14  | 13.50                         | 11.90 | 15.78 | 24.00                           |       | -5.70    |       | Pass      |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 0.10             | 0.14  | 13.90                         | 11.90 | 16.02 | 24.00                           |       | -5.70    |       | Pass      |
| HT20       | MCS0      | 2   | 36  | 5180        | 0.05             | 0.08  | 14.00                         | 11.90 | 16.09 | 24.00                           |       | -5.70    |       | Pass      |
| HT20       | MCS0      | 2   | 44  | 5220        | 0.05             | 0.08  | 14.00                         | 11.80 | 16.05 | 24.00                           |       | -5.70    |       | Pass      |
| HT20       | MCS0      | 2   | 48  | 5240        | 0.05             | 0.08  | 13.90                         | 12.00 | 16.06 | 24.00                           |       | -5.70    |       | Pass      |
| HT40       | MCS0      | 2   | 38  | 5190        | 0.14             | 0.14  | 14.00                         | 12.00 | 16.12 | 24.00                           |       | -5.70    |       | Pass      |
| HT40       | MCS0      | 2   | 46  | 5230        | 0.14             | 0.14  | 14.00                         | 11.50 | 15.94 | 24.00                           |       | -5.70    |       | Pass      |
| VHT20      | MCS0      | 2   | 36  | 5180        | 0.11             | 0.11  | 13.90                         | 11.80 | 15.99 | 24.00                           |       | -5.70    |       | Pass      |
| VHT20      | MCS0      | 2   | 44  | 5220        | 0.11             | 0.11  | 14.00                         | 11.70 | 16.01 | 24.00                           |       | -5.70    |       | Pass      |
| VHT20      | MCS0      | 2   | 48  | 5240        | 0.11             | 0.11  | 13.80                         | 11.90 | 15.96 | 24.00                           |       | -5.70    |       | Pass      |
| VHT40      | MCS0      | 2   | 38  | 5190        | 0.14             | 0.14  | 13.90                         | 11.90 | 16.02 | 24.00                           |       | -5.70    |       | Pass      |
| VHT40      | MCS0      | 2   | 46  | 5230        | 0.14             | 0.14  | 13.90                         | 11.40 | 15.84 | 24.00                           |       | -5.70    |       | Pass      |
| VHT80      | MCS0      | 2   | 42  | 5210        | 0.30             | 0.33  | 13.90                         | 11.60 | 15.91 | 24.00                           |       | -5.70    |       | Pass      |

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

| FCC Band I |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |            |
|------------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.       | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|            |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a        | 6Mbps     | 2   | 36  | 5180        | 0.10             | 0.14  |                                 |       | 4.84  | 11.00                       |       | -3.45    |       | Pass       |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 0.10             | 0.14  |                                 |       | 4.93  | 11.00                       |       | -3.45    |       | Pass       |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 0.10             | 0.14  |                                 |       | 4.78  | 11.00                       |       | -3.45    |       | Pass       |
| HT20       | MCS0      | 2   | 36  | 5180        | 0.05             | 0.08  |                                 |       | 4.26  | 11.00                       |       | -3.45    |       | Pass       |
| HT20       | MCS0      | 2   | 44  | 5220        | 0.05             | 0.08  |                                 |       | 4.50  | 11.00                       |       | -3.45    |       | Pass       |
| HT20       | MCS0      | 2   | 48  | 5240        | 0.05             | 0.08  |                                 |       | 4.19  | 11.00                       |       | -3.45    |       | Pass       |
| HT40       | MCS0      | 2   | 38  | 5190        | 0.14             | 0.14  |                                 |       | 1.90  | 11.00                       |       | -3.45    |       | Pass       |
| HT40       | MCS0      | 2   | 46  | 5230        | 0.14             | 0.14  |                                 |       | 1.74  | 11.00                       |       | -3.45    |       | Pass       |
| VHT80      | MCS0      | 2   | 42  | 5210        | 0.30             | 0.33  |                                 |       | -0.46 | 11.00                       |       | -3.45    |       | Pass       |

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

| Band II |           |     |     |             |                     |       |                       |       |                                      |       |      |
|---------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|--------------------------------------|-------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|         |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 16.98               | 16.78 | 25.52                 | 23.68 | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 16.98               | 16.78 | 25.48                 | 23.93 | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 16.98               | 16.73 | 25.52                 | 23.78 | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 52  | 5260        | 18.08               | 17.88 | 26.22                 | 25.03 | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 60  | 5300        | 18.13               | 17.88 | 26.52                 | 25.18 | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 64  | 5320        | 17.93               | 17.88 | 25.87                 | 25.48 | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 54  | 5270        | 37.26               | 37.06 | 43.34                 | 43.16 | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 62  | 5310        | 37.16               | 36.86 | 43.16                 | 42.89 | 23.98                                |       |      |
| VHT80   | MCS0      | 2   | 58  | 5290        | 77.32               | 77.08 | 87.59                 | 84.08 | 23.98                                |       |      |

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

| FCC Band II |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |                        |           |
|-------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|             |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a         | 6Mbps     | 1   | 52  | 5260        | 0.12             | 0.14  | 13.60                         | 11.80 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| 11a         | 6Mbps     | 1   | 60  | 5300        | 0.12             | 0.14  | 13.70                         | 11.90 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| 11a         | 6Mbps     | 1   | 64  | 5320        | 0.12             | 0.14  | 13.80                         | 11.90 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| HT20        | MCS0      | 1   | 52  | 5260        | 0.05             | 0.05  | 13.50                         | 11.80 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| HT20        | MCS0      | 1   | 60  | 5300        | 0.05             | 0.05  | 13.60                         | 11.90 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| HT20        | MCS0      | 1   | 64  | 5320        | 0.05             | 0.05  | 13.80                         | 11.90 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| HT40        | MCS0      | 1   | 54  | 5270        | 0.11             | 0.11  | 13.60                         | 11.80 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| HT40        | MCS0      | 1   | 62  | 5310        | 0.11             | 0.11  | 13.70                         | 11.80 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| VHT20       | MCS0      | 1   | 52  | 5260        | 0.05             | 0.05  | 13.40                         | 11.70 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| VHT20       | MCS0      | 1   | 60  | 5300        | 0.05             | 0.05  | 13.50                         | 11.80 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| VHT20       | MCS0      | 1   | 64  | 5320        | 0.05             | 0.05  | 13.70                         | 11.80 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| VHT40       | MCS0      | 1   | 54  | 5270        | 0.09             | 0.11  | 13.50                         | 11.70 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| VHT40       | MCS0      | 1   | 62  | 5310        | 0.09             | 0.11  | 13.60                         | 11.70 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| VHT80       | MCS0      | 1   | 58  | 5290        | 0.19             | 0.19  | 13.80                         | 11.70 |       | 23.98                           | 23.98 | -5.30    | -4.90 | 30                     | Pass      |
| 11a         | 6Mbps     | 2   | 52  | 5260        | 0.10             | 0.14  | 13.80                         | 11.50 | 15.81 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| 11a         | 6Mbps     | 2   | 60  | 5300        | 0.10             | 0.14  | 13.80                         | 11.70 | 15.89 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| 11a         | 6Mbps     | 2   | 64  | 5320        | 0.10             | 0.14  | 13.80                         | 11.60 | 15.85 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| HT20        | MCS0      | 2   | 52  | 5260        | 0.05             | 0.08  | 13.70                         | 11.60 | 15.79 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| HT20        | MCS0      | 2   | 60  | 5300        | 0.05             | 0.08  | 13.70                         | 11.70 | 15.82 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| HT20        | MCS0      | 2   | 64  | 5320        | 0.05             | 0.08  | 13.90                         | 11.80 | 15.99 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| HT40        | MCS0      | 2   | 54  | 5270        | 0.14             | 0.14  | 13.90                         | 12.00 | 16.06 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| HT40        | MCS0      | 2   | 62  | 5310        | 0.14             | 0.14  | 13.80                         | 11.70 | 15.89 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| VHT20       | MCS0      | 2   | 52  | 5260        | 0.11             | 0.11  | 13.60                         | 11.50 | 15.69 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| VHT20       | MCS0      | 2   | 60  | 5300        | 0.11             | 0.11  | 13.60                         | 11.60 | 15.72 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| VHT20       | MCS0      | 2   | 64  | 5320        | 0.11             | 0.11  | 13.80                         | 11.70 | 15.89 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| VHT40       | MCS0      | 2   | 54  | 5270        | 0.14             | 0.14  | 13.90                         | 11.90 | 16.02 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| VHT40       | MCS0      | 2   | 62  | 5310        | 0.14             | 0.14  | 13.70                         | 11.60 | 15.79 | 23.98                           |       | -4.90    |       | 30                     | Pass      |
| VHT80       | MCS0      | 2   | 58  | 5290        | 0.30             | 0.33  | 13.90                         | 11.50 | 15.87 | 23.98                           |       | -4.90    |       | 30                     | Pass      |

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

| Band II |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |            |
|---------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|         |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 0.10             | 0.14  |                                 |       | 4.90  | 11.00                       |       | -2.09    |       | Pass       |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 0.10             | 0.14  |                                 |       | 5.00  | 11.00                       |       | -2.09    |       | Pass       |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 0.10             | 0.14  |                                 |       | 5.02  | 11.00                       |       | -2.09    |       | Pass       |
| HT20    | MCS0      | 2   | 52  | 5260        | 0.05             | 0.08  |                                 |       | 4.30  | 11.00                       |       | -2.09    |       | Pass       |
| HT20    | MCS0      | 2   | 60  | 5300        | 0.05             | 0.08  |                                 |       | 4.40  | 11.00                       |       | -2.09    |       | Pass       |
| HT20    | MCS0      | 2   | 64  | 5320        | 0.05             | 0.08  |                                 |       | 4.41  | 11.00                       |       | -2.09    |       | Pass       |
| HT40    | MCS0      | 2   | 54  | 5270        | 0.14             | 0.14  |                                 |       | 1.81  | 11.00                       |       | -2.09    |       | Pass       |
| HT40    | MCS0      | 2   | 62  | 5310        | 0.14             | 0.14  |                                 |       | 1.55  | 11.00                       |       | -2.09    |       | Pass       |
| VHT80   | MCS0      | 2   | 58  | 5290        | 0.30             | 0.33  |                                 |       | -0.84 | 11.00                       |       | -2.09    |       | Pass       |

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

| Band III |           |     |     |             |                                 |       |                                   |       |                                      |       |                                           |       |
|----------|-----------|-----|-----|-------------|---------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|-------------------------------------------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth In U-NII 2C (MHz) |       | 26 dB Bandwidth In U-NII 2C (MHz) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |
|          |           |     |     |             | Ant 1                           | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 | Ant 1                                     | Ant 2 |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 16.93                           | 16.73 | 26.37                             | 23.58 | 23.98                                |       | ----                                      | ----  |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 17.03                           | 16.73 | 25.18                             | 23.83 | 23.98                                |       | ----                                      | ----  |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 17.03                           | 16.78 | 25.03                             | 23.78 | 23.98                                |       | ----                                      | ----  |
| 11a      | 6Mbps     | 2   | 144 | 5720        | 13.49                           | 13.39 | 17.19                             | 17.04 | 23.31                                |       | 3.142                                     | 3.142 |
| HT20     | MCS0      | 2   | 100 | 5500        | 18.13                           | 17.88 | 26.12                             | 25.13 | 23.98                                |       | ----                                      | ----  |
| HT20     | MCS0      | 2   | 116 | 5580        | 18.13                           | 17.83 | 26.32                             | 24.98 | 23.98                                |       | ----                                      | ----  |
| HT20     | MCS0      | 2   | 140 | 5700        | 18.18                           | 17.88 | 26.32                             | 25.33 | 23.98                                |       | ----                                      | ----  |
| HT20     | MCS0      | 2   | 144 | 5720        | 14.04                           | 13.94 | 18.19                             | 17.89 | 23.53                                |       | 3.791                                     | 3.791 |
| HT40     | MCS0      | 2   | 102 | 5510        | 37.36                           | 37.16 | 43.34                             | 43.07 | 23.98                                |       | ----                                      | ----  |
| HT40     | MCS0      | 2   | 110 | 5550        | 37.46                           | 37.06 | 44.06                             | 43.16 | 23.98                                |       | ----                                      | ----  |
| HT40     | MCS0      | 2   | 134 | 5670        | 37.26                           | 37.06 | 43.70                             | 43.61 | 23.98                                |       | ----                                      | ----  |
| HT40     | MCS0      | 2   | 142 | 5710        | 33.58                           | 33.48 | 36.85                             | 36.49 | 23.98                                |       | 3.162                                     | 3.162 |
| VHT80    | MCS0      | 2   | 106 | 5530        | 77.56                           | 77.08 | 86.47                             | 85.67 | 23.98                                |       | ----                                      | ----  |
| VHT80    | MCS0      | 2   | 122 | 5610        | 77.44                           | 77.08 | 86.15                             | 85.99 | 23.98                                |       | ----                                      | ----  |
| VHT80    | MCS0      | 2   | 138 | 5690        | 73.36                           | 73.48 | 77.20                             | 77.36 | 23.98                                |       | 2.88                                      | 3.2   |

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

| FCC Band III |           |     |     |             |                  |       |                               |       |     |                                 |       |          |       |                        |           |
|--------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a          | 6Mbps     | 1   | 100 | 5500        | 0.12             | 0.14  | 13.80                         | 11.90 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 116 | 5580        | 0.12             | 0.14  | 13.90                         | 11.60 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 140 | 5700        | 0.12             | 0.14  | 11.10                         | 11.80 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 144 | 5720        | 0.12             | 0.14  | 13.60                         | 11.90 |     | 23.31                           | 23.31 | -5.70    | 1.30  | 30                     | Pass      |
| HT20         | MCS0      | 1   | 100 | 5500        | 0.05             | 0.05  | 13.90                         | 11.80 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| HT20         | MCS0      | 1   | 116 | 5580        | 0.05             | 0.05  | 13.80                         | 11.90 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| HT20         | MCS0      | 1   | 140 | 5700        | 0.05             | 0.05  | 12.50                         | 11.70 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| HT20         | MCS0      | 1   | 144 | 5720        | 0.05             | 0.05  | 13.60                         | 11.90 |     | 23.53                           | 23.53 | -5.70    | 1.30  | 30                     | Pass      |
| HT40         | MCS0      | 1   | 102 | 5510        | 0.11             | 0.11  | 13.80                         | 11.90 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| HT40         | MCS0      | 1   | 110 | 5550        | 0.11             | 0.11  | 13.80                         | 11.70 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| HT40         | MCS0      | 1   | 134 | 5670        | 0.11             | 0.11  | 13.70                         | 11.90 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| HT40         | MCS0      | 1   | 142 | 5710        | 0.11             | 0.11  | 13.80                         | 11.90 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 100 | 5500        | 0.05             | 0.05  | 13.80                         | 11.70 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 116 | 5580        | 0.05             | 0.05  | 13.70                         | 11.80 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 140 | 5700        | 0.05             | 0.05  | 12.40                         | 11.60 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 144 | 5720        | 0.05             | 0.05  | 13.50                         | 11.80 |     | 23.53                           | 23.53 | -5.70    | 1.30  | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 102 | 5510        | 0.09             | 0.11  | 13.70                         | 11.80 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 110 | 5550        | 0.09             | 0.11  | 13.70                         | 11.60 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 134 | 5670        | 0.09             | 0.11  | 13.60                         | 11.80 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 142 | 5710        | 0.09             | 0.11  | 13.70                         | 11.50 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT80        | MCS0      | 1   | 106 | 5530        | 0.19             | 0.19  | 13.90                         | 11.90 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT80        | MCS0      | 1   | 122 | 5610        | 0.19             | 0.19  | 13.80                         | 11.80 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |
| VHT80        | MCS0      | 1   | 138 | 5690        | 0.19             | 0.19  | 13.70                         | 11.70 |     | 23.98                           | 23.98 | -5.70    | 1.30  | 30                     | Pass      |

| FCC Band III |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |                        |           |
|--------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a          | 6Mbps     | 2   | 100 | 5500        | 0.10             | 0.14  | 13.90                         | 11.60 | 15.91 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| 11a          | 6Mbps     | 2   | 116 | 5580        | 0.10             | 0.14  | 13.60                         | 11.50 | 15.69 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| 11a          | 6Mbps     | 2   | 140 | 5700        | 0.10             | 0.14  | 11.30                         | 11.90 | 14.62 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| 11a          | 6Mbps     | 2   | 144 | 5720        | 0.10             | 0.14  | 13.70                         | 11.90 | 15.90 | 23.31                           |       | 1.30     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 100 | 5500        | 0.05             | 0.08  | 14.00                         | 11.90 | 16.09 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 116 | 5580        | 0.05             | 0.08  | 14.00                         | 12.00 | 16.12 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 140 | 5700        | 0.05             | 0.08  | 12.50                         | 11.70 | 15.13 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 144 | 5720        | 0.05             | 0.08  | 13.90                         | 11.70 | 15.95 | 23.53                           |       | 1.30     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 102 | 5510        | 0.14             | 0.14  | 13.80                         | 11.90 | 15.96 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 110 | 5550        | 0.14             | 0.14  | 13.80                         | 11.70 | 15.89 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 134 | 5670        | 0.14             | 0.14  | 14.00                         | 11.60 | 15.97 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 142 | 5710        | 0.14             | 0.14  | 14.00                         | 11.60 | 15.97 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 100 | 5500        | 0.11             | 0.11  | 13.80                         | 12.00 | 16.00 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 116 | 5580        | 0.11             | 0.11  | 14.00                         | 11.80 | 16.05 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 140 | 5700        | 0.11             | 0.11  | 12.40                         | 11.50 | 14.98 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 144 | 5720        | 0.11             | 0.11  | 13.70                         | 11.90 | 15.90 | 23.53                           |       | 1.30     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 102 | 5510        | 0.14             | 0.14  | 13.80                         | 11.80 | 15.92 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 110 | 5550        | 0.14             | 0.14  | 13.90                         | 11.60 | 15.91 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 134 | 5670        | 0.14             | 0.14  | 14.00                         | 11.50 | 15.94 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 142 | 5710        | 0.14             | 0.14  | 13.80                         | 11.50 | 15.81 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT80        | MCS0      | 2   | 106 | 5530        | 0.30             | 0.33  | 14.00                         | 12.00 | 16.12 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT80        | MCS0      | 2   | 122 | 5610        | 0.30             | 0.33  | 14.00                         | 11.90 | 16.09 | 23.98                           |       | 1.30     |       | 30                     | Pass      |
| VHT80        | MCS0      | 2   | 138 | 5690        | 0.30             | 0.33  | 14.00                         | 11.90 | 16.09 | 23.98                           |       | 1.30     |       | 30                     | Pass      |

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

| Band III |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |            |
|----------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|          |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 0.10             | 0.14  |                                 |       | 4.67  | 11.00                       |       | 1.50     | Pass  |            |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 0.10             | 0.14  |                                 |       | 5.14  | 11.00                       |       | 1.50     | Pass  |            |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 0.10             | 0.14  |                                 |       | 5.03  | 11.00                       |       | 1.50     | Pass  |            |
| 11a      | 6Mbps     | 2   | 144 | 5720        | 0.10             | 0.14  |                                 |       | 5.03  | 11.00                       |       | 1.50     | Pass  |            |
| HT20     | MCS0      | 2   | 100 | 5500        | 0.05             | 0.08  |                                 |       | 4.48  | 11.00                       |       | 1.50     | Pass  |            |
| HT20     | MCS0      | 2   | 116 | 5580        | 0.05             | 0.08  |                                 |       | 4.78  | 11.00                       |       | 1.50     | Pass  |            |
| HT20     | MCS0      | 2   | 140 | 5700        | 0.05             | 0.08  |                                 |       | 3.05  | 11.00                       |       | 1.50     | Pass  |            |
| HT20     | MCS0      | 2   | 144 | 5720        | 0.05             | 0.08  |                                 |       | 4.52  | 11.00                       |       | 1.50     | Pass  |            |
| HT40     | MCS0      | 2   | 102 | 5510        | 0.14             | 0.14  |                                 |       | 1.45  | 11.00                       |       | 1.50     | Pass  |            |
| HT40     | MCS0      | 2   | 110 | 5550        | 0.14             | 0.14  |                                 |       | 1.51  | 11.00                       |       | 1.50     | Pass  |            |
| HT40     | MCS0      | 2   | 134 | 5670        | 0.14             | 0.14  |                                 |       | 1.18  | 11.00                       |       | 1.50     | Pass  |            |
| HT40     | MCS0      | 2   | 142 | 5710        | 0.14             | 0.14  |                                 |       | 1.68  | 11.00                       |       | 1.50     | Pass  |            |
| VHT80    | MCS0      | 2   | 106 | 5530        | 0.30             | 0.33  |                                 |       | -0.74 | 11.00                       |       | 1.50     | Pass  |            |
| VHT80    | MCS0      | 2   | 122 | 5610        | 0.30             | 0.33  |                                 |       | -0.69 | 11.00                       |       | 1.50     | Pass  |            |
| VHT80    | MCS0      | 2   | 138 | 5690        | 0.30             | 0.33  |                                 |       | -0.49 | 11.00                       |       | 1.50     | Pass  |            |



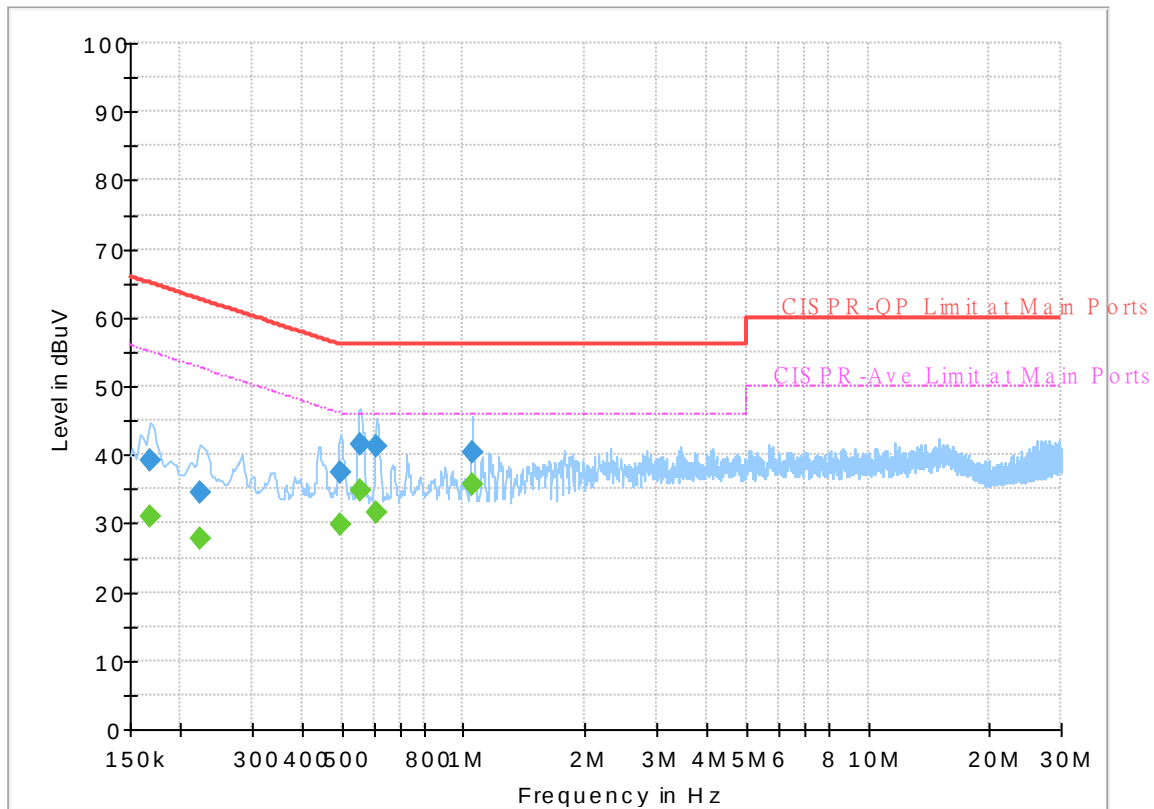
## Appendix B. AC Conducted Emission Test Results

|                 |          |                     |        |
|-----------------|----------|---------------------|--------|
| Test Engineer : | Rick Lin | Temperature :       | 22~23℃ |
|                 |          | Relative Humidity : | 53~55% |

## EUT Information

Report NO : 8O2423-02  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



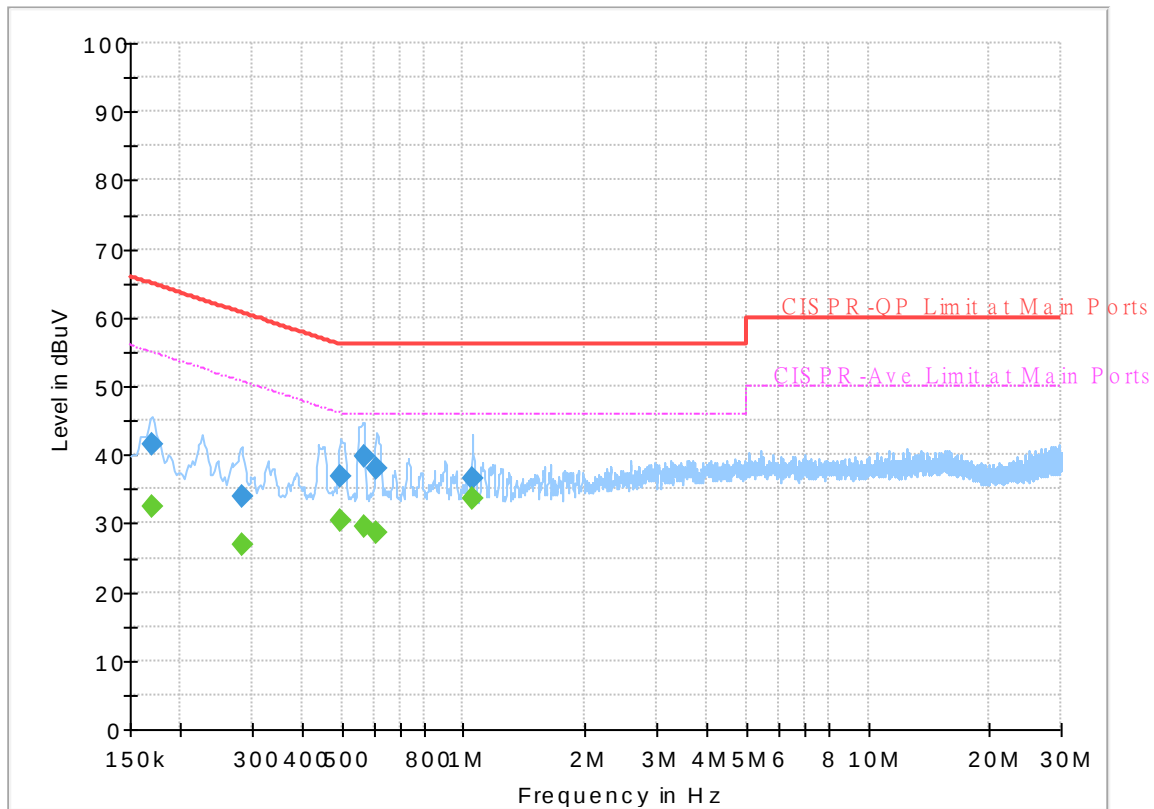
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.168000        | ---              | 30.88           | 55.06        | 24.18       | L1   | OFF    | 19.5       |
| 0.168000        | 39.12            | ---             | 65.06        | 25.94       | L1   | OFF    | 19.5       |
| 0.224250        | ---              | 27.88           | 52.66        | 24.78       | L1   | OFF    | 19.5       |
| 0.224250        | 34.63            | ---             | 62.66        | 28.03       | L1   | OFF    | 19.5       |
| 0.498750        | ---              | 29.72           | 46.02        | 16.30       | L1   | OFF    | 19.5       |
| 0.498750        | 37.48            | ---             | 56.02        | 18.54       | L1   | OFF    | 19.5       |
| 0.557250        | ---              | 34.89           | 46.00        | 11.11       | L1   | OFF    | 19.5       |
| 0.557250        | 41.63            | ---             | 56.00        | 14.37       | L1   | OFF    | 19.5       |
| 0.611250        | ---              | 31.45           | 46.00        | 14.55       | L1   | OFF    | 19.6       |
| 0.611250        | 41.11            | ---             | 56.00        | 14.89       | L1   | OFF    | 19.6       |
| 1.052250        | ---              | 35.66           | 46.00        | 10.34       | L1   | OFF    | 19.6       |
| 1.052250        | 40.39            | ---             | 56.00        | 15.61       | L1   | OFF    | 19.6       |

## EUT Information

Report NO : 8O2423-02  
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) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.170250        | ---              | 32.49           | 54.95        | 22.46       | N    | OFF    | 19.5       |
| 0.170250        | 41.44            | ---             | 64.95        | 23.51       | N    | OFF    | 19.5       |
| 0.282750        | ---              | 26.85           | 50.74        | 23.89       | N    | OFF    | 19.5       |
| 0.282750        | 33.86            | ---             | 60.74        | 26.88       | N    | OFF    | 19.5       |
| 0.498750        | ---              | 30.48           | 46.02        | 15.54       | N    | OFF    | 19.5       |
| 0.498750        | 36.88            | ---             | 56.02        | 19.14       | N    | OFF    | 19.5       |
| 0.566250        | ---              | 29.66           | 46.00        | 16.34       | N    | OFF    | 19.5       |
| 0.566250        | 39.68            | ---             | 56.00        | 16.32       | N    | OFF    | 19.5       |
| 0.609000        | ---              | 28.76           | 46.00        | 17.24       | N    | OFF    | 19.6       |
| 0.609000        | 38.16            | ---             | 56.00        | 17.84       | N    | OFF    | 19.6       |
| 1.054500        | ---              | 33.56           | 46.00        | 12.44       | N    | OFF    | 19.6       |
| 1.054500        | 36.49            | ---             | 56.00        | 19.51       | N    | OFF    | 19.6       |



## Appendix C. Radiated Spurious Emission

|                 |                              |                     |         |
|-----------------|------------------------------|---------------------|---------|
| Test Engineer : | HAO Shu, JC Liang, and KenWu | Temperature :       | 20~25°C |
|                 |                              | Relative Humidity : | 50~55%  |

### Band 1 - 5150~5250MHz

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

| WIFI Ant.                   | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                         |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5104.26   | 48.94      | -25.06     | 74         | 40.63      | 31.81          | 9.62      | 33.12         | 187     | 302       | P         | H       |
|                             |      | 5147.94   | 41.04      | -12.96     | 54         | 32.58      | 31.9           | 9.68      | 33.12         | 187     | 302       | A         | H       |
|                             | *    | 5180      | 102.38     | -          | -          | 94.05      | 31.72          | 9.73      | 33.12         | 187     | 302       | P         | H       |
|                             | *    | 5180      | 93.34      | -          | -          | 85.01      | 31.72          | 9.73      | 33.12         | 187     | 302       | A         | H       |
|                             |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |      | 5132.34   | 50.32      | -23.68     | 74         | 41.92      | 31.86          | 9.66      | 33.12         | 201     | 0         | P         | V       |
|                             |      | 5149.24   | 41.26      | -12.74     | 54         | 32.8       | 31.9           | 9.68      | 33.12         | 201     | 0         | A         | V       |
|                             | *    | 5180      | 101.83     | -          | -          | 93.5       | 31.72          | 9.73      | 33.12         | 201     | 0         | P         | V       |
|                             | *    | 5180      | 93.73      | -          | -          | 85.4       | 31.72          | 9.73      | 33.12         | 201     | 0         | A         | V       |
|                             |      |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5090.48   | 49         | -25        | 74         | 40.76      | 31.76          | 9.6       | 33.12         | 189     | 301       | P         | H       |
|                             |      | 5085.8    | 40.76      | -13.24     | 54         | 32.55      | 31.74          | 9.59      | 33.12         | 189     | 301       | A         | H       |
|                             | *    | 5220      | 101.41     | -          | -          | 93.24      | 31.52          | 9.77      | 33.12         | 189     | 301       | P         | H       |
|                             | *    | 5220      | 92.84      | -          | -          | 84.67      | 31.52          | 9.77      | 33.12         | 189     | 301       | A         | H       |
|                             |      | 5458.39   | 47.84      | -26.16     | 74         | 39.33      | 31.73          | 9.89      | 33.11         | 189     | 301       | P         | H       |
|                             |      | 5460.01   | 39.47      | -14.53     | 54         | 30.95      | 31.74          | 9.89      | 33.11         | 189     | 301       | A         | H       |
|                             |      | 5053.56   | 48.55      | -25.45     | 74         | 40.52      | 31.61          | 9.54      | 33.12         | 200     | 0         | P         | V       |
|                             |      | 5088.92   | 40.7       | -13.3      | 54         | 32.47      | 31.76          | 9.59      | 33.12         | 200     | 0         | A         | V       |
|                             | *    | 5220      | 102.39     | -          | -          | 94.22      | 31.52          | 9.77      | 33.12         | 200     | 0         | P         | V       |
|                             | *    | 5220      | 93.88      | -          | -          | 85.71      | 31.52          | 9.77      | 33.12         | 200     | 0         | A         | V       |
|                             |      | 5451.91   | 48.24      | -25.76     | 74         | 39.75      | 31.71          | 9.89      | 33.11         | 200     | 0         | P         | V       |
|                             |      | 5452.45   | 39.44      | -14.56     | 54         | 30.95      | 31.71          | 9.89      | 33.11         | 200     | 0         | A         | V       |



|                                                  |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5043.16 | 49.52  | -24.48 | 74 | 41.55 | 31.57 | 9.52 | 33.12 | 189 | 301 | P | H |
|                                                  |                                                                                             | 5118.56 | 40.66  | -13.34 | 54 | 32.3  | 31.84 | 9.64 | 33.12 | 189 | 301 | A | H |
|                                                  | *                                                                                           | 5240    | 102.23 | -      | -  | 94.13 | 31.44 | 9.78 | 33.12 | 189 | 301 | P | H |
|                                                  | *                                                                                           | 5240    | 93.31  | -      | -  | 85.21 | 31.44 | 9.78 | 33.12 | 189 | 301 | A | H |
|                                                  |                                                                                             | 5355.25 | 49.17  | -24.83 | 74 | 41.13 | 31.33 | 9.82 | 33.11 | 189 | 301 | P | H |
|                                                  |                                                                                             | 5353.09 | 39.35  | -14.65 | 54 | 31.32 | 31.32 | 9.82 | 33.11 | 189 | 301 | A | H |
|                                                  |                                                                                             | 5139.36 | 49.59  | -24.41 | 74 | 41.16 | 31.88 | 9.67 | 33.12 | 204 | 360 | P | V |
|                                                  |                                                                                             | 5094.64 | 40.69  | -13.31 | 54 | 32.43 | 31.78 | 9.6  | 33.12 | 204 | 360 | A | V |
|                                                  | *                                                                                           | 5240    | 101.43 | -      | -  | 93.33 | 31.44 | 9.78 | 33.12 | 204 | 360 | P | V |
|                                                  | *                                                                                           | 5240    | 93.15  | -      | -  | 85.05 | 31.44 | 9.78 | 33.12 | 204 | 360 | P | V |
|                                                  |                                                                                             | 5452.45 | 48.16  | -25.84 | 74 | 39.67 | 31.71 | 9.89 | 33.11 | 204 | 360 | P | V |
|                                                  |                                                                                             | 5452.72 | 39.38  | -14.62 | 54 | 30.89 | 31.71 | 9.89 | 33.11 | 204 | 360 | 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 802.11a (Harmonic @ 3m)

| WIFI Ant.                   | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|-----------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                         |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11a<br>CH 36<br>5180MHz |                                                                                             | 10360     | 44.23      | -23.97     | 68.2       | 49.44      | 39.54          | 15.26     | 60.01         | 100     | 0         | P         | H     |
|                             |                                                                                             | 15540     | 41.82      | -32.18     | 74         | 42.67      | 38.3           | 18.9      | 58.05         | 100     | 0         | P         | H     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                             |                                                                                             | 10360     | 43.6       | -24.6      | 68.2       | 48.81      | 39.54          | 15.26     | 60.01         | 100     | 0         | P         | V     |
|                             |                                                                                             | 15540     | 42.23      | -31.77     | 74         | 43.08      | 38.3           | 18.9      | 58.05         | 100     | 0         | P         | V     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440     | 43.5       | -24.7      | 68.2       | 48.64      | 39.7           | 15.31     | 60.15         | 100     | 0         | P         | H     |
|                             |                                                                                             | 15660     | 42.32      | -31.68     | 74         | 43.55      | 37.7           | 18.95     | 57.88         | 100     | 0         | P         | H     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                             |                                                                                             | 10440     | 43.24      | -24.96     | 68.2       | 48.38      | 39.7           | 15.31     | 60.15         | 100     | 0         | P         | V     |
|                             |                                                                                             | 15660     | 43.46      | -30.54     | 74         | 44.69      | 37.7           | 18.95     | 57.88         | 100     | 0         | P         | V     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480     | 42.94      | -25.26     | 68.2       | 48.17      | 39.7           | 15.33     | 60.26         | 100     | 0         | P         | H     |
|                             |                                                                                             | 15720     | 40.71      | -33.29     | 74         | 42         | 37.52          | 18.98     | 57.79         | 100     | 0         | P         | H     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                             |                                                                                             | 10480     | 43.48      | -24.72     | 68.2       | 48.71      | 39.7           | 15.33     | 60.26         | 100     | 0         | P         | V     |
|                             |                                                                                             | 15720     | 41.2       | -32.8      | 74         | 42.49      | 37.52          | 18.98     | 57.79         | 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 802.11n HT20 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                 | 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 ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 36<br>5180MHz |      | 5148.72              | 54.24               | -19.76                  | 74                          | 45.78                     | 31.9                          | 9.68                   | 33.12                      | 201                  | 303                     | P                       | H               |
|                                     |      | 5148.2               | 40.06               | -13.94                  | 54                          | 31.6                      | 31.9                          | 9.68                   | 33.12                      | 201                  | 303                     | A                       | H               |
|                                     | *    | 5180                 | 99.53               | -                       | -                           | 91.2                      | 31.72                         | 9.73                   | 33.12                      | 201                  | 303                     | P                       | H               |
|                                     | *    | 5180                 | 90.83               | -                       | -                           | 82.5                      | 31.72                         | 9.73                   | 33.12                      | 201                  | 303                     | A                       | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      | 5125.84              | 50.77               | -23.23                  | 74                          | 42.39                     | 31.85                         | 9.65                   | 33.12                      | 219                  | 343                     | P                       | V               |
|                                     |      | 5149.76              | 40.4                | -13.6                   | 54                          | 31.94                     | 31.9                          | 9.68                   | 33.12                      | 219                  | 343                     | A                       | V               |
|                                     | *    | 5180                 | 101.88              | -                       | -                           | 93.55                     | 31.72                         | 9.73                   | 33.12                      | 219                  | 343                     | P                       | V               |
|                                     | *    | 5180                 | 92.53               | -                       | -                           | 84.2                      | 31.72                         | 9.73                   | 33.12                      | 219                  | 343                     | A                       | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |      | 5090.48              | 49.65               | -24.35                  | 74                          | 41.41                     | 31.76                         | 9.6                    | 33.12                      | 100                  | 336                     | P                       | H               |
|                                     |      | 5103.48              | 39.8                | -14.2                   | 54                          | 31.49                     | 31.81                         | 9.62                   | 33.12                      | 100                  | 336                     | A                       | H               |
|                                     | *    | 5220                 | 99.57               | -                       | -                           | 91.4                      | 31.52                         | 9.77                   | 33.12                      | 100                  | 336                     | P                       | H               |
|                                     | *    | 5220                 | 90.07               | -                       | -                           | 81.9                      | 31.52                         | 9.77                   | 33.12                      | 100                  | 336                     | A                       | H               |
|                                     |      | 5426.4               | 48.75               | -25.25                  | 74                          | 40.35                     | 31.65                         | 9.86                   | 33.11                      | 100                  | 336                     | P                       | H               |
|                                     |      | 5452.8               | 39.16               | -14.84                  | 54                          | 30.67                     | 31.71                         | 9.89                   | 33.11                      | 100                  | 336                     | A                       | H               |
|                                     |      | 5030.68              | 50.81               | -23.19                  | 74                          | 42.9                      | 31.52                         | 9.51                   | 33.12                      | 198                  | 334                     | P                       | V               |
|                                     |      | 5108.16              | 39.88               | -14.12                  | 54                          | 31.56                     | 31.82                         | 9.62                   | 33.12                      | 198                  | 334                     | A                       | V               |
|                                     | *    | 5220                 | 101.07              | -                       | -                           | 92.9                      | 31.52                         | 9.77                   | 33.12                      | 198                  | 334                     | P                       | V               |
|                                     | *    | 5220                 | 92.32               | -                       | -                           | 84.15                     | 31.52                         | 9.77                   | 33.12                      | 198                  | 334                     | A                       | V               |
|                                     |      | 5453.76              | 48.03               | -25.97                  | 74                          | 39.53                     | 31.72                         | 9.89                   | 33.11                      | 198                  | 334                     | P                       | V               |
|                                     |      | 5452.8               | 38.93               | -15.07                  | 54                          | 30.44                     | 31.71                         | 9.89                   | 33.11                      | 198                  | 334                     | A                       | V               |



|                                                                 |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5076.96 | 49.06  | -24.94 | 74 | 40.89 | 31.71 | 9.58 | 33.12 | 144 | 323 | P | H |
|                                                                 |                                                                                             | 5096.72 | 39.8   | -14.2  | 54 | 31.52 | 31.79 | 9.61 | 33.12 | 144 | 323 | A | H |
|                                                                 | *                                                                                           | 5240    | 100.39 | -      | -  | 92.29 | 31.44 | 9.78 | 33.12 | 144 | 323 | P | H |
|                                                                 | *                                                                                           | 5240    | 90.9   | -      | -  | 82.8  | 31.44 | 9.78 | 33.12 | 144 | 323 | A | H |
|                                                                 |                                                                                             | 5353.44 | 49.04  | -24.96 | 74 | 41.01 | 31.32 | 9.82 | 33.11 | 144 | 323 | P | H |
|                                                                 |                                                                                             | 5351.52 | 39.41  | -14.59 | 54 | 31.39 | 31.31 | 9.82 | 33.11 | 144 | 323 | A | H |
|                                                                 |                                                                                             | 5139.62 | 49.92  | -24.08 | 74 | 41.49 | 31.88 | 9.67 | 33.12 | 209 | 342 | P | V |
|                                                                 |                                                                                             | 5128.18 | 39.86  | -14.14 | 54 | 31.47 | 31.86 | 9.65 | 33.12 | 209 | 342 | A | V |
|                                                                 | *                                                                                           | 5240    | 101.2  | -      | -  | 93.1  | 31.44 | 9.78 | 33.12 | 209 | 342 | P | V |
|                                                                 | *                                                                                           | 5240    | 92.43  | -      | -  | 84.33 | 31.44 | 9.78 | 33.12 | 209 | 342 | A | V |
|                                                                 |                                                                                             | 5423.04 | 47.78  | -26.22 | 74 | 39.38 | 31.65 | 9.86 | 33.11 | 209 | 342 | P | V |
|                                                                 |                                                                                             | 5452.8  | 38.74  | -15.26 | 54 | 30.25 | 31.71 | 9.89 | 33.11 | 209 | 342 | 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 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant.                           | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11n<br>HT20<br>CH 36<br>5180MHz |                                                                                             | 10360     | 42.73      | -25.47     | 68.2       | 47.94      | 39.54          | 15.26     | 60.01         | 100     | 0         | P         | H       |
|                                     |                                                                                             | 15540     | 40.91      | -33.09     | 74         | 41.76      | 38.3           | 18.9      | 58.05         | 100     | 0         | P         | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             | 10360     | 42.81      | -25.39     | 68.2       | 48.02      | 39.54          | 15.26     | 60.01         | 100     | 0         | P         | V       |
|                                     |                                                                                             | 15540     | 40.94      | -33.06     | 74         | 41.79      | 38.3           | 18.9      | 58.05         | 100     | 0         | P         | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440     | 43.63      | -24.57     | 68.2       | 48.77      | 39.7           | 15.31     | 60.15         | 100     | 0         | P         | H       |
|                                     |                                                                                             | 15660     | 41.68      | -32.32     | 74         | 42.91      | 37.7           | 18.95     | 57.88         | 100     | 0         | P         | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             | 10440     | 42.76      | -25.44     | 68.2       | 47.9       | 39.7           | 15.31     | 60.15         | 100     | 0         | P         | V       |
|                                     |                                                                                             | 15660     | 41.74      | -32.26     | 74         | 42.97      | 37.7           | 18.95     | 57.88         | 100     | 0         | P         | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480     | 43.26      | -24.94     | 68.2       | 48.49      | 39.7           | 15.33     | 60.26         | 100     | 0         | P         | H       |
|                                     |                                                                                             | 15720     | 40.73      | -33.27     | 74         | 42.02      | 37.52          | 18.98     | 57.79         | 100     | 0         | P         | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             | 10480     | 43.25      | -24.95     | 68.2       | 48.48      | 39.7           | 15.33     | 60.26         | 100     | 0         | P         | V       |
|                                     |                                                                                             | 15720     | 41.56      | -32.44     | 74         | 42.85      | 37.52          | 18.98     | 57.79         | 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 802.11n HT40 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                 | 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 ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 5138.32              | 50.68               | -23.32                  | 74                          | 42.25                     | 31.88                         | 9.67                   | 33.12                      | 133                  | 335                     | P                       | H               |
|                                     |                                                                                             | 5149.5               | 41.72               | -12.28                  | 54                          | 33.26                     | 31.9                          | 9.68                   | 33.12                      | 133                  | 335                     | A                       | H               |
|                                     | *                                                                                           | 5190                 | 96.79               | -                       | -                           | 88.51                     | 31.66                         | 9.74                   | 33.12                      | 133                  | 335                     | P                       | H               |
|                                     | *                                                                                           | 5190                 | 87.63               | -                       | -                           | 79.35                     | 31.66                         | 9.74                   | 33.12                      | 133                  | 335                     | A                       | H               |
|                                     |                                                                                             | 5413.52              | 50.39               | -23.61                  | 74                          | 42.02                     | 31.63                         | 9.85                   | 33.11                      | 133                  | 335                     | P                       | H               |
|                                     |                                                                                             | 5412.4               | 43.06               | -10.94                  | 54                          | 34.7                      | 31.62                         | 9.85                   | 33.11                      | 133                  | 335                     | A                       | H               |
|                                     |                                                                                             | 5144.3               | 57.31               | -16.69                  | 74                          | 48.86                     | 31.89                         | 9.68                   | 33.12                      | 204                  | 333                     | P                       | V               |
|                                     |                                                                                             | 5150                 | 43.63               | -10.37                  | 54                          | 35.16                     | 31.9                          | 9.69                   | 33.12                      | 204                  | 333                     | A                       | V               |
|                                     | *                                                                                           | 5190                 | 99.49               | -                       | -                           | 91.21                     | 31.66                         | 9.74                   | 33.12                      | 204                  | 333                     | P                       | V               |
|                                     | *                                                                                           | 5190                 | 89.99               | -                       | -                           | 81.71                     | 31.66                         | 9.74                   | 33.12                      | 204                  | 333                     | A                       | V               |
|                                     |                                                                                             | 5413.24              | 48.34               | -25.66                  | 74                          | 39.97                     | 31.63                         | 9.85                   | 33.11                      | 204                  | 333                     | P                       | V               |
|                                     |                                                                                             | 5412.96              | 41.14               | -12.86                  | 54                          | 32.77                     | 31.63                         | 9.85                   | 33.11                      | 204                  | 333                     | A                       | V               |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 5105.3               | 49.14               | -24.86                  | 74                          | 40.83                     | 31.81                         | 9.62                   | 33.12                      | 148                  | 328                     | P                       | H               |
|                                     |                                                                                             | 5126.88              | 41.38               | -12.62                  | 54                          | 33                        | 31.85                         | 9.65                   | 33.12                      | 148                  | 328                     | A                       | H               |
|                                     | *                                                                                           | 5230                 | 98.29               | -                       | -                           | 90.16                     | 31.48                         | 9.77                   | 33.12                      | 148                  | 328                     | P                       | H               |
|                                     | *                                                                                           | 5230                 | 88.34               | -                       | -                           | 80.21                     | 31.48                         | 9.77                   | 33.12                      | 148                  | 328                     | A                       | H               |
|                                     |                                                                                             | 5452.99              | 52                  | -22                     | 74                          | 43.51                     | 31.71                         | 9.89                   | 33.11                      | 148                  | 328                     | P                       | H               |
|                                     |                                                                                             | 5452.72              | 44.45               | -9.55                   | 54                          | 35.96                     | 31.71                         | 9.89                   | 33.11                      | 148                  | 328                     | A                       | H               |
|                                     |                                                                                             | 5043.68              | 49.58               | -24.42                  | 74                          | 41.6                      | 31.57                         | 9.53                   | 33.12                      | 209                  | 343                     | P                       | V               |
|                                     |                                                                                             | 5127.66              | 42.15               | -11.85                  | 54                          | 33.76                     | 31.86                         | 9.65                   | 33.12                      | 209                  | 343                     | A                       | V               |
|                                     | *                                                                                           | 5230                 | 98.4                | -                       | -                           | 90.27                     | 31.48                         | 9.77                   | 33.12                      | 209                  | 343                     | P                       | V               |
|                                     | *                                                                                           | 5230                 | 89.44               | -                       | -                           | 81.31                     | 31.48                         | 9.77                   | 33.12                      | 209                  | 343                     | A                       | V               |
|                                     |                                                                                             | 5398.18              | 48.65               | -25.35                  | 74                          | 40.33                     | 31.59                         | 9.84                   | 33.11                      | 209                  | 343                     | P                       | V               |
|                                     |                                                                                             | 5452.72              | 41.61               | -12.39                  | 54                          | 33.12                     | 31.71                         | 9.89                   | 33.11                      | 209                  | 343                     | 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 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant.                           | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|-------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 10380     | 44.07      | -24.13     | 68.2       | 49.22      | 39.62          | 15.27     | 60.04         | 100     | 0         | P         | H     |
|                                     |                                                                                             | 15570     | 41.62      | -32.38     | 74         | 42.56      | 38.15          | 18.91     | 58            | 100     | 0         | P         | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             | 10380     | 43.65      | -24.55     | 68.2       | 48.8       | 39.62          | 15.27     | 60.04         | 100     | 0         | P         | V     |
|                                     |                                                                                             | 15570     | 42.59      | -31.41     | 74         | 43.53      | 38.15          | 18.91     | 58            | 100     | 0         | P         | V     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460     | 43.76      | -24.44     | 68.2       | 48.93      | 39.7           | 15.32     | 60.19         | 100     | 0         | P         | H     |
|                                     |                                                                                             | 15690     | 41.49      | -32.51     | 74         | 42.8       | 37.55          | 18.97     | 57.83         | 100     | 0         | P         | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             | 10460     | 43.58      | -24.62     | 68.2       | 48.75      | 39.7           | 15.32     | 60.19         | 100     | 0         | P         | V     |
|                                     |                                                                                             | 15690     | 40.9       | -33.1      | 74         | 42.21      | 37.55          | 18.97     | 57.83         | 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 802.11ac VHT80 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                   | 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 ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 5134.64              | 50.67               | -23.33                  | 74                          | 42.26                     | 31.87                         | 9.66                   | 33.12                      | 125                  | 323                     | P                       | H               |
|                                       |                                                                                             | 5145.18              | 43.36               | -10.64                  | 54                          | 34.91                     | 31.89                         | 9.68                   | 33.12                      | 125                  | 323                     | A                       | H               |
|                                       | *                                                                                           | 5210                 | 95.84               | -                       | -                           | 87.64                     | 31.56                         | 9.76                   | 33.12                      | 125                  | 323                     | P                       | H               |
|                                       | *                                                                                           | 5210                 | 87.01               | -                       | -                           | 78.81                     | 31.56                         | 9.76                   | 33.12                      | 125                  | 323                     | A                       | H               |
|                                       |                                                                                             | 5374.46              | 48.27               | -25.73                  | 74                          | 40.1                      | 31.45                         | 9.83                   | 33.11                      | 125                  | 323                     | P                       | H               |
|                                       |                                                                                             | 5452.72              | 40.28               | -13.72                  | 54                          | 31.79                     | 31.71                         | 9.89                   | 33.11                      | 125                  | 323                     | A                       | H               |
|                                       |                                                                                             | 5147.22              | 51.49               | -22.51                  | 74                          | 43.04                     | 31.89                         | 9.68                   | 33.12                      | 210                  | 0                       | P                       | V               |
|                                       |                                                                                             | 5149.26              | 45.08               | -8.92                   | 54                          | 36.62                     | 31.9                          | 9.68                   | 33.12                      | 210                  | 0                       | A                       | V               |
|                                       | *                                                                                           | 5210                 | 96.33               | -                       | -                           | 88.13                     | 31.56                         | 9.76                   | 33.12                      | 210                  | 0                       | P                       | V               |
|                                       | *                                                                                           | 5210                 | 87.81               | -                       | -                           | 79.61                     | 31.56                         | 9.76                   | 33.12                      | 210                  | 0                       | A                       | V               |
|                                       |                                                                                             | 5401.76              | 48.23               | -25.77                  | 74                          | 39.9                      | 31.6                          | 9.84                   | 33.11                      | 210                  | 0                       | P                       | V               |
|                                       |                                                                                             | 5445.96              | 39.87               | -14.13                  | 54                          | 31.41                     | 31.69                         | 9.88                   | 33.11                      | 210                  | 0                       | 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 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 10420     | 42.95      | -25.25     | 68.2       | 48.07      | 39.7           | 15.3      | 60.12         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15630     | 41.9       | -32.1      | 74         | 43.02      | 37.85          | 18.94     | 57.91         | 100     | 0         | P         | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             | 10420     | 43.53      | -24.67     | 68.2       | 48.65      | 39.7           | 15.3      | 60.12         | 100     | 0         | P         | V       |
|                                       |                                                                                             | 15630     | 41.92      | -32.08     | 74         | 43.04      | 37.85          | 18.94     | 57.91         | 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 2 - 5250~5350MHz

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

| WIFI Ant.                   | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                         |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5143.82   | 48.81      | -25.19     | 74         | 40.36      | 31.89          | 9.68      | 33.12         | 166     | 317       | P         | H       |
|                             |      | 5098.94   | 40.76      | -13.24     | 54         | 32.47      | 31.8           | 9.61      | 33.12         | 166     | 317       | A         | H       |
|                             | *    | 5260      | 103.12     | -          | -          | 95.07      | 31.38          | 9.78      | 33.11         | 166     | 317       | P         | H       |
|                             | *    | 5260      | 93.73      | -          | -          | 85.68      | 31.38          | 9.78      | 33.11         | 166     | 317       | P         | H       |
|                             |      | 5374.32   | 48.57      | -25.43     | 74         | 40.4       | 31.45          | 9.83      | 33.11         | 166     | 317       | P         | H       |
|                             |      | 5372.4    | 39.77      | -14.23     | 54         | 31.62      | 31.43          | 9.83      | 33.11         | 166     | 317       | A         | H       |
|                             |      | 5033.66   | 48.46      | -25.54     | 74         | 40.54      | 31.53          | 9.51      | 33.12         | 218     | 335       | P         | V       |
|                             |      | 5127.5    | 40.71      | -13.29     | 54         | 32.33      | 31.85          | 9.65      | 33.12         | 218     | 335       | A         | V       |
|                             | *    | 5260      | 101.99     | -          | -          | 93.94      | 31.38          | 9.78      | 33.11         | 218     | 335       | P         | V       |
|                             | *    | 5260      | 93.28      | -          | -          | 85.23      | 31.38          | 9.78      | 33.11         | 218     | 335       | A         | V       |
|                             |      | 5378.16   | 47.75      | -26.25     | 74         | 39.56      | 31.47          | 9.83      | 33.11         | 218     | 335       | P         | V       |
|                             |      | 5457.36   | 39.45      | -14.55     | 54         | 30.94      | 31.73          | 9.89      | 33.11         | 218     | 335       | A         | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5087.04   | 49.72      | -24.28     | 74         | 41.5       | 31.75          | 9.59      | 33.12         | 196     | 358       | P         | H       |
|                             |      | 5102      | 40.69      | -13.31     | 54         | 32.4       | 31.8           | 9.61      | 33.12         | 196     | 358       | A         | H       |
|                             | *    | 5300      | 102.15     | -          | -          | 94.16      | 31.3           | 9.8       | 33.11         | 196     | 358       | P         | H       |
|                             | *    | 5300      | 93.35      | -          | -          | 85.36      | 31.3           | 9.8       | 33.11         | 196     | 358       | P         | H       |
|                             |      | 5354.64   | 49.54      | -24.46     | 74         | 41.5       | 31.33          | 9.82      | 33.11         | 196     | 358       | P         | H       |
|                             |      | 5351.52   | 40.3       | -13.7      | 54         | 32.28      | 31.31          | 9.82      | 33.11         | 196     | 358       | A         | H       |
|                             |      | 5066.98   | 49.3       | -24.7      | 74         | 41.19      | 31.67          | 9.56      | 33.12         | 202     | 342       | P         | V       |
|                             |      | 5099.96   | 40.77      | -13.23     | 54         | 32.48      | 31.8           | 9.61      | 33.12         | 202     | 342       | A         | V       |
|                             | *    | 5300      | 101.42     | -          | -          | 93.43      | 31.3           | 9.8       | 33.11         | 202     | 342       | P         | V       |
|                             | *    | 5300      | 93.02      | -          | -          | 85.03      | 31.3           | 9.8       | 33.11         | 202     | 342       | P         | V       |
|                             |      | 5358.72   | 51.79      | -22.21     | 74         | 43.73      | 31.35          | 9.82      | 33.11         | 202     | 342       | P         | V       |
|                             |      | 5352.72   | 39.87      | -14.13     | 54         | 31.84      | 31.32          | 9.82      | 33.11         | 202     | 342       | A         | V       |



|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 64<br/>5320MHz</b> | *                                                                                           | 5320    | 103.69 | -      | -  | 95.69 | 31.3  | 9.81 | 33.11 | 151 | 320 | P | H |
|                                      | *                                                                                           | 5320    | 95.19  | -      | -  | 87.19 | 31.3  | 9.81 | 33.11 | 151 | 320 | A | H |
|                                      |                                                                                             | 5354.24 | 52.94  | -21.06 | 74 | 44.9  | 31.33 | 9.82 | 33.11 | 151 | 320 | P | H |
|                                      |                                                                                             | 5432.16 | 40.46  | -13.54 | 54 | 32.04 | 31.66 | 9.87 | 33.11 | 151 | 320 | A | H |
|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                      | *                                                                                           | 5320    | 101.79 | -      | -  | 93.79 | 31.3  | 9.81 | 33.11 | 187 | 360 | P | V |
|                                      | *                                                                                           | 5320    | 93.19  | -      | -  | 85.19 | 31.3  | 9.81 | 33.11 | 187 | 360 | A | V |
|                                      |                                                                                             | 5375.2  | 49.81  | -24.19 | 74 | 41.64 | 31.45 | 9.83 | 33.11 | 187 | 360 | P | V |
|                                      |                                                                                             | 5358.08 | 39.5   | -14.5  | 54 | 31.44 | 31.35 | 9.82 | 33.11 | 187 | 360 | A | V |
|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | V |
|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | V |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |



## Band 2 5250~5350MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant.                   | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                         |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520     | 43.27      | -24.93     | 68.2       | 48.56      | 39.7           | 15.35     | 60.34         | 100     | 0         | P         | H       |
|                             |                                                                                             | 15780     | 42.04      | -31.96     | 74         | 43.17      | 37.58          | 19        | 57.71         | 100     | 0         | P         | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             | 10520     | 42.89      | -25.31     | 68.2       | 48.18      | 39.7           | 15.35     | 60.34         | 100     | 0         | P         | V       |
|                             |                                                                                             | 15780     | 41.05      | -32.95     | 74         | 42.18      | 37.58          | 19        | 57.71         | 100     | 0         | P         | V       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600     | 41.73      | -32.27     | 74         | 47.18      | 39.7           | 15.4      | 60.55         | 100     | 0         | P         | H       |
|                             |                                                                                             | 15900     | 40.24      | -33.76     | 74         | 41.53      | 37.2           | 19.05     | 57.54         | 100     | 0         | P         | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             | 10600     | 42.1       | -31.9      | 74         | 47.55      | 39.7           | 15.4      | 60.55         | 100     | 0         | P         | V       |
|                             |                                                                                             | 15900     | 42.09      | -31.91     | 74         | 43.38      | 37.2           | 19.05     | 57.54         | 100     | 0         | P         | V       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640     | 41.88      | -32.12     | 74         | 47.43      | 39.66          | 15.42     | 60.63         | 100     | 0         | P         | H       |
|                             |                                                                                             | 15960     | 40.23      | -33.77     | 74         | 41.58      | 37.02          | 19.08     | 57.45         | 100     | 0         | P         | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             | 10640     | 42.07      | -31.93     | 74         | 47.62      | 39.66          | 15.42     | 60.63         | 100     | 0         | P         | V       |
|                             |                                                                                             | 15960     | 41.27      | -32.73     | 74         | 42.62      | 37.02          | 19.08     | 57.45         | 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 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1+2                 | 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 ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 52<br>5260MHz |      | 5090.1               | 49.64               | -24.36                  | 74                          | 41.4                      | 31.76                         | 9.6                    | 33.12                      | 114                  | 337                     | P                       | H               |
|                                     |      | 5093.84              | 39.81               | -14.19                  | 54                          | 31.55                     | 31.78                         | 9.6                    | 33.12                      | 114                  | 337                     | A                       | H               |
|                                     | *    | 5260                 | 100.33              | -                       | -                           | 92.28                     | 31.38                         | 9.78                   | 33.11                      | 114                  | 337                     | P                       | H               |
|                                     | *    | 5260                 | 91.05               | -                       | -                           | 83                        | 31.38                         | 9.78                   | 33.11                      | 114                  | 337                     | A                       | H               |
|                                     |      | 5459.28              | 48.44               | -25.56                  | 74                          | 39.92                     | 31.74                         | 9.89                   | 33.11                      | 114                  | 337                     | P                       | H               |
|                                     |      | 5371.68              | 39.22               | -14.78                  | 54                          | 31.07                     | 31.43                         | 9.83                   | 33.11                      | 114                  | 337                     | A                       | H               |
|                                     |      | 5024.48              | 49.79               | -24.21                  | 74                          | 41.91                     | 31.5                          | 9.5                    | 33.12                      | 209                  | 335                     | P                       | V               |
|                                     |      | 5093.16              | 39.83               | -14.17                  | 54                          | 31.58                     | 31.77                         | 9.6                    | 33.12                      | 209                  | 335                     | A                       | V               |
|                                     | *    | 5260                 | 100.74              | -                       | -                           | 92.69                     | 31.38                         | 9.78                   | 33.11                      | 209                  | 335                     | P                       | V               |
|                                     | *    | 5260                 | 92.16               | -                       | -                           | 84.11                     | 31.38                         | 9.78                   | 33.11                      | 209                  | 335                     | A                       | V               |
|                                     |      | 5369.52              | 48.3                | -25.7                   | 74                          | 40.16                     | 31.42                         | 9.83                   | 33.11                      | 209                  | 335                     | P                       | V               |
|                                     |      | 5452.8               | 38.82               | -15.18                  | 54                          | 30.33                     | 31.71                         | 9.89                   | 33.11                      | 209                  | 335                     | A                       | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |      | 5060.52              | 48.95               | -25.05                  | 74                          | 40.88                     | 31.64                         | 9.55                   | 33.12                      | 149                  | 318                     | P                       | H               |
|                                     |      | 5092.14              | 39.8                | -14.2                   | 54                          | 31.55                     | 31.77                         | 9.6                    | 33.12                      | 149                  | 318                     | A                       | H               |
|                                     | *    | 5300                 | 101.44              | -                       | -                           | 93.45                     | 31.3                          | 9.8                    | 33.11                      | 149                  | 318                     | P                       | H               |
|                                     | *    | 5300                 | 91.88               | -                       | -                           | 83.89                     | 31.3                          | 9.8                    | 33.11                      | 149                  | 318                     | A                       | H               |
|                                     |      | 5363.28              | 54.24               | -19.76                  | 74                          | 46.14                     | 31.38                         | 9.83                   | 33.11                      | 149                  | 318                     | P                       | H               |
|                                     |      | 5350.32              | 39.65               | -14.35                  | 54                          | 31.64                     | 31.3                          | 9.82                   | 33.11                      | 149                  | 318                     | A                       | H               |
|                                     |      | 5045.9               | 49.21               | -24.79                  | 74                          | 41.22                     | 31.58                         | 9.53                   | 33.12                      | 191                  | 343                     | P                       | V               |
|                                     |      | 5099.62              | 39.82               | -14.18                  | 54                          | 31.53                     | 31.8                          | 9.61                   | 33.12                      | 191                  | 343                     | A                       | V               |
|                                     | *    | 5300                 | 100.79              | -                       | -                           | 92.8                      | 31.3                          | 9.8                    | 33.11                      | 191                  | 343                     | P                       | V               |
|                                     | *    | 5300                 | 91.59               | -                       | -                           | 83.6                      | 31.3                          | 9.8                    | 33.11                      | 191                  | 343                     | A                       | V               |
|                                     |      | 5365.44              | 48.72               | -25.28                  | 74                          | 40.61                     | 31.39                         | 9.83                   | 33.11                      | 191                  | 343                     | P                       | V               |
|                                     |      | 5350.08              | 38.85               | -15.15                  | 54                          | 30.84                     | 31.3                          | 9.82                   | 33.11                      | 191                  | 343                     | A                       | V               |



|                                               |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 64<br/>5320MHz</b> | *                                                                                           | 5320    | 101.11 | -      | -  | 93.11 | 31.3  | 9.81 | 33.11 | 153 | 312 | P | H |
|                                               | *                                                                                           | 5320    | 91.79  | -      | -  | 83.79 | 31.3  | 9.81 | 33.11 | 153 | 312 | A | H |
|                                               |                                                                                             | 5367.68 | 56.36  | -17.64 | 74 | 48.23 | 31.41 | 9.83 | 33.11 | 153 | 312 | P | H |
|                                               |                                                                                             | 5356.64 | 39.77  | -14.23 | 54 | 31.72 | 31.34 | 9.82 | 33.11 | 153 | 312 | A | H |
|                                               |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                               |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                               | *                                                                                           | 5320    | 100.19 | -      | -  | 92.19 | 31.3  | 9.81 | 33.11 | 187 | 349 | P | V |
|                                               | *                                                                                           | 5320    | 91.39  | -      | -  | 83.39 | 31.3  | 9.81 | 33.11 | 187 | 349 | A | V |
|                                               |                                                                                             | 5395.04 | 49.22  | -24.78 | 74 | 40.92 | 31.57 | 9.84 | 33.11 | 187 | 349 | P | V |
|                                               |                                                                                             | 5351.68 | 39.11  | -14.89 | 54 | 31.09 | 31.31 | 9.82 | 33.11 | 187 | 349 | A | V |
|                                               |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | V |
|                                               |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | V |
| <b>Remark</b>                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |



## Band 2 5250~5350MHz

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

| WIFI Ant.                           | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11n<br>HT20<br>CH 52<br>5260MHz |                                                                                             | 10520     | 42.95      | -25.25     | 68.2       | 48.24      | 39.7           | 15.35     | 60.34         | 100     | 0         | P         | H       |
|                                     |                                                                                             | 15780     | 42.13      | -31.87     | 74         | 43.26      | 37.58          | 19        | 57.71         | 100     | 0         | P         | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             | 10520     | 42.94      | -25.26     | 68.2       | 48.23      | 39.7           | 15.35     | 60.34         | 100     | 0         | P         | V       |
|                                     |                                                                                             | 15780     | 41.07      | -32.93     | 74         | 42.2       | 37.58          | 19        | 57.71         | 100     | 0         | P         | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |                                                                                             | 10600     | 42.16      | -31.84     | 74         | 47.61      | 39.7           | 15.4      | 60.55         | 100     | 0         | P         | H       |
|                                     |                                                                                             | 15900     | 40.63      | -33.37     | 74         | 41.92      | 37.2           | 19.05     | 57.54         | 100     | 0         | P         | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             | 10600     | 43.62      | -30.38     | 74         | 49.07      | 39.7           | 15.4      | 60.55         | 100     | 0         | P         | V       |
|                                     |                                                                                             | 15900     | 40.74      | -33.26     | 74         | 42.03      | 37.2           | 19.05     | 57.54         | 100     | 0         | P         | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT20<br>CH 64<br>5320MHz |                                                                                             | 10640     | 41.77      | -32.23     | 74         | 47.32      | 39.66          | 15.42     | 60.63         | 100     | 0         | P         | H       |
|                                     |                                                                                             | 15960     | 40.61      | -33.39     | 74         | 41.96      | 37.02          | 19.08     | 57.45         | 100     | 0         | P         | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                     |                                                                                             | 10640     | 41.76      | -32.24     | 74         | 47.31      | 39.66          | 15.42     | 60.63         | 100     | 0         | P         | V       |
|                                     |                                                                                             | 15960     | 41.15      | -32.85     | 74         | 42.5       | 37.02          | 19.08     | 57.45         | 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 2 5250~5350MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                 | 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 ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 54<br>5270MHz |                                                                                             | 5112.2               | 49.36               | -24.64                  | 74                          | 41.03                     | 31.82                         | 9.63                   | 33.12                      | 125                  | 325                     | P                       | H               |
|                                     |                                                                                             | 5076.84              | 40.82               | -13.18                  | 54                          | 32.65                     | 31.71                         | 9.58                   | 33.12                      | 125                  | 325                     | A                       | H               |
|                                     | *                                                                                           | 5270                 | 98.62               | -                       | -                           | 90.58                     | 31.36                         | 9.79                   | 33.11                      | 125                  | 325                     | P                       | H               |
|                                     | *                                                                                           | 5270                 | 89.5                | -                       | -                           | 81.46                     | 31.36                         | 9.79                   | 33.11                      | 125                  | 325                     | A                       | H               |
|                                     |                                                                                             | 5372.88              | 53.05               | -20.95                  | 74                          | 44.89                     | 31.44                         | 9.83                   | 33.11                      | 125                  | 325                     | P                       | H               |
|                                     |                                                                                             | 5373.12              | 46.75               | -7.25                   | 54                          | 38.59                     | 31.44                         | 9.83                   | 33.11                      | 125                  | 325                     | A                       | H               |
|                                     |                                                                                             | 5090.78              | 49.24               | -24.76                  | 74                          | 41                        | 31.76                         | 9.6                    | 33.12                      | 193                  | 342                     | P                       | V               |
|                                     |                                                                                             | 5136.34              | 40.73               | -13.27                  | 54                          | 32.32                     | 31.87                         | 9.66                   | 33.12                      | 193                  | 342                     | A                       | V               |
|                                     | *                                                                                           | 5270                 | 98.48               | -                       | -                           | 90.44                     | 31.36                         | 9.79                   | 33.11                      | 193                  | 342                     | P                       | V               |
|                                     | *                                                                                           | 5270                 | 89.99               | -                       | -                           | 81.95                     | 31.36                         | 9.79                   | 33.11                      | 193                  | 342                     | A                       | V               |
|                                     |                                                                                             | 5373.84              | 51.22               | -22.78                  | 74                          | 43.06                     | 31.44                         | 9.83                   | 33.11                      | 193                  | 342                     | P                       | V               |
|                                     |                                                                                             | 5373.36              | 44.25               | -9.75                   | 54                          | 36.09                     | 31.44                         | 9.83                   | 33.11                      | 193                  | 342                     | A                       | V               |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 5149.26              | 50.05               | -23.95                  | 74                          | 41.59                     | 31.9                          | 9.68                   | 33.12                      | 121                  | 320                     | P                       | H               |
|                                     |                                                                                             | 5053.72              | 41.42               | -12.58                  | 54                          | 33.39                     | 31.61                         | 9.54                   | 33.12                      | 121                  | 320                     | A                       | H               |
|                                     | *                                                                                           | 5310                 | 99.39               | -                       | -                           | 91.4                      | 31.3                          | 9.8                    | 33.11                      | 121                  | 320                     | P                       | H               |
|                                     | *                                                                                           | 5310                 | 90.22               | -                       | -                           | 82.23                     | 31.3                          | 9.8                    | 33.11                      | 121                  | 320                     | A                       | H               |
|                                     |                                                                                             | 5353.44              | 61.03               | -12.97                  | 74                          | 53                        | 31.32                         | 9.82                   | 33.11                      | 121                  | 320                     | P                       | H               |
|                                     |                                                                                             | 5350.32              | 49.03               | -4.97                   | 54                          | 41.02                     | 31.3                          | 9.82                   | 33.11                      | 121                  | 320                     | A                       | H               |
|                                     |                                                                                             | 5059.5               | 49.41               | -24.59                  | 74                          | 41.34                     | 31.64                         | 9.55                   | 33.12                      | 184                  | 333                     | P                       | V               |
|                                     |                                                                                             | 5075.48              | 41.42               | -12.58                  | 54                          | 33.27                     | 31.7                          | 9.57                   | 33.12                      | 184                  | 333                     | A                       | V               |
|                                     | *                                                                                           | 5310                 | 97.6                | -                       | -                           | 89.61                     | 31.3                          | 9.8                    | 33.11                      | 184                  | 333                     | P                       | V               |
|                                     | *                                                                                           | 5310                 | 88.63               | -                       | -                           | 80.64                     | 31.3                          | 9.8                    | 33.11                      | 184                  | 333                     | A                       | V               |
|                                     |                                                                                             | 5366.88              | 57.57               | -16.43                  | 74                          | 49.45                     | 31.4                          | 9.83                   | 33.11                      | 184                  | 333                     | P                       | V               |
|                                     |                                                                                             | 5350.32              | 44.14               | -9.86                   | 54                          | 36.13                     | 31.3                          | 9.82                   | 33.11                      | 184                  | 333                     | A                       | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant.                           | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|-------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11n<br>HT40<br>CH 54<br>5270MHz |                                                                                             | 10540     | 42.44      | -25.76     | 68.2       | 47.75      | 39.7           | 15.37     | 60.38         | 100     | 0         | P         | H     |
|                                     |                                                                                             | 15810     | 41.58      | -32.42     | 74         | 42.68      | 37.56          | 19.01     | 57.67         | 100     | 0         | P         | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             | 10540     | 42         | -26.2      | 68.2       | 47.31      | 39.7           | 15.37     | 60.38         | 100     | 0         | P         | V     |
|                                     |                                                                                             | 15810     | 41.31      | -32.69     | 74         | 42.41      | 37.56          | 19.01     | 57.67         | 100     | 0         | P         | V     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 10620     | 41.7       | -32.3      | 74         | 47.2       | 39.68          | 15.41     | 60.59         | 100     | 0         | P         | H     |
|                                     |                                                                                             | 15930     | 41.43      | -32.57     | 74         | 42.76      | 37.11          | 19.06     | 57.5          | 100     | 0         | P         | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                     |                                                                                             | 10620     | 41.68      | -32.32     | 74         | 47.18      | 39.68          | 15.41     | 60.59         | 100     | 0         | P         | V     |
|                                     |                                                                                             | 15930     | 40.68      | -33.32     | 74         | 42.01      | 37.11          | 19.06     | 57.5          | 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 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1+2                   | 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 ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5111                 | 50.83               | -23.17                  | 74                          | 42.5                      | 31.82                         | 9.63                   | 33.12                      | 114                  | 326                     | P                       | H               |
|                                       |                                                                                             | 5123.6               | 41.74               | -12.26                  | 54                          | 33.36                     | 31.85                         | 9.65                   | 33.12                      | 114                  | 326                     | A                       | H               |
|                                       | *                                                                                           | 5290                 | 97.63               | -                       | -                           | 89.62                     | 31.32                         | 9.8                    | 33.11                      | 114                  | 326                     | P                       | H               |
|                                       | *                                                                                           | 5290                 | 88.21               | -                       | -                           | 80.2                      | 31.32                         | 9.8                    | 33.11                      | 114                  | 326                     | A                       | H               |
|                                       |                                                                                             | 5374.08              | 58.3                | -15.7                   | 74                          | 50.14                     | 31.44                         | 9.83                   | 33.11                      | 114                  | 326                     | P                       | H               |
|                                       |                                                                                             | 5368.8               | 45.94               | -8.06                   | 54                          | 37.81                     | 31.41                         | 9.83                   | 33.11                      | 114                  | 326                     | A                       | H               |
|                                       |                                                                                             | 5144.9               | 50.25               | -23.75                  | 74                          | 41.8                      | 31.89                         | 9.68                   | 33.12                      | 178                  | 337                     | P                       | V               |
|                                       |                                                                                             | 5103.5               | 41.52               | -12.48                  | 54                          | 33.21                     | 31.81                         | 9.62                   | 33.12                      | 178                  | 337                     | A                       | V               |
|                                       | *                                                                                           | 5290                 | 95                  | -                       | -                           | 86.99                     | 31.32                         | 9.8                    | 33.11                      | 178                  | 337                     | P                       | V               |
|                                       | *                                                                                           | 5290                 | 85.9                | -                       | -                           | 77.89                     | 31.32                         | 9.8                    | 33.11                      | 178                  | 337                     | A                       | V               |
|                                       |                                                                                             | 5356.32              | 53.79               | -20.21                  | 74                          | 45.74                     | 31.34                         | 9.82                   | 33.11                      | 178                  | 337                     | P                       | V               |
|                                       |                                                                                             | 5354.64              | 43.27               | -10.73                  | 54                          | 35.23                     | 31.33                         | 9.82                   | 33.11                      | 178                  | 337                     | A                       | V               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**Band 2 5250~5350MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 10580     | 42.7       | -25.5      | 68.2       | 48.12      | 39.7           | 15.39     | 60.51         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15870     | 41.03      | -32.97     | 74         | 42.24      | 37.32          | 19.04     | 57.57         | 100     | 0         | P         | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             | 10580     | 42.2       | -26        | 68.2       | 47.62      | 39.7           | 15.39     | 60.51         | 100     | 0         | P         | V       |
|                                       |                                                                                             | 15870     | 41.07      | -32.93     | 74         | 42.28      | 37.32          | 19.04     | 57.57         | 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 3 - 5470~5725MHz

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

| WIFI Ant.                    | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                          |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 100<br>5500MHz |      | 5455.12   | 50.65      | -23.35     | 74         | 42.15      | 31.72          | 9.89      | 33.11         | 157     | 0         | P         | H       |
|                              |      | 5465.52   | 55.04      | -13.16     | 68.2       | 46.49      | 31.76          | 9.9       | 33.11         | 157     | 0         | P         | H       |
|                              |      | 5458.8    | 42.06      | -11.94     | 54         | 33.54      | 31.74          | 9.89      | 33.11         | 157     | 0         | A         | H       |
|                              | *    | 5500      | 108.21     | -          | -          | 99.49      | 31.9           | 9.93      | 33.11         | 157     | 0         | P         | H       |
|                              | *    | 5500      | 98.57      | -          | -          | 89.85      | 31.9           | 9.93      | 33.11         | 157     | 0         | A         | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      | 5452.4    | 51.98      | -22.02     | 74         | 43.49      | 31.71          | 9.89      | 33.11         | 300     | 0         | P         | V       |
|                              |      | 5463.6    | 52.16      | -16.04     | 68.2       | 43.62      | 31.75          | 9.9       | 33.11         | 300     | 0         | P         | V       |
|                              |      | 5458.16   | 40.17      | -13.83     | 54         | 31.66      | 31.73          | 9.89      | 33.11         | 300     | 0         | A         | V       |
|                              | *    | 5500      | 102.06     | -          | -          | 93.34      | 31.9           | 9.93      | 33.11         | 300     | 0         | P         | V       |
|                              | *    | 5500      | 93.49      | -          | -          | 84.77      | 31.9           | 9.93      | 33.11         | 300     | 0         | A         | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5422.72   | 48.56      | -25.44     | 74         | 40.16      | 31.65          | 9.86      | 33.11         | 114     | 6         | P         | H       |
|                              |      | 5467.6    | 48.21      | -19.99     | 68.2       | 39.65      | 31.77          | 9.9       | 33.11         | 114     | 6         | P         | H       |
|                              |      | 5452.48   | 39.78      | -14.22     | 54         | 31.29      | 31.71          | 9.89      | 33.11         | 114     | 6         | A         | H       |
|                              | *    | 5580      | 108.24     | -          | -          | 99.58      | 31.8           | 10        | 33.14         | 114     | 6         | P         | H       |
|                              | *    | 5580      | 98.54      | -          | -          | 89.88      | 31.8           | 10        | 33.14         | 114     | 6         | P         | H       |
|                              |      | 5736.02   | 50.25      | -17.95     | 68.2       | 41.16      | 32.07          | 10.21     | 33.19         | 114     | 6         | P         | H       |
|                              |      | 5431.6    | 48.29      | -25.71     | 74         | 39.87      | 31.66          | 9.87      | 33.11         | 212     | 352       | P         | V       |
|                              |      | 5460.88   | 47.63      | -20.57     | 68.2       | 39.11      | 31.74          | 9.89      | 33.11         | 212     | 352       | P         | V       |
|                              |      | 5453.44   | 39.47      | -14.53     | 54         | 30.98      | 31.71          | 9.89      | 33.11         | 212     | 352       | A         | V       |
|                              | *    | 5580      | 102.58     | -          | -          | 93.92      | 31.8           | 10        | 33.14         | 212     | 352       | P         | V       |
|                              | *    | 5580      | 93.24      | -          | -          | 84.58      | 31.8           | 10        | 33.14         | 212     | 352       | P         | V       |
|                              |      | 5736.965  | 50.47      | -17.73     | 68.2       | 41.38      | 32.07          | 10.21     | 33.19         | 212     | 352       | P         | V       |



|                                       |                                                                                             |         |        |        |      |       |       |       |       |     |     |   |   |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 107.79 | -      | -    | 98.8  | 32    | 10.16 | 33.17 | 100 | 4   | P | H |
|                                       | *                                                                                           | 5700    | 98.48  | -      | -    | 89.49 | 32    | 10.16 | 33.17 | 100 | 4   | A | H |
|                                       |                                                                                             | 5734.76 | 62.12  | -6.08  | 68.2 | 53.03 | 32.07 | 10.21 | 33.19 | 100 | 4   | P | H |
|                                       |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | H |
|                                       | *                                                                                           | 5700    | 101.4  | -      | -    | 92.41 | 32    | 10.16 | 33.17 | 242 | 311 | P | V |
|                                       | *                                                                                           | 5700    | 93.05  | -      | -    | 84.06 | 32    | 10.16 | 33.17 | 242 | 311 | A | V |
|                                       |                                                                                             | 5725.8  | 56.21  | -11.99 | 68.2 | 47.14 | 32.05 | 10.2  | 33.18 | 242 | 311 | P | V |
|                                       |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | V |
|                                       |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | V |
|                                       |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | V |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |      |       |       |       |       |     |     |   |   |



## Band 3 - 5470~5725MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant.                    | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000     | 42.36      | -31.64     | 74         | 48.24      | 40             | 15.62     | 61.5          | 100     | 0         | P         | H       |
|                              |                                                                                             | 16500     | 42.15      | -26.05     | 68.2       | 41.2       | 38.7           | 19.55     | 57.3          | 100     | 0         | P         | H       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |                                                                                             | 11000     | 43.36      | -30.64     | 74         | 49.24      | 40             | 15.62     | 61.5          | 100     | 0         | P         | V       |
|                              |                                                                                             | 16500     | 41.33      | -26.87     | 68.2       | 40.38      | 38.7           | 19.55     | 57.3          | 100     | 0         | P         | V       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160     | 44.51      | -29.49     | 74         | 50.84      | 39.48          | 15.72     | 61.53         | 100     | 0         | P         | H       |
|                              |                                                                                             | 16740     | 42.45      | -25.75     | 68.2       | 39.94      | 39.56          | 19.77     | 56.82         | 100     | 0         | P         | H       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |                                                                                             | 11160     | 43.92      | -30.08     | 74         | 50.25      | 39.48          | 15.72     | 61.53         | 100     | 0         | P         | V       |
|                              |                                                                                             | 16740     | 42.4       | -25.8      | 68.2       | 39.89      | 39.56          | 19.77     | 56.82         | 100     | 0         | P         | V       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400     | 43.18      | -30.82     | 74         | 49.2       | 39.7           | 15.86     | 61.58         | 100     | 0         | P         | H       |
|                              |                                                                                             | 17100     | 44.25      | -23.95     | 68.2       | 40.13      | 40.1           | 20.1      | 56.08         | 100     | 0         | P         | H       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |                                                                                             | 11400     | 42.82      | -31.18     | 74         | 48.84      | 39.7           | 15.86     | 61.58         | 100     | 0         | P         | V       |
|                              |                                                                                             | 17100     | 43.46      | -24.74     | 68.2       | 39.34      | 40.1           | 20.1      | 56.08         | 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 3 - 5470~5725MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                            | 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 ) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 100<br/>5500MHz</b> |      | 5444.08              | 53.84               | -20.16                  | 74                          | 45.38                     | 31.69                         | 9.88                   | 33.11                      | 106                  | 6                       | P                       | H               |
|                                                |      | 5465.04              | 57.55               | -10.65                  | 68.2                        | 49                        | 31.76                         | 9.9                    | 33.11                      | 106                  | 6                       | P                       | H               |
|                                                |      | 5459.28              | 40.56               | -13.44                  | 54                          | 32.04                     | 31.74                         | 9.89                   | 33.11                      | 106                  | 6                       | A                       | H               |
|                                                | *    | 5500                 | 105.3               | -                       | -                           | 96.58                     | 31.9                          | 9.93                   | 33.11                      | 106                  | 6                       | P                       | H               |
|                                                | *    | 5500                 | 96.25               | -                       | -                           | 87.53                     | 31.9                          | 9.93                   | 33.11                      | 106                  | 6                       | A                       | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      | 5459.28              | 49.02               | -24.98                  | 74                          | 40.5                      | 31.74                         | 9.89                   | 33.11                      | 206                  | 358                     | P                       | V               |
|                                                |      | 5469.84              | 51.56               | -16.64                  | 68.2                        | 42.99                     | 31.78                         | 9.9                    | 33.11                      | 206                  | 358                     | P                       | V               |
|                                                |      | 5459.92              | 39.25               | -14.75                  | 54                          | 30.73                     | 31.74                         | 9.89                   | 33.11                      | 206                  | 358                     | A                       | V               |
|                                                | *    | 5500                 | 99.92               | -                       | -                           | 91.2                      | 31.9                          | 9.93                   | 33.11                      | 206                  | 358                     | P                       | V               |
|                                                | *    | 5500                 | 90.63               | -                       | -                           | 81.91                     | 31.9                          | 9.93                   | 33.11                      | 206                  | 358                     | A                       | V               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11n<br/>HT20<br/>CH 116<br/>5580MHz</b> |      | 5458.96              | 47.79               | -26.21                  | 74                          | 39.27                     | 31.74                         | 9.89                   | 33.11                      | 112                  | 3                       | P                       | H               |
|                                                |      | 5460.4               | 48.36               | -19.84                  | 68.2                        | 39.84                     | 31.74                         | 9.89                   | 33.11                      | 112                  | 3                       | P                       | H               |
|                                                |      | 5452.72              | 39.01               | -14.99                  | 54                          | 30.52                     | 31.71                         | 9.89                   | 33.11                      | 112                  | 3                       | A                       | H               |
|                                                | *    | 5580                 | 106.92              | -                       | -                           | 98.26                     | 31.8                          | 10                     | 33.14                      | 112                  | 3                       | P                       | H               |
|                                                | *    | 5580                 | 96.99               | -                       | -                           | 88.33                     | 31.8                          | 10                     | 33.14                      | 112                  | 3                       | A                       | H               |
|                                                |      | 5759.015             | 48.86               | -19.34                  | 68.2                        | 39.69                     | 32.12                         | 10.24                  | 33.19                      | 112                  | 3                       | P                       | H               |
|                                                |      | 5434                 | 47.62               | -26.38                  | 74                          | 39.19                     | 31.67                         | 9.87                   | 33.11                      | 215                  | 352                     | P                       | V               |
|                                                |      | 5468.8               | 48.13               | -20.07                  | 68.2                        | 39.56                     | 31.78                         | 9.9                    | 33.11                      | 215                  | 352                     | P                       | V               |
|                                                |      | 5452.96              | 38.68               | -15.32                  | 54                          | 30.19                     | 31.71                         | 9.89                   | 33.11                      | 215                  | 352                     | A                       | V               |
|                                                | *    | 5580                 | 100.96              | -                       | -                           | 92.3                      | 31.8                          | 10                     | 33.14                      | 215                  | 352                     | P                       | V               |
|                                                | *    | 5580                 | 90.67               | -                       | -                           | 82.01                     | 31.8                          | 10                     | 33.14                      | 215                  | 352                     | A                       | V               |
|                                                |      | 5753.345             | 48.45               | -19.75                  | 68.2                        | 39.3                      | 32.11                         | 10.23                  | 33.19                      | 215                  | 352                     | P                       | V               |



|                                                |                                                                                             |         |        |        |      |       |       |       |       |     |     |   |   |
|------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 105.36 | -      | -    | 96.37 | 32    | 10.16 | 33.17 | 103 | 357 | P | H |
|                                                | *                                                                                           | 5700    | 95.82  | -      | -    | 86.83 | 32    | 10.16 | 33.17 | 103 | 357 | A | H |
|                                                |                                                                                             | 5727    | 64.14  | -4.06  | 68.2 | 55.07 | 32.05 | 10.2  | 33.18 | 103 | 357 | P | H |
|                                                |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | H |
|                                                |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | H |
|                                                |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | H |
|                                                | *                                                                                           | 5700    | 98.41  | -      | -    | 89.42 | 32    | 10.16 | 33.17 | 209 | 349 | P | V |
|                                                | *                                                                                           | 5700    | 89.25  | -      | -    | 80.26 | 32    | 10.16 | 33.17 | 209 | 349 | A | V |
|                                                |                                                                                             | 5729.24 | 57.37  | -10.83 | 68.2 | 48.29 | 32.06 | 10.2  | 33.18 | 209 | 349 | P | V |
|                                                |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | V |
|                                                |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | V |
|                                                |                                                                                             |         |        |        |      |       |       |       |       |     |     |   | V |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |      |       |       |       |       |     |     |   |   |



## Band 3 - 5470~5725MHz

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

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11n<br>HT20<br>CH 100<br>5500MHz |                                                                                             | 11000     | 43.38      | -30.62     | 74         | 49.26      | 40             | 15.62     | 61.5          | 100     | 0         | P         | H       |
|                                      |                                                                                             | 16500     | 41.1       | -27.1      | 68.2       | 40.15      | 38.7           | 19.55     | 57.3          | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11000     | 42.83      | -31.17     | 74         | 48.71      | 40             | 15.62     | 61.5          | 100     | 0         | P         | V       |
|                                      |                                                                                             | 16500     | 42.15      | -26.05     | 68.2       | 41.2       | 38.7           | 19.55     | 57.3          | 100     | 0         | P         | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160     | 43.45      | -30.55     | 74         | 49.78      | 39.48          | 15.72     | 61.53         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 16740     | 41.79      | -26.41     | 68.2       | 39.28      | 39.56          | 19.77     | 56.82         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11160     | 42.91      | -31.09     | 74         | 49.24      | 39.48          | 15.72     | 61.53         | 100     | 0         | P         | V       |
|                                      |                                                                                             | 16740     | 43.2       | -25        | 68.2       | 40.69      | 39.56          | 19.77     | 56.82         | 100     | 0         | P         | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400     | 42.66      | -31.34     | 74         | 48.68      | 39.7           | 15.86     | 61.58         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 17100     | 42.39      | -25.81     | 68.2       | 38.27      | 40.1           | 20.1      | 56.08         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11400     | 43.5       | -30.5      | 74         | 49.52      | 39.7           | 15.86     | 61.58         | 100     | 0         | P         | V       |
|                                      |                                                                                             | 17100     | 43.07      | -25.13     | 68.2       | 38.95      | 40.1           | 20.1      | 56.08         | 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 3 - 5470~5725MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                            | 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 ) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 102<br/>5510MHz</b> |      | 5438.32              | 55.66               | -18.34                  | 74                          | 47.22                     | 31.68                         | 9.87                   | 33.11                      | 100                  | 359                     | P                       | H               |
|                                                |      | 5466.88              | 59.13               | -9.07                   | 68.2                        | 50.57                     | 31.77                         | 9.9                    | 33.11                      | 100                  | 359                     | P                       | H               |
|                                                |      | 5406.4               | 45.16               | -8.84                   | 54                          | 36.81                     | 31.61                         | 9.85                   | 33.11                      | 100                  | 359                     | A                       | H               |
|                                                | *    | 5510                 | 103.25              | -                       | -                           | 94.54                     | 31.88                         | 9.94                   | 33.11                      | 100                  | 359                     | P                       | H               |
|                                                | *    | 5510                 | 94.27               | -                       | -                           | 85.56                     | 31.88                         | 9.94                   | 33.11                      | 100                  | 359                     | A                       | H               |
|                                                |      | 5732.87              | 53.83               | -14.37                  | 68.2                        | 44.73                     | 32.07                         | 10.21                  | 33.18                      | 100                  | 359                     | P                       | H               |
|                                                |      | 5406.4               | 50.88               | -23.12                  | 74                          | 42.53                     | 31.61                         | 9.85                   | 33.11                      | 219                  | 352                     | P                       | V               |
|                                                |      | 5465.68              | 53.33               | -14.87                  | 68.2                        | 44.78                     | 31.76                         | 9.9                    | 33.11                      | 219                  | 352                     | P                       | V               |
|                                                |      | 5406.16              | 42.25               | -11.75                  | 54                          | 33.9                      | 31.61                         | 9.85                   | 33.11                      | 219                  | 352                     | A                       | V               |
|                                                | *    | 5510                 | 98.14               | -                       | -                           | 89.43                     | 31.88                         | 9.94                   | 33.11                      | 219                  | 352                     | P                       | V               |
|                                                | *    | 5510                 | 88.87               | -                       | -                           | 80.16                     | 31.88                         | 9.94                   | 33.11                      | 219                  | 352                     | A                       | V               |
|                                                |      | 5732.555             | 50.57               | -17.63                  | 68.2                        | 41.47                     | 32.07                         | 10.21                  | 33.18                      | 219                  | 352                     | P                       | V               |
| <b>802.11n<br/>HT40<br/>CH 110<br/>5550MHz</b> |      | 5443.84              | 53.63               | -20.37                  | 74                          | 45.17                     | 31.69                         | 9.88                   | 33.11                      | 130                  | 357                     | P                       | H               |
|                                                |      | 5469.28              | 52.65               | -15.55                  | 68.2                        | 44.08                     | 31.78                         | 9.9                    | 33.11                      | 130                  | 357                     | P                       | H               |
|                                                |      | 5446.24              | 45.36               | -8.64                   | 54                          | 36.9                      | 31.69                         | 9.88                   | 33.11                      | 130                  | 357                     | A                       | H               |
|                                                | *    | 5550                 | 103.52              | -                       | -                           | 94.87                     | 31.8                          | 9.98                   | 33.13                      | 130                  | 357                     | P                       | H               |
|                                                | *    | 5550                 | 94.67               | -                       | -                           | 86.02                     | 31.8                          | 9.98                   | 33.13                      | 130                  | 357                     | A                       | H               |
|                                                |      | 5736.965             | 50.88               | -17.32                  | 68.2                        | 41.79                     | 32.07                         | 10.21                  | 33.19                      | 130                  | 357                     | P                       | H               |
|                                                |      | 5446.24              | 52.04               | -21.96                  | 74                          | 43.58                     | 31.69                         | 9.88                   | 33.11                      | 159                  | 356                     | P                       | V               |
|                                                |      | 5469.28              | 51.12               | -17.08                  | 68.2                        | 42.55                     | 31.78                         | 9.9                    | 33.11                      | 159                  | 356                     | P                       | V               |
|                                                |      | 5447.44              | 42.75               | -11.25                  | 54                          | 34.29                     | 31.69                         | 9.88                   | 33.11                      | 159                  | 356                     | A                       | V               |
|                                                | *    | 5550                 | 98.74               | -                       | -                           | 90.09                     | 31.8                          | 9.98                   | 33.13                      | 159                  | 356                     | P                       | V               |
|                                                | *    | 5550                 | 88.93               | -                       | -                           | 80.28                     | 31.8                          | 9.98                   | 33.13                      | 159                  | 356                     | A                       | V               |
|                                                |      | 5746.73              | 50.73               | -17.47                  | 68.2                        | 41.6                      | 32.09                         | 10.23                  | 33.19                      | 159                  | 356                     | P                       | V               |



|                                                                  |                                                                                             |          |        |        |      |       |       |       |       |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5447.3   | 48.69  | -25.31 | 74   | 40.23 | 31.69 | 9.88  | 33.11 | 177 | 357 | P | H |
|                                                                  |                                                                                             | 5464.1   | 48.06  | -20.14 | 68.2 | 39.51 | 31.76 | 9.9   | 33.11 | 177 | 357 | P | H |
|                                                                  |                                                                                             | 5447.3   | 41     | -13    | 54   | 32.54 | 31.69 | 9.88  | 33.11 | 177 | 357 | A | H |
|                                                                  | *                                                                                           | 5670     | 103.16 | -      | -    | 94.38 | 31.82 | 10.12 | 33.16 | 177 | 357 | P | H |
|                                                                  | *                                                                                           | 5670     | 94.44  | -      | -    | 85.66 | 31.82 | 10.12 | 33.16 | 177 | 357 | P | H |
|                                                                  |                                                                                             | 5730.525 | 62.91  | -5.29  | 68.2 | 53.83 | 32.06 | 10.2  | 33.18 | 177 | 357 | P | H |
|                                                                  |                                                                                             | 5444.5   | 49.66  | -24.34 | 74   | 41.2  | 31.69 | 9.88  | 33.11 | 197 | 349 | P | V |
|                                                                  |                                                                                             | 5463.75  | 49.76  | -18.44 | 68.2 | 41.21 | 31.76 | 9.9   | 33.11 | 197 | 349 | P | V |
|                                                                  |                                                                                             | 5446.95  | 40.71  | -13.29 | 54   | 32.25 | 31.69 | 9.88  | 33.11 | 197 | 349 | A | V |
|                                                                  | *                                                                                           | 5670     | 97.09  | -      | -    | 88.31 | 31.82 | 10.12 | 33.16 | 197 | 349 | P | V |
|                                                                  | *                                                                                           | 5670     | 88.03  | -      | -    | 79.25 | 31.82 | 10.12 | 33.16 | 197 | 349 | A | V |
|                                                                  |                                                                                             | 5725     | 58.55  | -9.65  | 68.2 | 49.48 | 32.05 | 10.2  | 33.18 | 197 | 349 | P | V |
| <b>Remark</b>                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |      |       |       |       |       |     |     |   |   |



## Band 3 - 5470~5725MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11n<br>HT40<br>CH 102<br>5510MHz |                                                                                             | 11020     | 42.61      | -31.39     | 74         | 48.55      | 39.92          | 15.64     | 61.5          | 100     | 0         | P         | H       |
|                                      |                                                                                             | 16530     | 42.16      | -26.04     | 68.2       | 41.05      | 38.76          | 19.58     | 57.23         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11020     | 43.35      | -30.65     | 74         | 49.29      | 39.92          | 15.64     | 61.5          | 100     | 0         | P         | V       |
|                                      |                                                                                             | 16530     | 41.55      | -26.65     | 68.2       | 40.44      | 38.76          | 19.58     | 57.23         | 100     | 0         | P         | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |                                                                                             | 11100     | 42.9       | -31.1      | 74         | 49.14      | 39.6           | 15.68     | 61.52         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 16650     | 41.69      | -26.51     | 68.2       | 39.94      | 39.05          | 19.69     | 56.99         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11100     | 42.59      | -31.41     | 74         | 48.83      | 39.6           | 15.68     | 61.52         | 100     | 0         | P         | V       |
|                                      |                                                                                             | 16650     | 42.09      | -26.11     | 68.2       | 40.34      | 39.05          | 19.69     | 56.99         | 100     | 0         | P         | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11n<br>HT40<br>CH 134<br>5670MHz |                                                                                             | 11340     | 42.42      | -31.58     | 74         | 48.59      | 39.58          | 15.82     | 61.57         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 17010     | 43.47      | -24.73     | 68.2       | 39.71      | 40.01          | 20.01     | 56.26         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11340     | 42.37      | -31.63     | 74         | 48.54      | 39.58          | 15.82     | 61.57         | 100     | 0         | P         | V       |
|                                      |                                                                                             | 17010     | 42.97      | -25.23     | 68.2       | 39.21      | 40.01          | 20.01     | 56.26         | 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 3 - 5470~5725MHz

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

| WIFI<br>Ant.<br>1+2                    | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5458                 | 58.57               | -15.43                  | 74                          | 50.06                     | 31.73                         | 9.89                   | 33.11                      | 131                  | 358                     | P                       | H               |
|                                        |                                                                                             | 5470                 | 58.07               | -10.13                  | 68.2                        | 49.5                      | 31.78                         | 9.9                    | 33.11                      | 131                  | 358                     | P                       | H               |
|                                        |                                                                                             | 5459.2               | 47.65               | -6.35                   | 54                          | 39.13                     | 31.74                         | 9.89                   | 33.11                      | 131                  | 358                     | A                       | H               |
|                                        | *                                                                                           | 5530                 | 100.76              | -                       | -                           | 92.08                     | 31.84                         | 9.96                   | 33.12                      | 131                  | 358                     | P                       | H               |
|                                        | *                                                                                           | 5530                 | 92.27               | -                       | -                           | 83.59                     | 31.84                         | 9.96                   | 33.12                      | 131                  | 358                     | A                       | H               |
|                                        |                                                                                             | 5758.7               | 50.07               | -18.13                  | 68.2                        | 40.9                      | 32.12                         | 10.24                  | 33.19                      | 131                  | 358                     | P                       | H               |
|                                        |                                                                                             | 5453.44              | 54.71               | -19.29                  | 74                          | 46.22                     | 31.71                         | 9.89                   | 33.11                      | 231                  | 349                     | P                       | V               |
|                                        |                                                                                             | 5462.32              | 54.13               | -14.07                  | 68.2                        | 45.59                     | 31.75                         | 9.9                    | 33.11                      | 231                  | 349                     | P                       | V               |
|                                        |                                                                                             | 5458.96              | 43.8                | -10.2                   | 54                          | 35.28                     | 31.74                         | 9.89                   | 33.11                      | 231                  | 349                     | A                       | V               |
|                                        | *                                                                                           | 5530                 | 95.7                | -                       | -                           | 87.02                     | 31.84                         | 9.96                   | 33.12                      | 231                  | 349                     | P                       | V               |
|                                        | *                                                                                           | 5530                 | 86.36               | -                       | -                           | 77.68                     | 31.84                         | 9.96                   | 33.12                      | 231                  | 349                     | P                       | V               |
|                                        |                                                                                             | 5759.33              | 49.9                | -18.3                   | 68.2                        | 40.73                     | 32.12                         | 10.24                  | 33.19                      | 231                  | 349                     | P                       | V               |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5445.55              | 49.15               | -24.85                  | 74                          | 40.69                     | 31.69                         | 9.88                   | 33.11                      | 139                  | 3                       | P                       | H               |
|                                        |                                                                                             | 5461.65              | 49.41               | -18.79                  | 68.2                        | 40.87                     | 31.75                         | 9.9                    | 33.11                      | 139                  | 3                       | P                       | H               |
|                                        |                                                                                             | 5456.05              | 40.75               | -13.25                  | 54                          | 32.25                     | 31.72                         | 9.89                   | 33.11                      | 139                  | 3                       | A                       | H               |
|                                        | *                                                                                           | 5610                 | 101.26              | -                       | -                           | 92.6                      | 31.78                         | 10.03                  | 33.15                      | 139                  | 3                       | P                       | H               |
|                                        | *                                                                                           | 5610                 | 92.14               | -                       | -                           | 83.48                     | 31.78                         | 10.03                  | 33.15                      | 139                  | 3                       | A                       | H               |
|                                        |                                                                                             | 5734.375             | 52.5                | -15.7                   | 68.2                        | 43.41                     | 32.07                         | 10.21                  | 33.19                      | 139                  | 3                       | P                       | H               |
|                                        |                                                                                             | 5446.6               | 49.93               | -24.07                  | 74                          | 41.47                     | 31.69                         | 9.88                   | 33.11                      | 310                  | 351                     | P                       | V               |
|                                        |                                                                                             | 5463.05              | 49.28               | -18.92                  | 68.2                        | 40.74                     | 31.75                         | 9.9                    | 33.11                      | 310                  | 351                     | P                       | V               |
|                                        |                                                                                             | 5458.5               | 40.3                | -13.7                   | 54                          | 31.79                     | 31.73                         | 9.89                   | 33.11                      | 310                  | 351                     | A                       | V               |
|                                        | *                                                                                           | 5610                 | 95.1                | -                       | -                           | 86.44                     | 31.78                         | 10.03                  | 33.15                      | 310                  | 351                     | P                       | V               |
|                                        | *                                                                                           | 5610                 | 86.01               | -                       | -                           | 77.35                     | 31.78                         | 10.03                  | 33.15                      | 310                  | 351                     | A                       | V               |
|                                        |                                                                                             | 5734.55              | 50.01               | -18.19                  | 68.2                        | 40.92                     | 32.07                         | 10.21                  | 33.19                      | 310                  | 351                     | P                       | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 3 5470~5725MHz

## WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 42.83      | -31.17     | 74         | 48.92      | 39.76          | 15.66     | 61.51         | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16590     | 41.53      | -26.67     | 68.2       | 40.14      | 38.88          | 19.64     | 57.13         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 11060     | 42.97      | -31.03     | 74         | 49.06      | 39.76          | 15.66     | 61.51         | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16590     | 41.91      | -26.29     | 68.2       | 40.52      | 38.88          | 19.64     | 57.13         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 43.56      | -30.44     | 74         | 49.93      | 39.42          | 15.75     | 61.54         | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16830     | 43.65      | -24.55     | 68.2       | 40.4       | 40.04          | 19.85     | 56.64         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 11220     | 43.19      | -30.81     | 74         | 49.56      | 39.42          | 15.75     | 61.54         | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16830     | 43.32      | -24.88     | 68.2       | 40.07      | 40.04          | 19.85     | 56.64         | 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 3 - Straddle Channel**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI<br>Ant.                          | Note                                                                                        | Frequency | Level      | Over<br>Limit | Limit<br>Line | Read<br>Level | Antenna<br>Factor | Path<br>Loss | Preamp<br>Factor | Ant<br>Pos | Table<br>Pos | Peak<br>Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|---------------|---------------|---------------|-------------------|--------------|------------------|------------|--------------|--------------|---------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )        | ( dBμV/m )    | ( dBμV )      | ( dB/m )          | ( dB )       | ( dB )           | ( cm )     | ( deg )      | ( P/A )      | ( H/V ) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5453.35   | 48.63      | -25.37        | 74            | 40.14         | 31.71             | 9.89         | 33.11            | 100        | 3            | P            | H       |
|                                       |                                                                                             | 5467.78   | 48.1       | -20.1         | 68.2          | 39.54         | 31.77             | 9.9          | 33.11            | 100        | 3            | P            | H       |
|                                       |                                                                                             | 5459.98   | 39.8       | -14.2         | 54            | 31.28         | 31.74             | 9.89         | 33.11            | 100        | 3            | A            | H       |
|                                       | *                                                                                           | 5720      | 108.3      | -             | -             | 99.25         | 32.04             | 10.19        | 33.18            | 100        | 3            | P            | H       |
|                                       | *                                                                                           | 5720      | 98.72      | -             | -             | 89.67         | 32.04             | 10.19        | 33.18            | 100        | 3            | A            | H       |
|                                       |                                                                                             | 5940.5    | 50.98      | -17.22        | 68.2          | 41.2          | 32.58             | 10.45        | 33.25            | 100        | 3            | P            | H       |
|                                       |                                                                                             | 5449.06   | 48.99      | -25.01        | 74            | 40.52         | 31.7              | 9.88         | 33.11            | 263        | 313          | P            | V       |
|                                       |                                                                                             | 5469.73   | 47.17      | -21.03        | 68.2          | 38.6          | 31.78             | 9.9          | 33.11            | 263        | 313          | P            | V       |
|                                       |                                                                                             | 5458.81   | 39.56      | -14.44        | 54            | 31.04         | 31.74             | 9.89         | 33.11            | 263        | 313          | A            | V       |
|                                       | *                                                                                           | 5720      | 101.68     | -             | -             | 92.63         | 32.04             | 10.19        | 33.18            | 263        | 313          | P            | V       |
|                                       | *                                                                                           | 5720      | 93.23      | -             | -             | 84.18         | 32.04             | 10.19        | 33.18            | 263        | 313          | A            | V       |
|                                       |                                                                                             | 5943.25   | 50.38      | -17.82        | 68.2          | 40.58         | 32.59             | 10.46        | 33.25            | 263        | 313          | P            | V       |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |               |               |               |                   |              |                  |            |              |              |         |



**Band 3 - Straddle Channel**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI Ant. 1+2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 144<br>5720MHz |                                                                                             | 11440             | 43.49            | -30.51            | 74                    | 49.5              | 39.7                    | 15.88            | 61.59                | 100            | 0                 | P               | H          |
|                              |                                                                                             | 17160             | 42.75            | -25.45            | 68.2                  | 38.25             | 40.28                   | 20.15            | 55.93                | 100            | 0                 | P               | H          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 | H          |
|                              |                                                                                             | 11440             | 42.49            | -31.51            | 74                    | 48.5              | 39.7                    | 15.88            | 61.59                | 100            | 0                 | P               | V          |
|                              |                                                                                             | 17160             | 43.64            | -24.56            | 68.2                  | 39.14             | 40.28                   | 20.15            | 55.93                | 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 3 - Straddle Channel**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                            | 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 ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5437.75              | 48.48               | -25.52                  | 74                          | 40.04                     | 31.68                         | 9.87                   | 33.11                      | 101                  | 4                       | P                       | H               |
|                                                |                                                                                             | 5467.39              | 47.66               | -20.54                  | 68.2                        | 39.1                      | 31.77                         | 9.9                    | 33.11                      | 101                  | 4                       | P                       | H               |
|                                                |                                                                                             | 5458.42              | 38.98               | -15.02                  | 54                          | 30.47                     | 31.73                         | 9.89                   | 33.11                      | 101                  | 4                       | A                       | H               |
|                                                | *                                                                                           | 5720                 | 106.9               | -                       | -                           | 97.85                     | 32.04                         | 10.19                  | 33.18                      | 101                  | 4                       | P                       | H               |
|                                                | *                                                                                           | 5720                 | 98.84               | -                       | -                           | 89.79                     | 32.04                         | 10.19                  | 33.18                      | 101                  | 4                       | A                       | H               |
|                                                |                                                                                             | 5874.5               | 52.35               | -15.85                  | 68.2                        | 42.8                      | 32.4                          | 10.38                  | 33.23                      | 101                  | 4                       | P                       | H               |
|                                                |                                                                                             | 5421.37              | 48.6                | -25.4                   | 74                          | 40.21                     | 31.64                         | 9.86                   | 33.11                      | 255                  | 353                     | P                       | V               |
|                                                |                                                                                             | 5460.37              | 47.64               | -20.56                  | 68.2                        | 39.12                     | 31.74                         | 9.89                   | 33.11                      | 255                  | 353                     | P                       | V               |
|                                                |                                                                                             | 5459.59              | 38.9                | -15.1                   | 54                          | 30.38                     | 31.74                         | 9.89                   | 33.11                      | 255                  | 353                     | A                       | V               |
|                                                | *                                                                                           | 5720                 | 99.37               | -                       | -                           | 90.32                     | 32.04                         | 10.19                  | 33.18                      | 255                  | 353                     | P                       | V               |
|                                                | *                                                                                           | 5720                 | 90.2                | -                       | -                           | 81.15                     | 32.04                         | 10.19                  | 33.18                      | 255                  | 353                     | A                       | V               |
|                                                |                                                                                             | 5933.25              | 50.89               | -17.31                  | 68.2                        | 41.12                     | 32.57                         | 10.45                  | 33.25                      | 255                  | 353                     | P                       | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**Band 3 - Straddle Channel****WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11n<br>HT20<br>CH 144<br>5720MHz |                                                                                             | 11440     | 42.79      | -31.21     | 74         | 48.8       | 39.7           | 15.88     | 61.59         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 17160     | 43.37      | -24.83     | 68.2       | 38.87      | 40.28          | 20.15     | 55.93         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11440     | 42.92      | -31.08     | 74         | 48.93      | 39.7           | 15.88     | 61.59         | 100     | 0         | P         | V       |
|                                      |                                                                                             | 17160     | 43.45      | -24.75     | 68.2       | 38.95      | 40.28          | 20.15     | 55.93         | 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 3 - Straddle Channel**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                            | 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 ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5369.5               | 49.52               | -24.48                  | 74                          | 41.38                     | 31.42                         | 9.83                   | 33.11                      | 100                  | 5                       | P                       | H               |
|                                                |                                                                                             | 5470                 | 49.01               | -19.19                  | 68.2                        | 40.44                     | 31.78                         | 9.9                    | 33.11                      | 100                  | 5                       | P                       | H               |
|                                                |                                                                                             | 5452.57              | 40.55               | -13.45                  | 54                          | 32.06                     | 31.71                         | 9.89                   | 33.11                      | 100                  | 5                       | A                       | H               |
|                                                | *                                                                                           | 5710                 | 103.62              | -                       | -                           | 94.61                     | 32.02                         | 10.17                  | 33.18                      | 100                  | 5                       | P                       | H               |
|                                                | *                                                                                           | 5710                 | 94.42               | -                       | -                           | 85.41                     | 32.02                         | 10.17                  | 33.18                      | 100                  | 5                       | A                       | H               |
|                                                |                                                                                             | 5891.25              | 50.56               | -17.64                  | 68.2                        | 40.93                     | 32.47                         | 10.4                   | 33.24                      | 100                  | 5                       | P                       | H               |
|                                                |                                                                                             | 5451.79              | 48.82               | -25.18                  | 74                          | 40.33                     | 31.71                         | 9.89                   | 33.11                      | 149                  | 5                       | P                       | V               |
|                                                |                                                                                             | 5467                 | 48.25               | -19.95                  | 68.2                        | 39.69                     | 31.77                         | 9.9                    | 33.11                      | 149                  | 5                       | P                       | V               |
|                                                |                                                                                             | 5450.62              | 40.22               | -13.78                  | 54                          | 31.74                     | 31.7                          | 9.89                   | 33.11                      | 149                  | 5                       | A                       | V               |
|                                                | *                                                                                           | 5710                 | 96.82               | -                       | -                           | 87.81                     | 32.02                         | 10.17                  | 33.18                      | 149                  | 5                       | P                       | V               |
|                                                | *                                                                                           | 5710                 | 87.92               | -                       | -                           | 78.91                     | 32.02                         | 10.17                  | 33.18                      | 149                  | 5                       | A                       | V               |
|                                                |                                                                                             | 5855                 | 51.84               | -16.36                  | 68.2                        | 42.38                     | 32.32                         | 10.36                  | 33.22                      | 149                  | 5                       | P                       | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**Band 3 - Straddle Channel****WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11n<br>HT40<br>CH 142<br>5710MHz |                                                                                             | 11420     | 43.08      | -30.92     | 74         | 49.09      | 39.7           | 15.87     | 61.58         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 17130     | 43.83      | -24.37     | 68.2       | 39.53      | 40.19          | 20.12     | 56.01         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 11420     | 42.26      | -31.74     | 74         | 48.27      | 39.7           | 15.87     | 61.58         | 100     | 0         | P         | V       |
|                                      |                                                                                             | 17130     | 43.16      | -25.04     | 68.2       | 38.86      | 40.19          | 20.12     | 56.01         | 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 3 - Straddle Channel**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                              | 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 ) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5436.58              | 48.16               | -25.84                  | 74                          | 39.73                     | 31.67                         | 9.87                   | 33.11                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             | 5467.78              | 47.81               | -20.39                  | 68.2                        | 39.25                     | 31.77                         | 9.9                    | 33.11                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             | 5445.55              | 40.31               | -13.69                  | 54                          | 31.85                     | 31.69                         | 9.88                   | 33.11                      | 100                  | 0                       | A                       | H               |
|                                                  | *                                                                                           | 5690                 | 100.82              | -                       | -                           | 91.9                      | 31.94                         | 10.15                  | 33.17                      | 100                  | 0                       | P                       | H               |
|                                                  | *                                                                                           | 5690                 | 91.6                | -                       | -                           | 82.68                     | 31.94                         | 10.15                  | 33.17                      | 100                  | 0                       | A                       | H               |
|                                                  |                                                                                             | 5926.9               | 50.2                | -18                     | 68.2                        | 40.46                     | 32.55                         | 10.44                  | 33.25                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             | 5456.08              | 47.92               | -26.08                  | 74                          | 39.42                     | 31.72                         | 9.89                   | 33.11                      | 152                  | 357                     | P                       | V               |
|                                                  |                                                                                             | 5467.78              | 47.59               | -20.61                  | 68.2                        | 39.03                     | 31.77                         | 9.9                    | 33.11                      | 152                  | 357                     | P                       | V               |
|                                                  |                                                                                             | 5459.98              | 40.28               | -13.72                  | 54                          | 31.76                     | 31.74                         | 9.89                   | 33.11                      | 152                  | 357                     | A                       | V               |
|                                                  | *                                                                                           | 5690                 | 94.62               | -                       | -                           | 85.7                      | 31.94                         | 10.15                  | 33.17                      | 152                  | 357                     | P                       | V               |
|                                                  | *                                                                                           | 5690                 | 85.11               | -                       | -                           | 76.19                     | 31.94                         | 10.15                  | 33.17                      | 152                  | 357                     | A                       | V               |
|                                                  |                                                                                             | 5922.7               | 49.71               | -18.49                  | 68.2                        | 39.98                     | 32.55                         | 10.43                  | 33.25                      | 152                  | 357                     | P                       | V               |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 138<br>5690MHz |                                                                                             | 11380     | 43.17      | -30.83     | 74         | 49.24      | 39.66          | 15.85     | 61.58         | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17070     | 43.03      | -25.17     | 68.2       | 39.04      | 40.07          | 20.07     | 56.15         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 11380     | 42.81      | -31.19     | 74         | 48.88      | 39.66          | 15.85     | 61.58         | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17070     | 42.42      | -25.78     | 68.2       | 38.43      | 40.07          | 20.07     | 56.15         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



## Emission below 1GHz

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

| WIFI Ant.             | Note                                                                       | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------|----------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11n<br>HT20<br>LF |                                                                            | 43.58     | 26.61      | -13.39     | 40         | 40.78      | 17.28          | 0.92      | 32.37         | -       | -         | P         | H       |
|                       |                                                                            | 91.11     | 20.69      | -22.81     | 43.5       | 36.93      | 14.76          | 1.33      | 32.33         | -       | -         | P         | H       |
|                       |                                                                            | 159.98    | 23.54      | -19.96     | 43.5       | 37.7       | 16.37          | 1.74      | 32.27         | -       | -         | P         | H       |
|                       |                                                                            | 495.6     | 30.03      | -15.97     | 46         | 35.64      | 23.67          | 2.88      | 32.16         | -       | -         | P         | H       |
|                       |                                                                            | 874.87    | 32.72      | -13.28     | 46         | 31.02      | 29.2           | 3.98      | 31.48         | -       | -         | P         | H       |
|                       |                                                                            | 952.47    | 33.42      | -12.58     | 46         | 29.45      | 30.68          | 4.16      | 30.87         | 100     | 0         | P         | H       |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H       |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H       |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H       |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H       |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H       |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H       |
|                       |                                                                            | 40.67     | 32.18      | -7.82      | 40         | 44.98      | 18.7           | 0.87      | 32.37         | -       | -         | P         | V       |
|                       |                                                                            | 46.49     | 34.71      | -5.29      | 40         | 50.3       | 15.84          | 0.94      | 32.37         | 100     | 0         | P         | V       |
|                       |                                                                            | 187.14    | 23.19      | -20.31     | 43.5       | 38.92      | 14.61          | 1.91      | 32.25         | -       | -         | P         | V       |
|                       |                                                                            | 767.2     | 31         | -15        | 46         | 31.4       | 27.88          | 3.68      | 31.96         | -       | -         | P         | V       |
|                       |                                                                            | 864.2     | 32.23      | -13.77     | 46         | 30.52      | 29.29          | 3.96      | 31.54         | -       | -         | P         | V       |
|                       |                                                                            | 959.26    | 33.02      | -12.98     | 46         | 28.67      | 30.97          | 4.18      | 30.8          | -       | -         | P         | V       |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | 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>Peak</b> or <b>Average</b>                                                                                                                            |
| H/V | <b>Horizontal</b> or <b>Vertical</b>                                                                                                                     |



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

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2     |      | ( 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

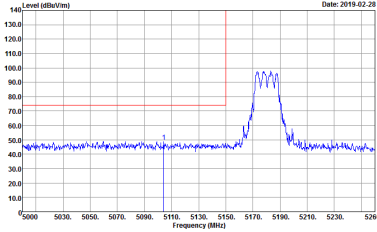
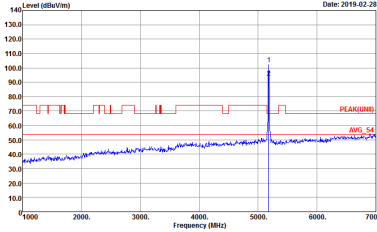
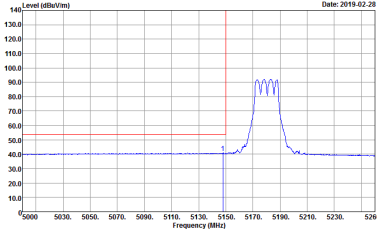
|                        |                              |                            |         |
|------------------------|------------------------------|----------------------------|---------|
| <b>Test Engineer :</b> | HAO Shu, JC Liang, and KenWu | <b>Temperature :</b>       | 20~25°C |
|                        |                              | <b>Relative Humidity :</b> | 50~55%  |

### Note symbol

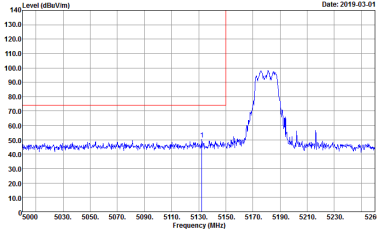
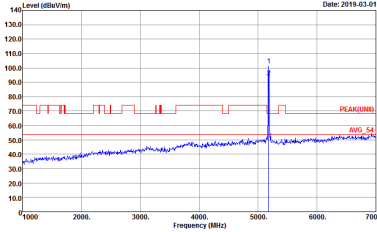
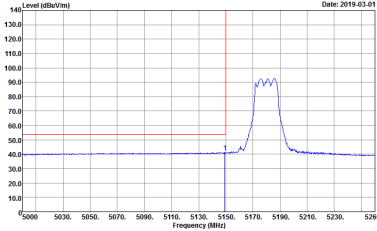
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



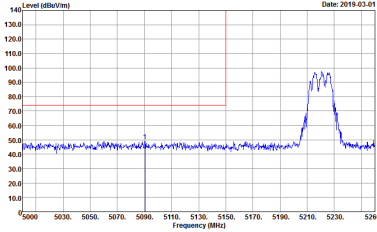
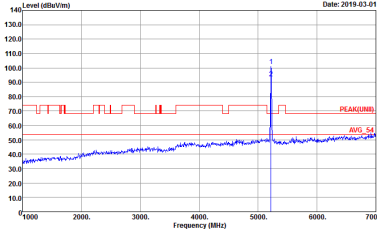
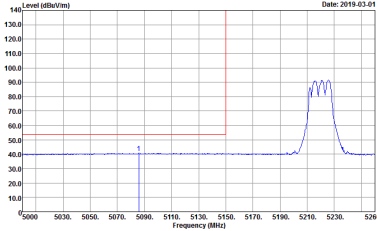
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                 |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(FUND) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p>    | Left blank                                                                                                                                                                                                                                                                      |

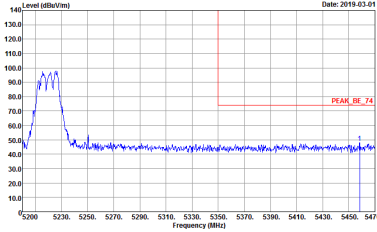
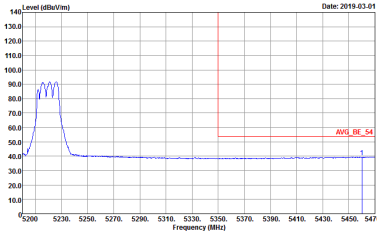


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                       |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

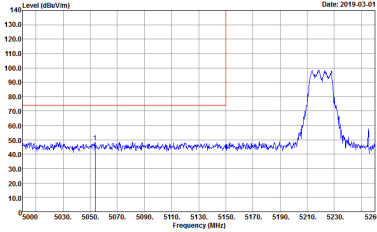
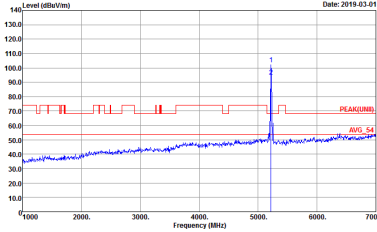
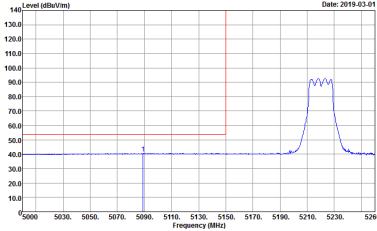


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                   |

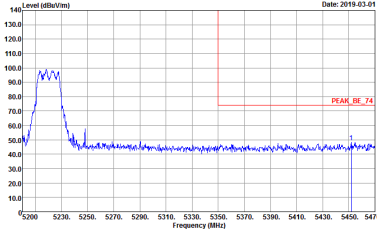
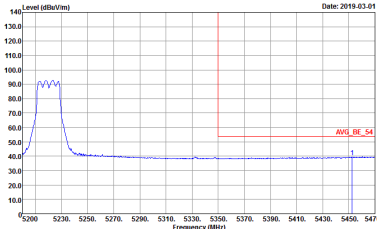


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                                                 |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>    | Left blank  |

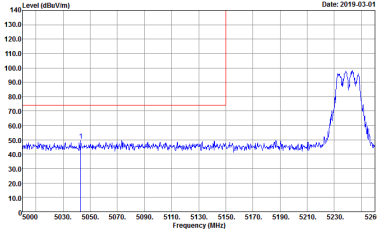
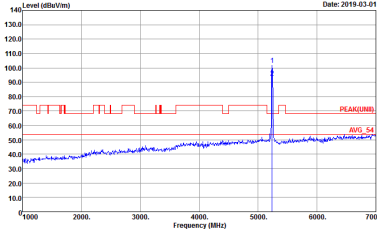
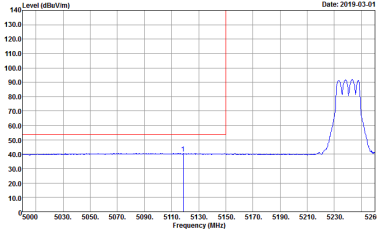


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                   |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

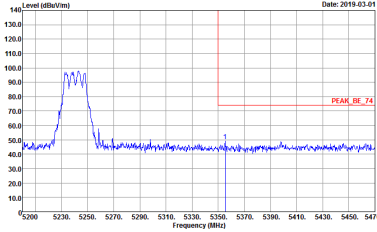
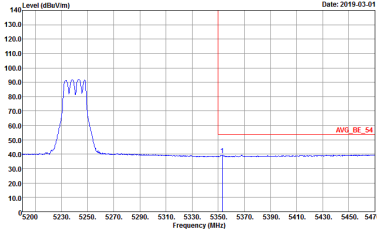


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>    | Left blank  |

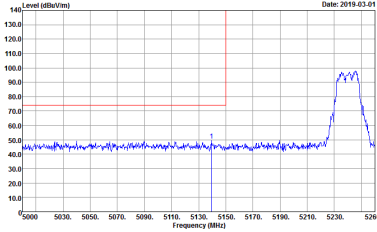
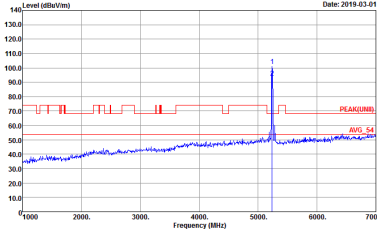
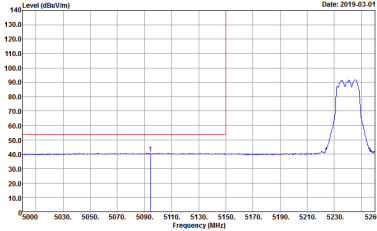


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                   |

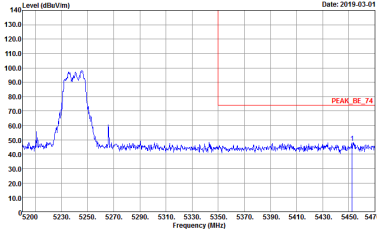
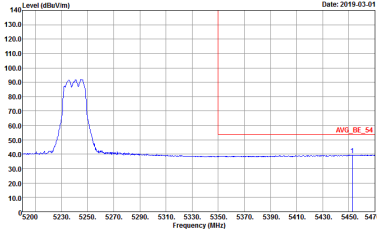


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                                                 |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>    | Left blank  |



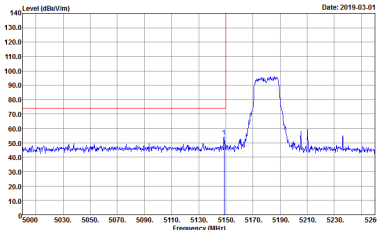
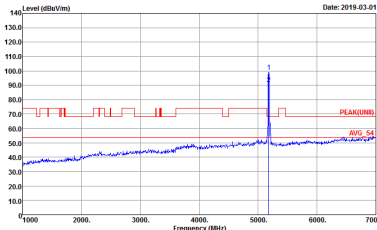
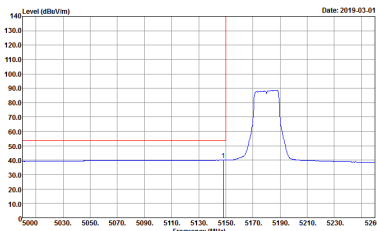
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                   |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                   |             |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |



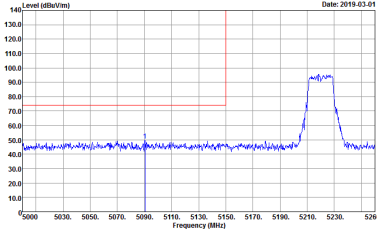
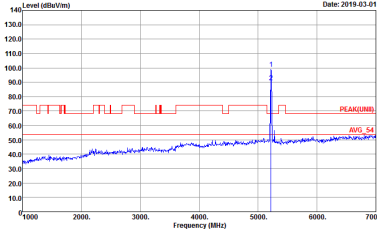
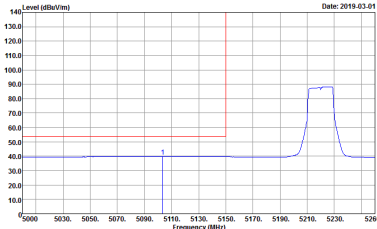
Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> | Left blank                                                                                                                                                                                                                         |

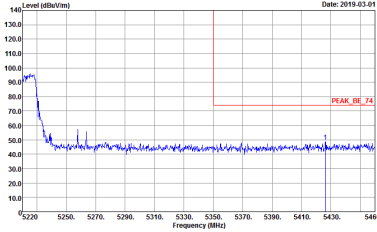
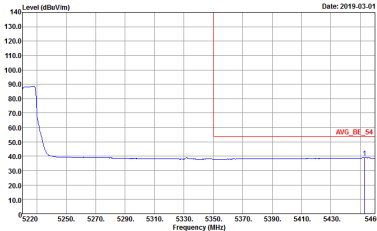


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                       |                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                |                                                                                                                                                          |
| 1+2  | Vertical                                                                                                                                                 | Fundamental                                                                                                                                              |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X 1E</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X 1E</p></div>  | Left blank                                                                                                                                               |

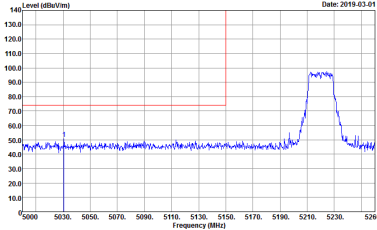
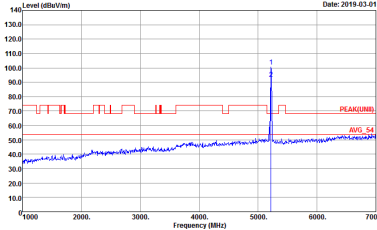
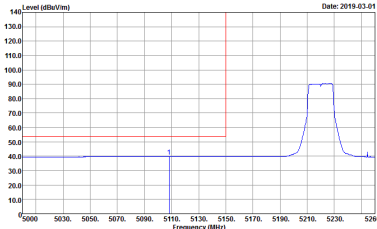


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p></div> | Left blank                                                                                                                                                                                                                                   |

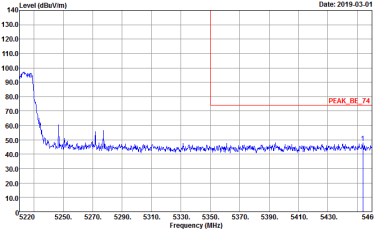
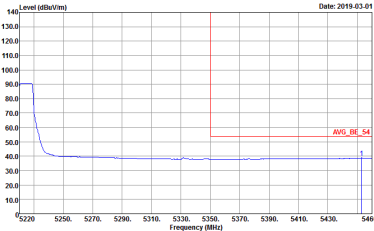


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

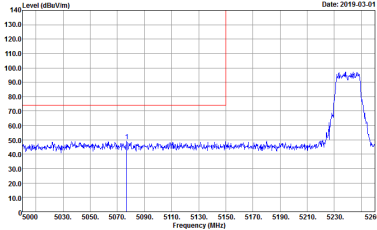
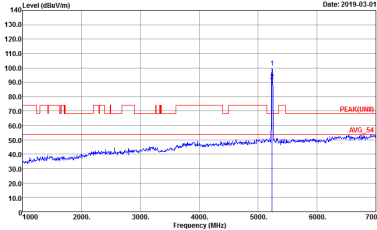
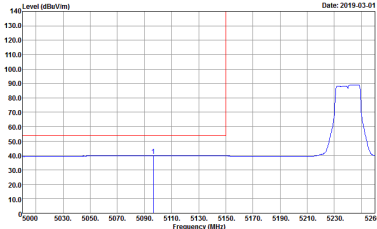


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

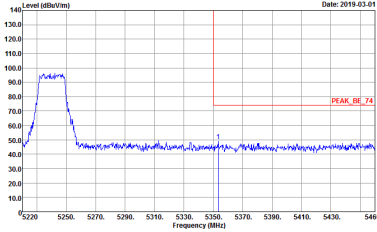
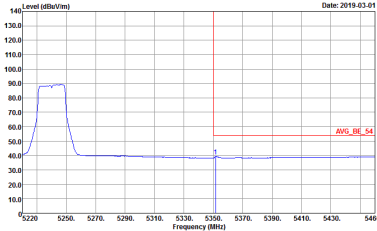


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                              |             |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

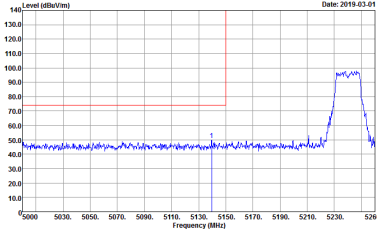
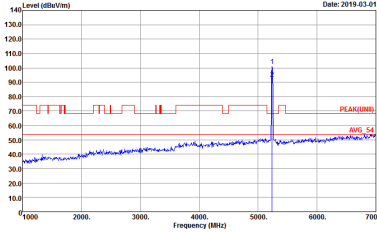
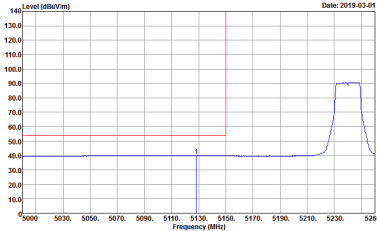


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                   |

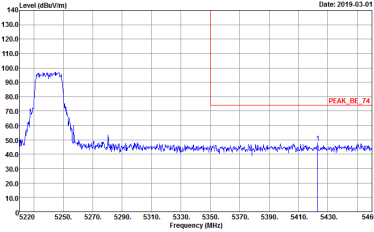
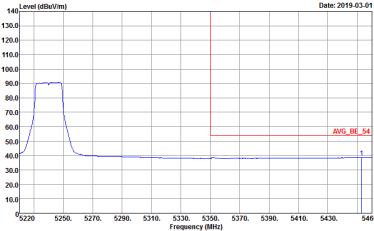


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |



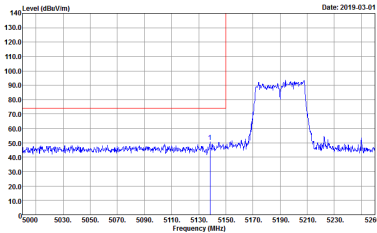
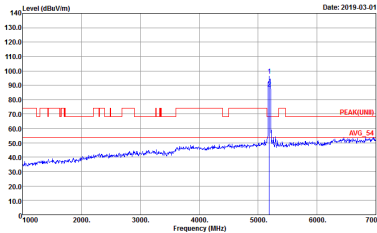
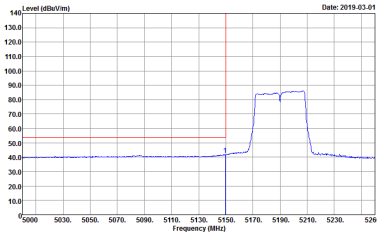
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                    |                                                                                                                                                                                                                                  |
| 1+2  | Vertical                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> | Left blank                                                                                                                                                                                                                       |



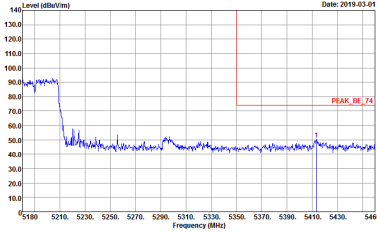
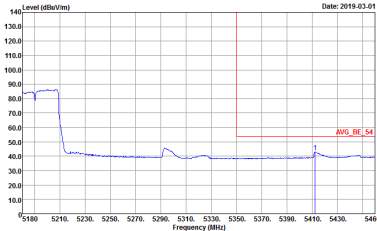
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                                                           |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |



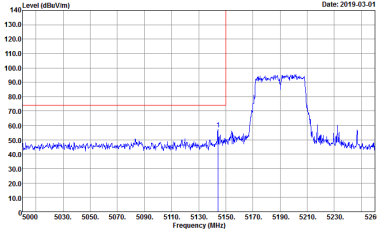
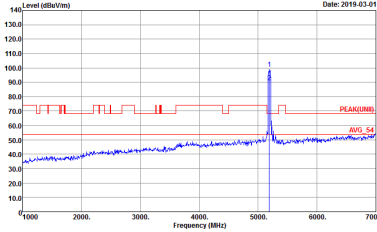
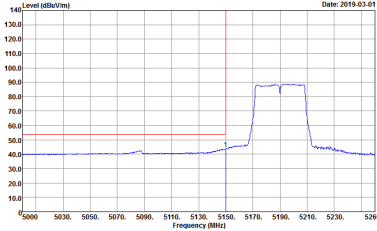
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> | Left blank                                                                                                                                                                                                                         |

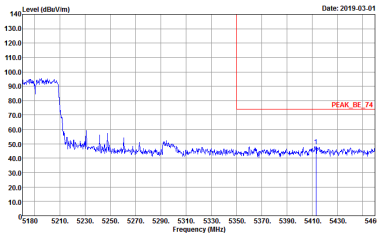
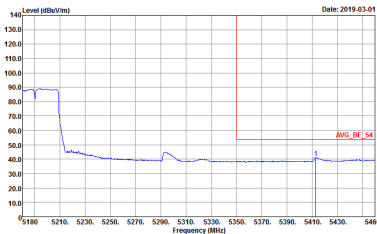


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                                                            |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>    | Left blank  |

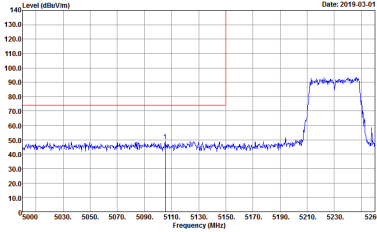
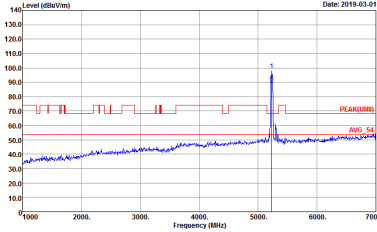
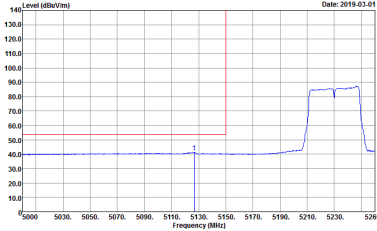


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

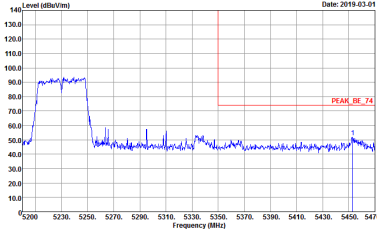
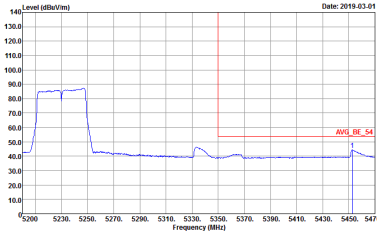


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                              |             |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : O X IE</p></div> | Left blank                                                                                                                                                                                                                                   |

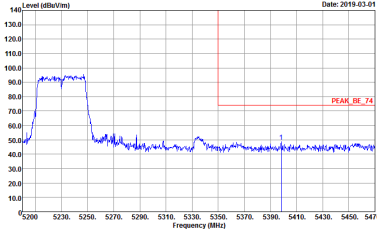
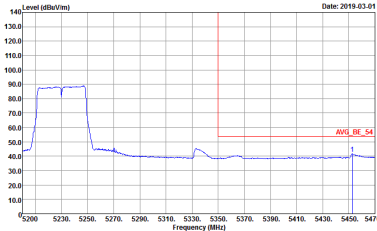


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |



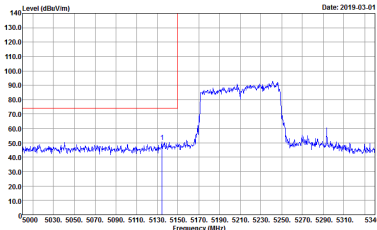
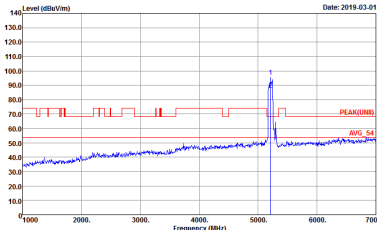
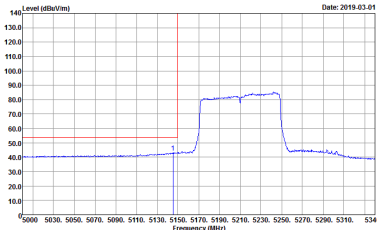
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                       |                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                            |                                                                                                                                                          |
| 1+2  | Vertical                                                                                                                                                 | Fundamental                                                                                                                                              |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank                                                                                                                                               |



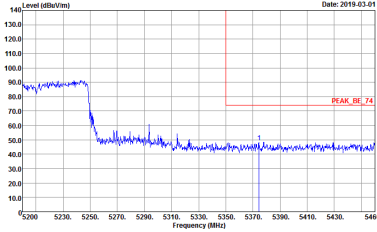
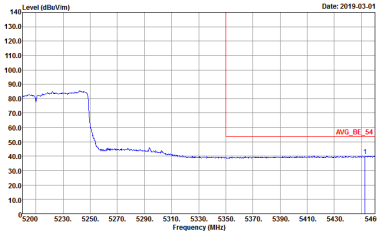
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                                          |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>    | Left blank  |

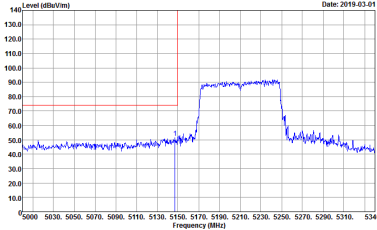
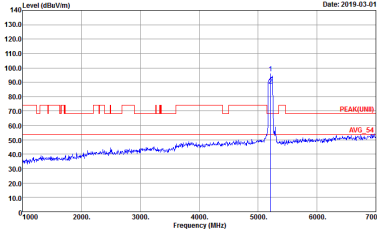
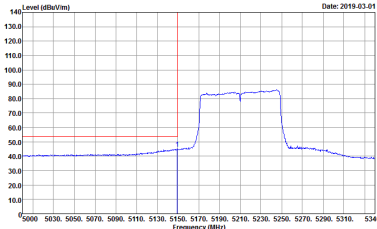


Band 1 5150~5250MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

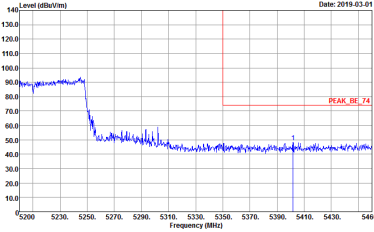
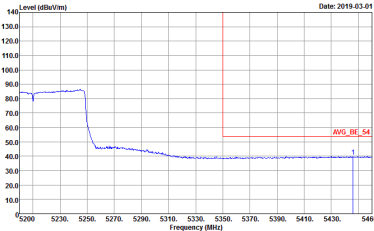
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                    |                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> | Left blank                                                                                                                                                                                                                         |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                              |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

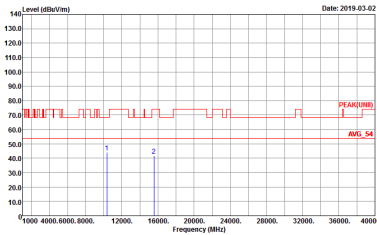
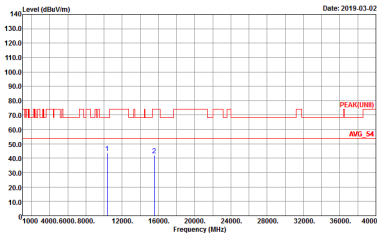
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |
| 1+2         | Vertical                                                                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                                                                      |
| <b>Peak</b> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1E         </p>  |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1E         </p> |
|             |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1E         </p> | <p>Left blank</p>                                                                                                                                                                                                                                                                                |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                            |             |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</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                                                                                                                                                                                          |                                                                                                                                                                                                              |
| 1+2          | Horizontal                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                     |
| Peak<br>Avg. |  <p>Site : 03CH11-44Y<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |  <p>Site : 03CH11-44Y<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |



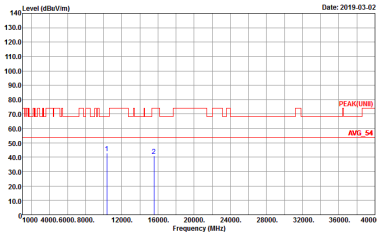
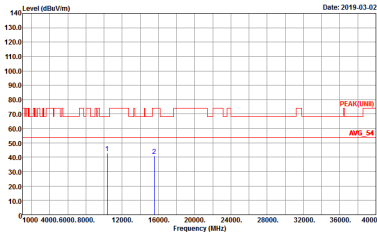
|              |                                                                                                                                                                                    |                                                                                                                                                                                  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                  |                                                                                                                                                                                  |
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                               |                                                                                                                                                                                  |
| 1+2          | Horizontal                                                                                                                                                                         | Vertical                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> |



|              |                                                                                                                                                                                                          |                                                                                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                        |                                                                                                                                                                                                        |
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                                     |                                                                                                                                                                                                        |
| 1+2          | Horizontal                                                                                                                                                                                               | Vertical                                                                                                                                                                                               |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> |



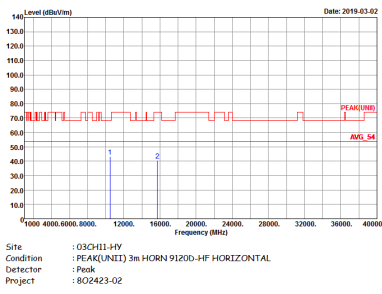
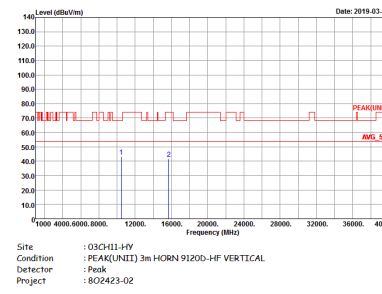
Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                       |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                              |                                                                                                                                                                                                                       |
| 1+2          | Horizontal                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CHI1-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> | <div><p>Site : 03CHI1-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> |

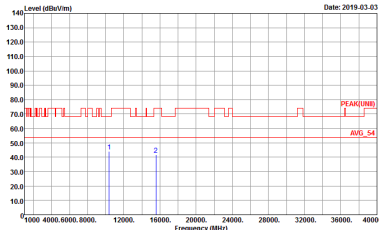
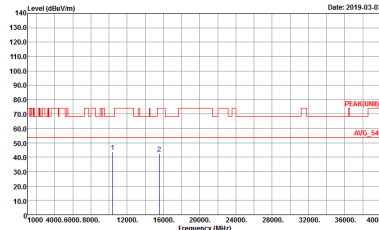


|              |                                                                                                                                                                                                          |                                                                                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                        |                                                                                                                                                                                                        |
| ANT          | 802.11n HT20 CH44 5220MHz                                                                                                                                                                                |                                                                                                                                                                                                        |
| 1+2          | Horizontal                                                                                                                                                                                               | Vertical                                                                                                                                                                                               |
| Peak<br>Avg. | <div><p>Level (dBu/V/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-11Y<br/>Condition : PEAK(UWB) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> | <div><p>Level (dBu/V/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-11Y<br/>Condition : PEAK(UWB) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> |



|              |                                                                                              |                                                                                               |
|--------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                            |                                                                                               |
| ANT          | 802.11n HT20 CH48 5240MHz                                                                    |                                                                                               |
| 1+2          | Horizontal                                                                                   | Vertical                                                                                      |
| Peak<br>Avg. | <div></div> | <div></div> |

**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

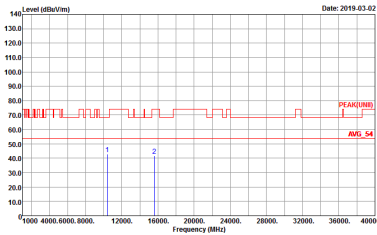
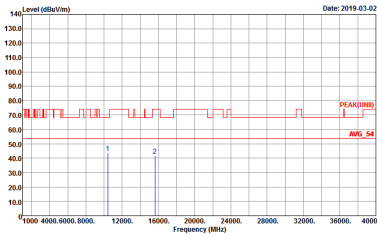
| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH38 5190MHz                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                  |
| 1+2                            | Horizontal                                                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                                                         |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CHI1-HY<br/>           Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p> |  <p>           Site : 03CHI1-HY<br/>           Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p> |



|              |                                                                                                                                                                              |                                                                                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                            |                                                                                                                                                                            |
| ANT          | 802.11n HT40 CH46 5230MHz                                                                                                                                                    |                                                                                                                                                                            |
| 1+2          | Horizontal                                                                                                                                                                   | Vertical                                                                                                                                                                   |
| Peak<br>Avg. | <div><p>Level (dBu/Vm) Date: 2019-03-03</p><p>Site : 03CH11-11Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> | <div><p>Level (dBu/Vm) Date: 2019-03-03</p><p>Site : 03CH11-11Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> |

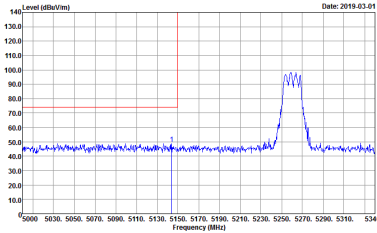
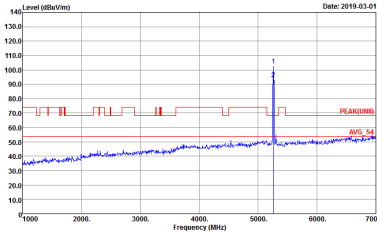
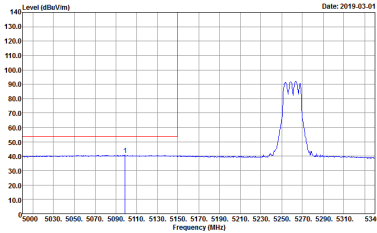


Band 1 5150~5250MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)

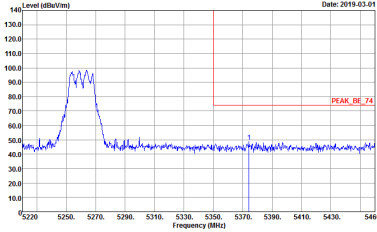
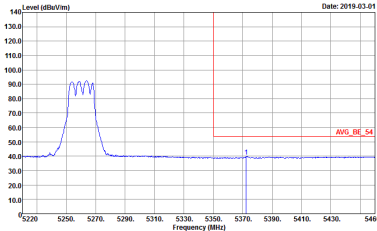
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                            |                                                                                                                                                                                                             |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH42 5210MHz                                                                                                                                                                                  |                                                                                                                                                                                                             |
| 1+2          | Horizontal                                                                                                                                                                                                   | Vertical                                                                                                                                                                                                    |
| Peak<br>Avg. |  <p>Site : 03CH11-4Y<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |  <p>Site : 03CH11-4Y<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |



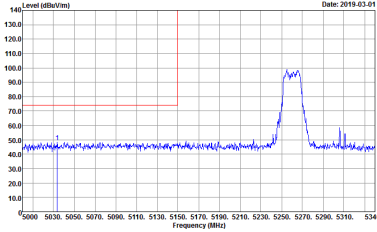
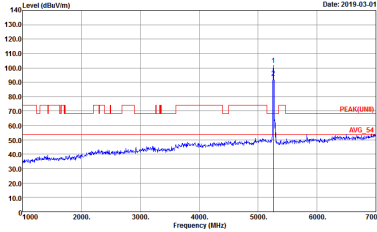
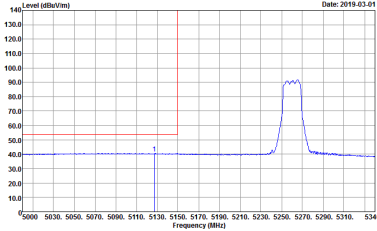
Band 2 - 5250~5350MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                           |                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> | Left blank                                                                                                                                                                                                                         |

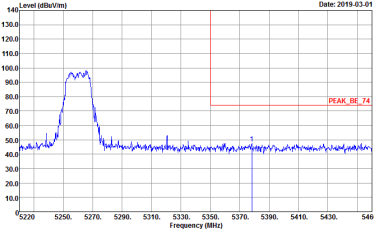
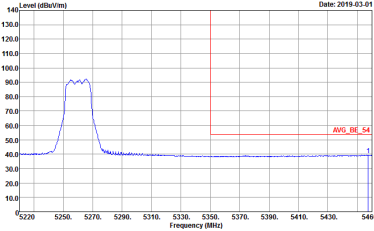


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                     |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

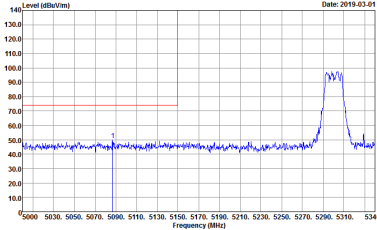
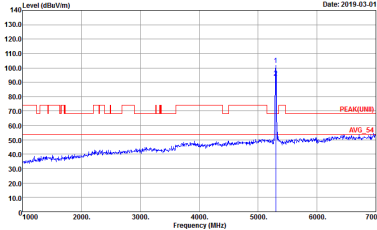
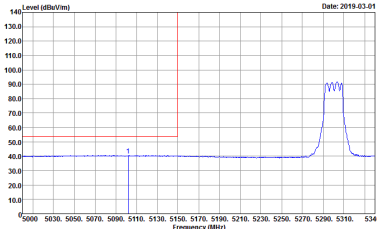


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                   |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

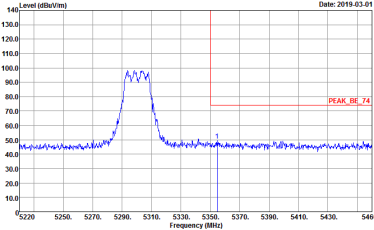
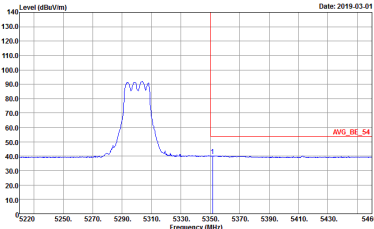


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>    | Left blank  |

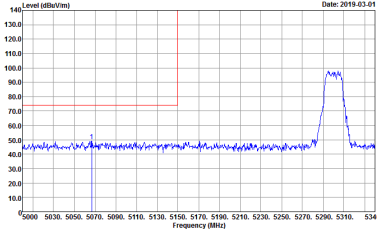
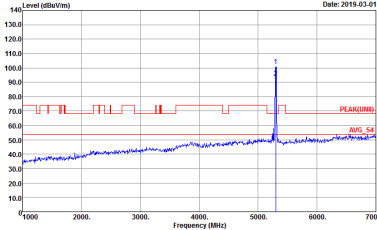
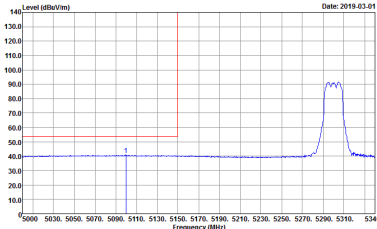


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                     |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                   |

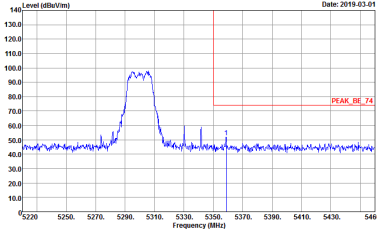
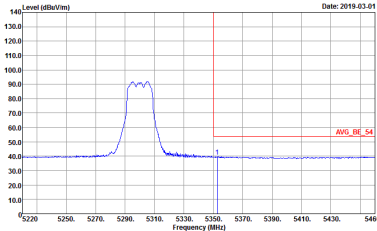


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                     |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

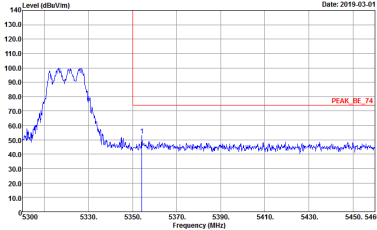
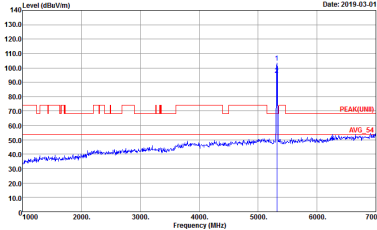
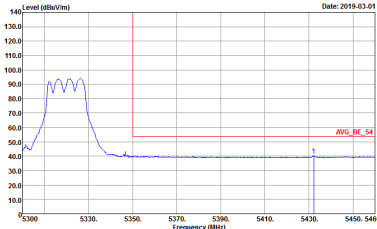


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                   |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

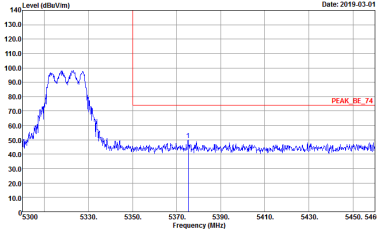
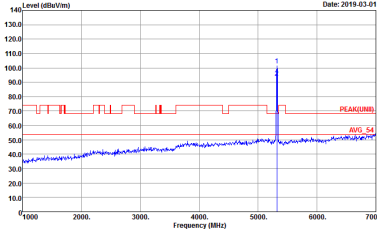
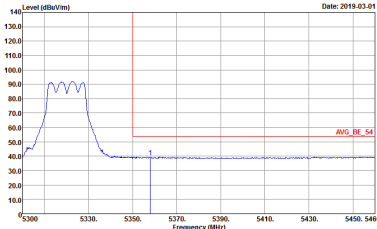


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div>    | Left blank  |



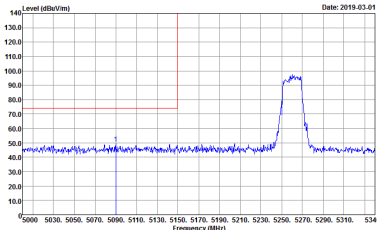
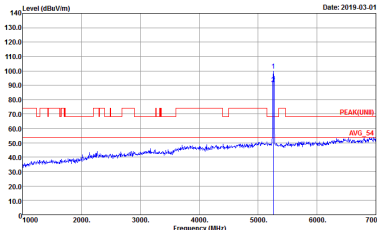
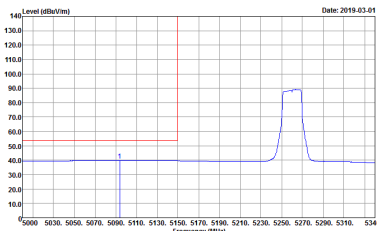
|      |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                         |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                   |



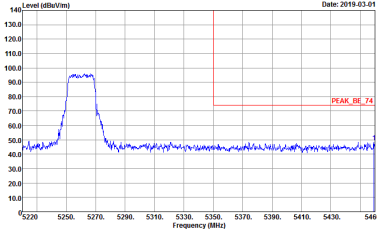
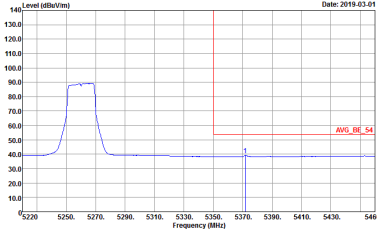
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                       |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |



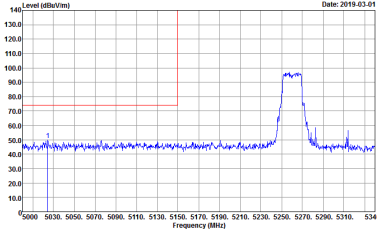
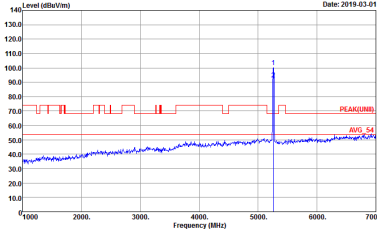
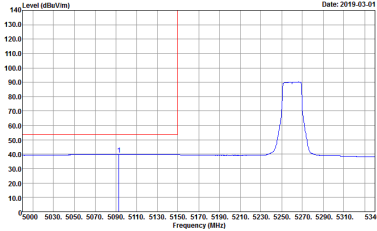
Band 2 5250~5350MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> | Left blank                                                                                                                                                                                                                         |

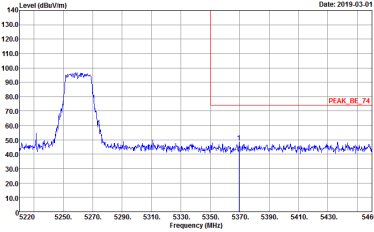
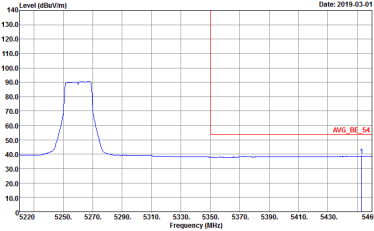


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

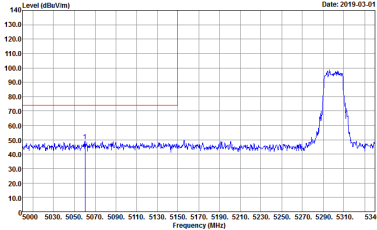
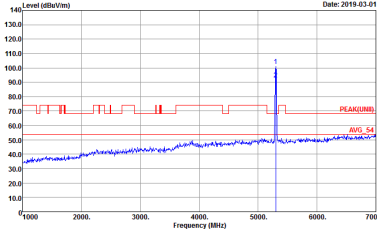
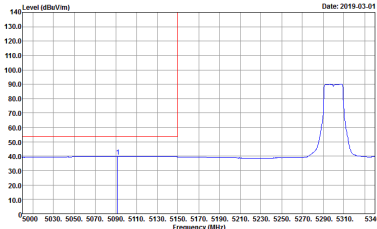


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

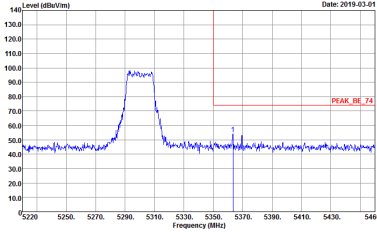
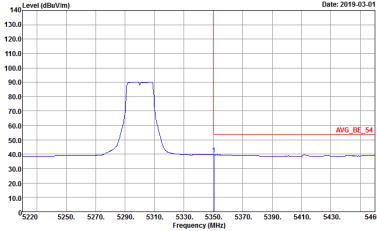


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                                                           |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

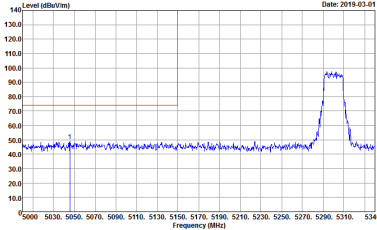
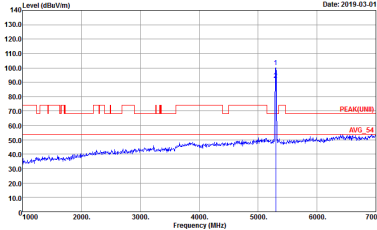
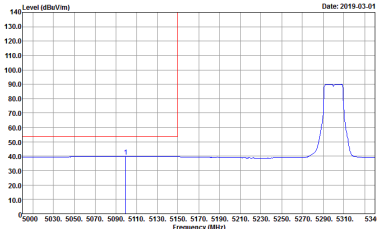


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                   |

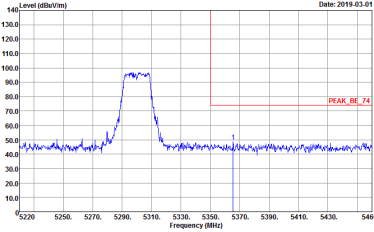
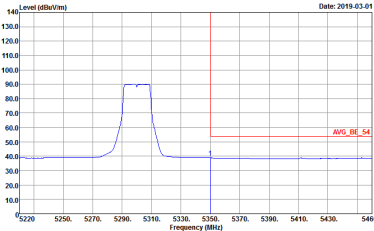


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                |            |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Vertical   |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | Left blank |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank |

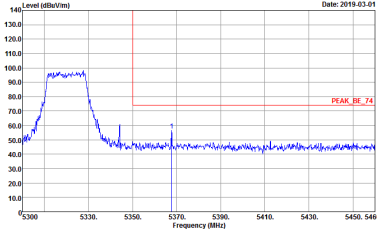
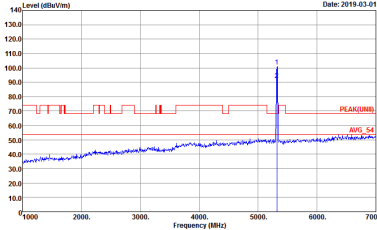
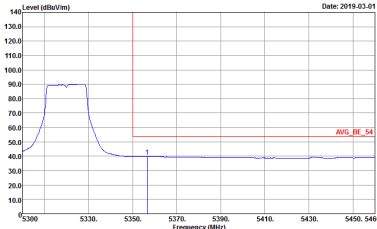


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |

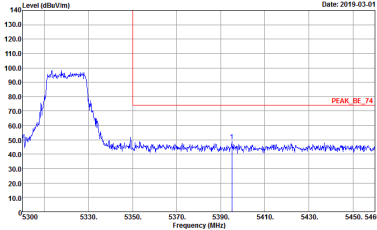
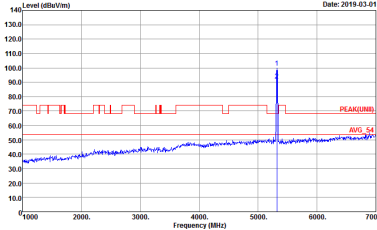
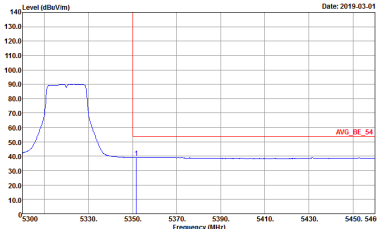


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                                          |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div>   | Left blank  |



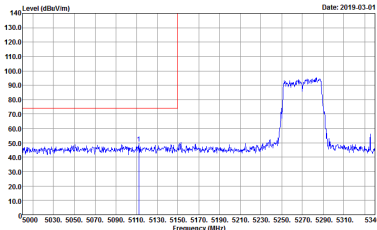
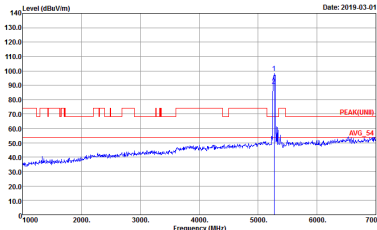
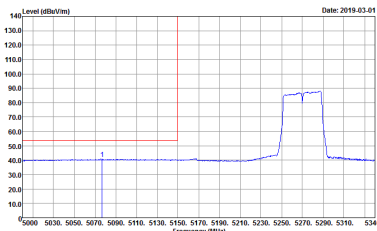
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                    |                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                   |



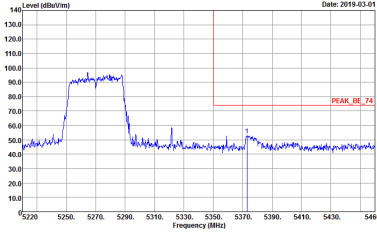
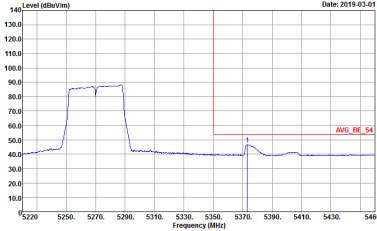
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                  |                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                 |



Band 2 5250~5350MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                         |                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X IE</p> | Left blank                                                                                                                                                                                                                         |

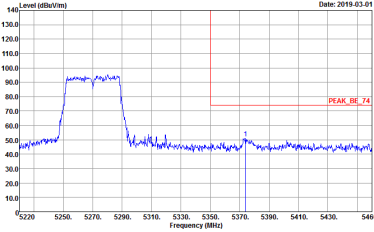
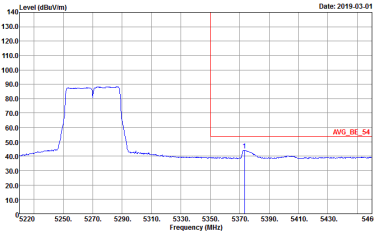


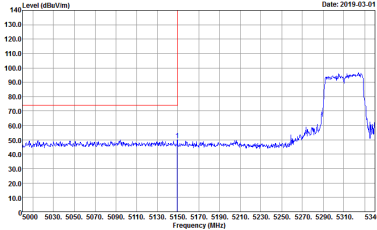
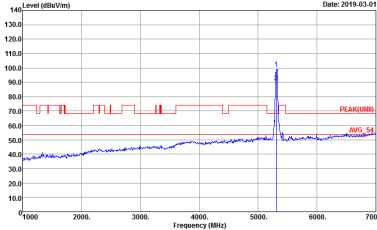
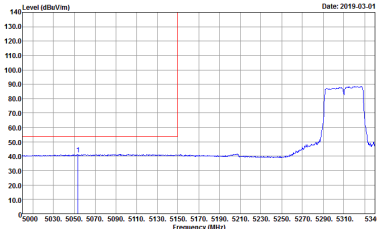
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                   |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

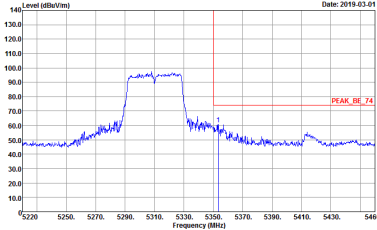
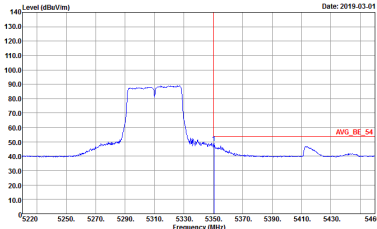


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                            |                                                                                                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                    |                                                                                                                                               |
| 1+2  | Vertical                                                                                                                                      | Vertical                                                                                                                                      |
| Peak | <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> | <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> |
|      | <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p>  | Left blank                                                                                                                                    |

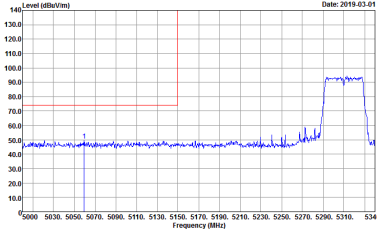
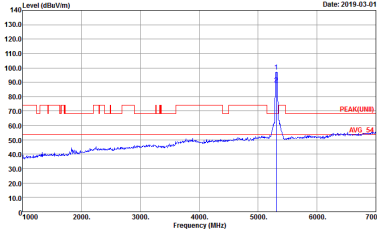
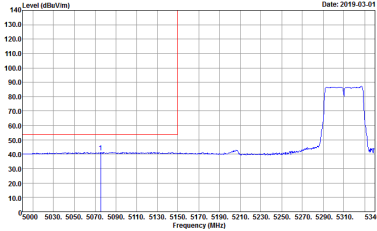


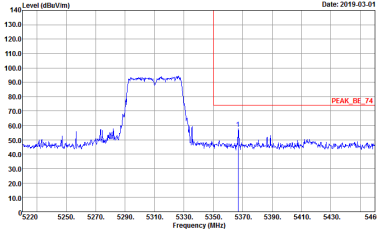
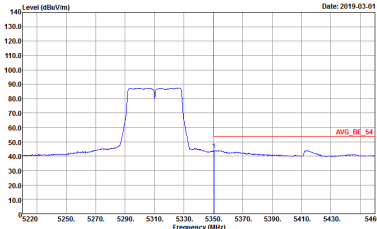
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                 |            |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Vertical   |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div>  | Left blank |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02<br/>Setting : 0 X 1E</p></div> | Left blank |

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                    |                                                                                                                                                                                                               |
| 1+2         | Horizontal                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                   |
| <b>Peak</b> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p> |
|             |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p> | Left blank                                                                                                                                                                                                    |

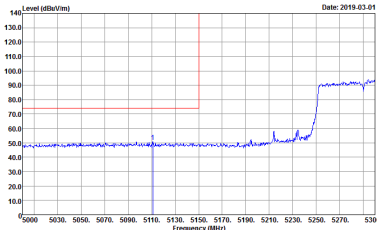
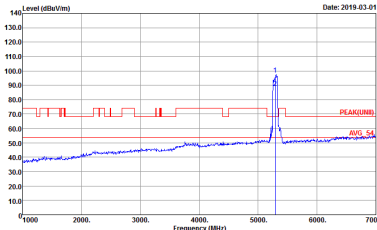
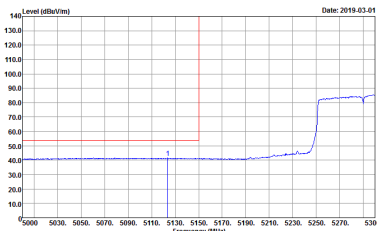
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                 |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                         |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                         | Fundamental |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p> | Left blank  |

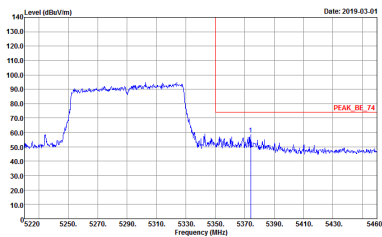
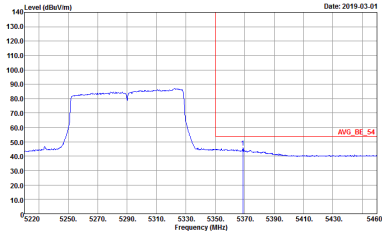


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                            |                                                                                                                                                                                                                       |
| 1+2  | Vertical                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> | Left blank                                                                                                                                                                                                            |

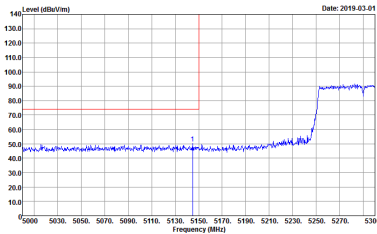
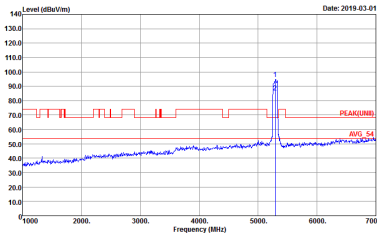
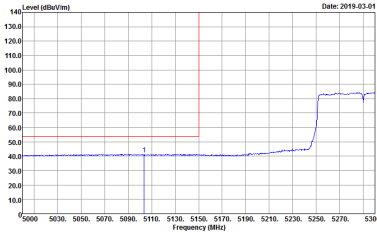
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                       |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                         | Fundamental |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p> | Left blank  |

**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

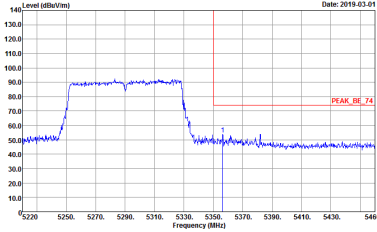
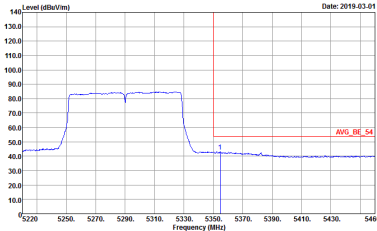
| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| 1+2         | Horizontal                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                      |
| <b>Peak</b> |  <p>Site : 03CH11-HY<br/> Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 802423-02</p>  |  <p>Site : 03CH11-HY<br/> Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 802423-02</p> |
| <b>Avg.</b> |  <p>Site : 03CH11-HY<br/> Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 802423-02</p> | <b>Left blank</b>                                                                                                                                                                                                |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                 |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                                    |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                         | Fundamental |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p> | Left blank  |

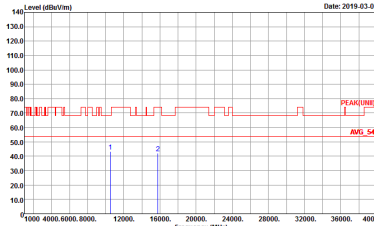
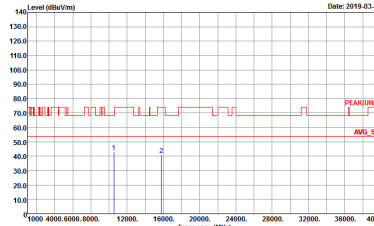


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                          |                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                                             |                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p> | Left blank                                                                                                                                                                                                  |

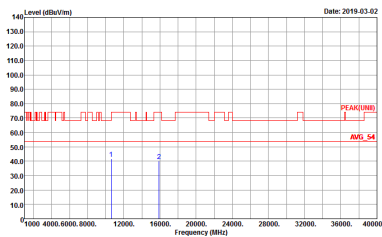
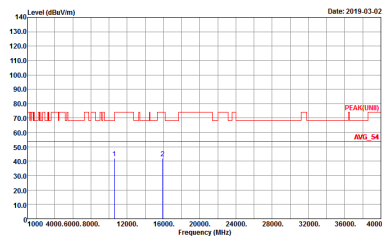


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                 |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                                    |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02</p></div> | Left blank  |

**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                           | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                  |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11a CH52 5260MHz                                                                                                                                                                                              |                                                                                                                                                                                                                  |
| 1+2                            | Horizontal                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                         |
| <b>Peak</b><br><br><b>Avg.</b> |  <p> Site : 03CH11-4Y<br/> Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 8O2423-02 </p> |  <p> Site : 03CH11-4Y<br/> Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 8O2423-02 </p> |



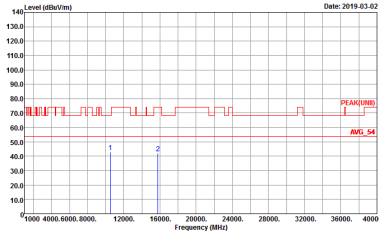
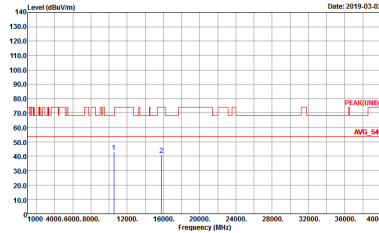
| WIFI             | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                             |                                                                                                                                                                                                              |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT              | 802.11a CH60 5300MHz                                                                                                                                                                                          |                                                                                                                                                                                                              |
| 1+2              | Horizontal                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                     |
| Peak<br><br>Avg. |  <p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |  <p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |
|                  |                                                                                                                                                                                                               |                                                                                                                                                                                                              |



|              |                                                                                                                                                                                                         |                                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                       |                                                                                                                                                                                                       |
| ANT          | 802.11a CH64 5320MHz                                                                                                                                                                                    |                                                                                                                                                                                                       |
| 1+2          | Horizontal                                                                                                                                                                                              | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UHB) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UHB) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p></div> |



Band 2 5250~5350MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                            |                                                                                                                                                                                                             |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH52 5260MHz                                                                                                                                                                                    |                                                                                                                                                                                                             |
| 1+2          | Horizontal                                                                                                                                                                                                   | Vertical                                                                                                                                                                                                    |
| Peak<br>Avg. |  <p>Site : 03CH11-4Y<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |  <p>Site : 03CH11-4Y<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 8O2423-02</p> |



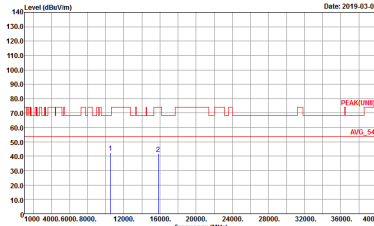
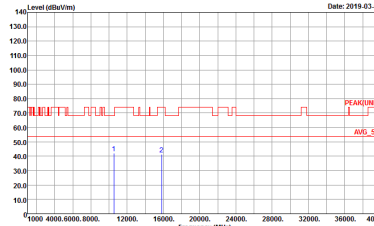
|              |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                    |
| ANT          | 802.11n HT20 CH60 5300MHz                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                    |
| 1+2          | Horizontal                                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Level (dBu/Vm)</p><p>Date: 2019-03-02</p><p>PEAK(UWB)</p><p>AVG_54</p><p>1</p><p>2</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UWB) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> | <div><p>Level (dBu/Vm)</p><p>Date: 2019-03-02</p><p>PEAK(UWB)</p><p>AVG_54</p><p>1</p><p>2</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UWB) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> |



| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                       |                                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH64 5320MHz                                                                                                                                                                               |                                                                                                                                                                                                       |
| 1+2          | Horizontal                                                                                                                                                                                              | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UWB) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-02</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UWB) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> |



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

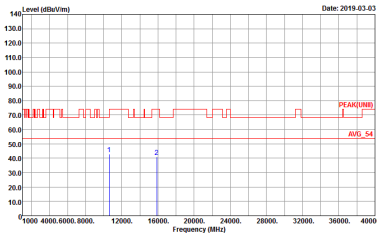
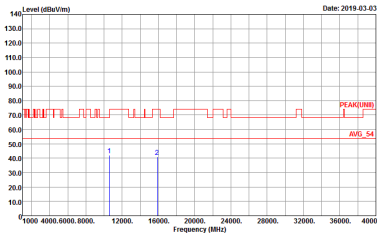
| WIFI                       | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                             |                                                                                                                                                                                                              |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                        | 802.11n HT40 CH54 5270                                                                                                                                                                                        |                                                                                                                                                                                                              |
| 1+2                        | Horizontal                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                     |
| <b>Peak</b><br><b>Avg.</b> |  <p>Site : 03CH11-44Y<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p> |  <p>Site : 03CH11-44Y<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p> |



|              |                                                                                                                                                                                                          |                                                                                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                        |                                                                                                                                                                                                        |
| ANT          | 802.11n HT40 CH62 5310                                                                                                                                                                                   |                                                                                                                                                                                                        |
| 1+2          | Horizontal                                                                                                                                                                                               | Vertical                                                                                                                                                                                               |
| Peak<br>Avg. | <div><p>Level (dBu/Vm)</p><p>Date: 2019-03-03</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> | <div><p>Level (dBu/Vm)</p><p>Date: 2019-03-03</p><p>Frequency (MHz)</p><p>Site : 03CH11-14Y<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> |

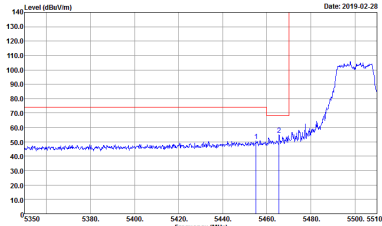
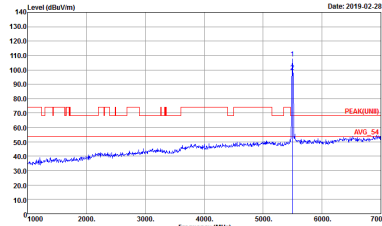
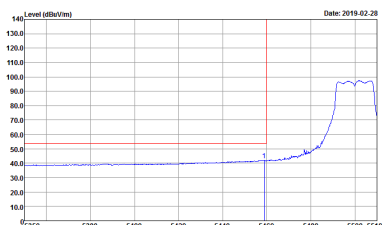


Band 2 5250~5350MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                            |                                                                                                                                                                                                             |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH58 5290MHz                                                                                                                                                                                  |                                                                                                                                                                                                             |
| 1+2          | Horizontal                                                                                                                                                                                                   | Vertical                                                                                                                                                                                                    |
| Peak<br>Avg. |  <p>Site : 03CH11-4Y<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02</p> |  <p>Site : 03CH11-4Y<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p> |

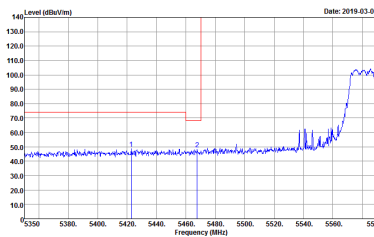
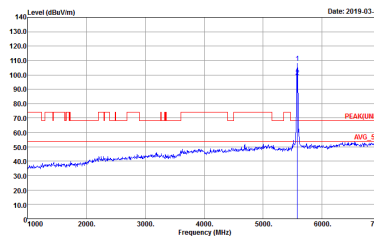
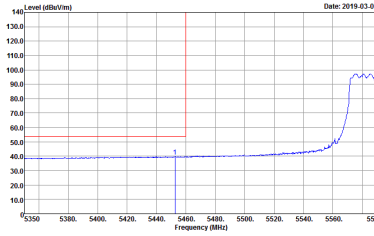


**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

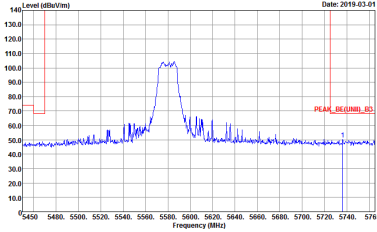
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p>    | Left blank                                                                                                                                                                                                                                                                       |



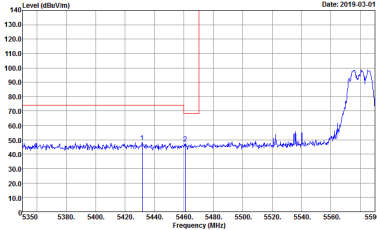
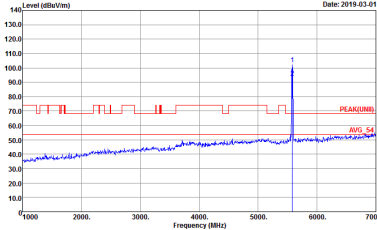
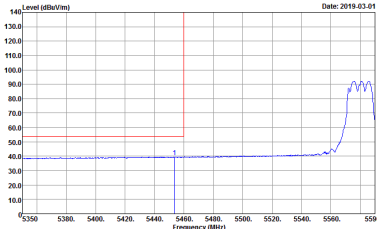
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                              |                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                           |                                                                                                                                                           |
| 1+2  | Vertical                                                                                                                                                        | Fundamental                                                                                                                                               |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div>  | Left blank                                                                                                                                                |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                     |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                     |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p>  |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02         </p> | Left blank                                                                                                                                                                                                                                                          |

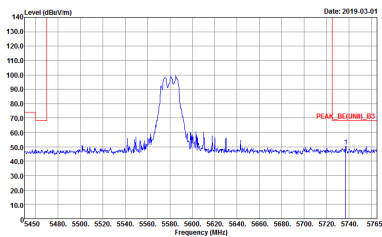


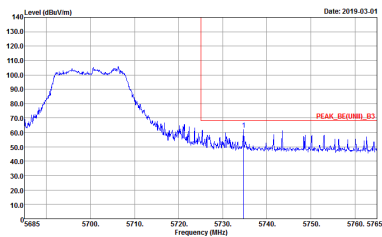
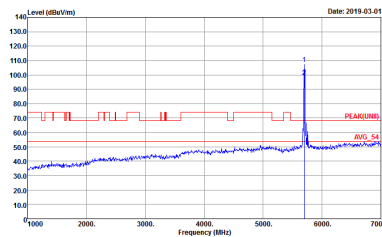
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                                   |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : USCH11-A-V<br/>Condition : PEAK_REC(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02</p></div> | Left blank  |



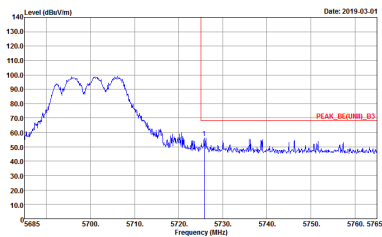
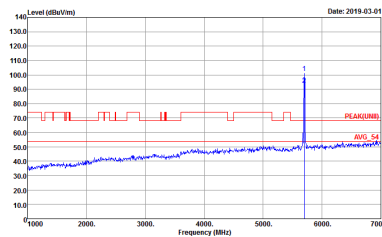
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                    |                                                                                                                                                                                                                        |
| 1+2  | Vertical                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02</p></div> | Left blank                                                                                                                                                                                                             |



|      |                                                                                                                                                                                                                                                                          |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                       |             |
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                                |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                 | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT), B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02</p></div> | Left blank  |

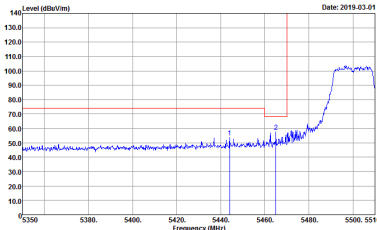
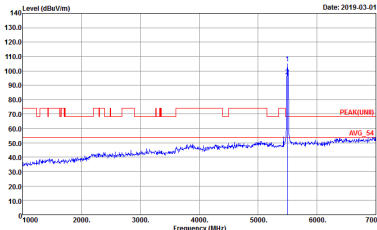
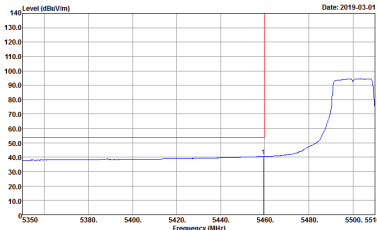
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH11-14Y<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> |  <p>Site : 03CH11-14Y<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> |



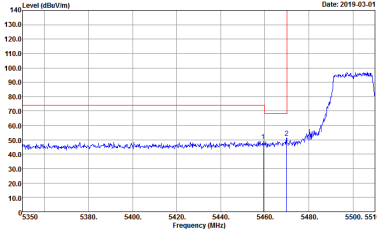
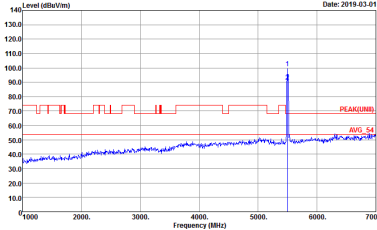
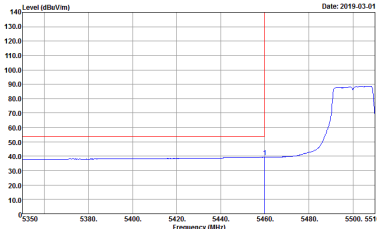
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                              |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                              |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-14Y<br/>Condition : PEAK_RECMBL.D3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | <div><p>Site : 03CH11-14Y<br/>Condition : PEAK_RECMBL.D3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |

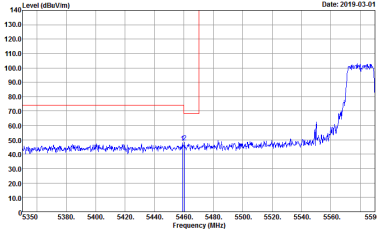
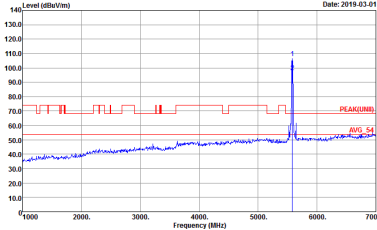
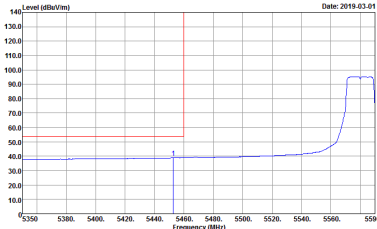


Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

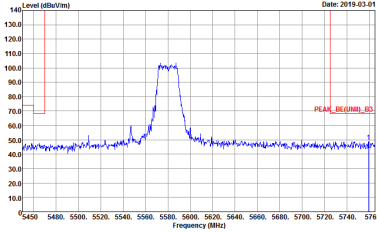
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                        |                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                |                                                                                                                                                                                                                                     |
| 1+2  | Horizontal                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p> | Left blank                                                                                                                                                                                                                          |



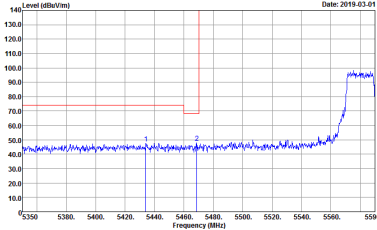
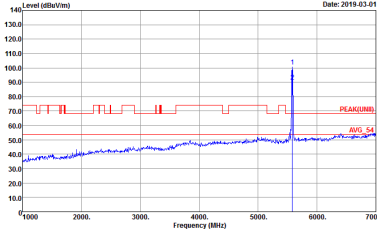
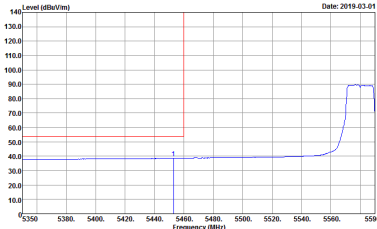
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> | Left blank                                                                                                                                                                                                                                  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                        |                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                            |                                                                                                                                                                                                                                     |
| 1+2  | Horizontal                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p> | Left blank                                                                                                                                                                                                                          |

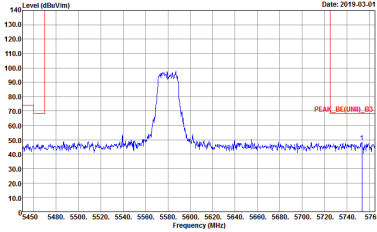


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                                                  |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT), B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |

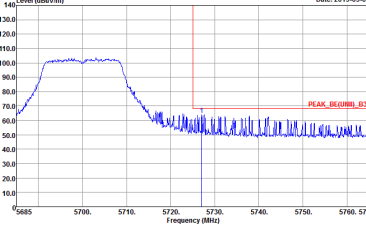
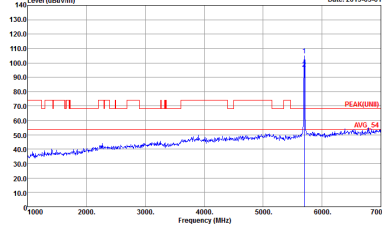


|      |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank                                                                                                                                                                                                                                  |

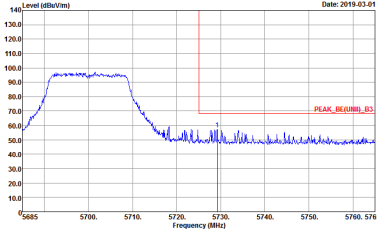
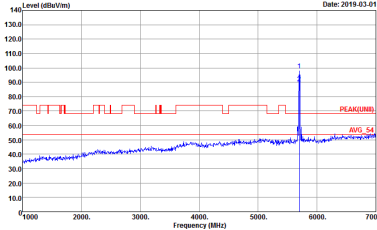


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                                               |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1E</p></div> | Left blank  |



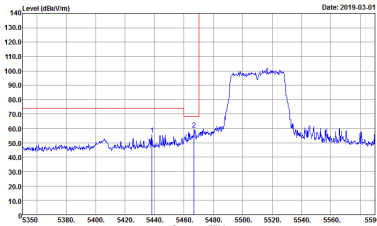
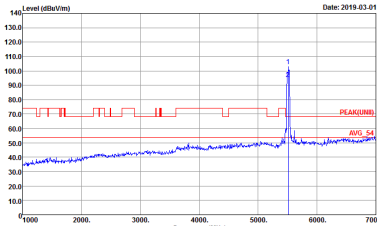
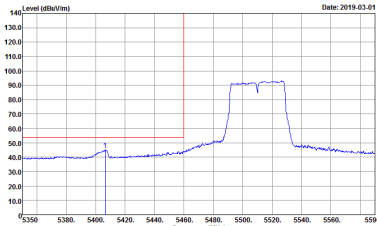
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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                             |
| ANT  | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH11-14Y<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1B</p></div> | <div><p>Site : 03CH11-14Y<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1B</p></div> |



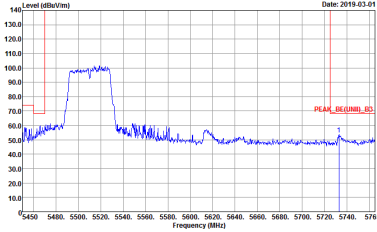
|       |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                              |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI  | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                              |
| ANT   | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                              |
| 1+2   | Vertical                                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                                  |
| Peak. | <div><p>Site : 03CH11-14Y<br/>Condition : PEAK_RECMBL.D3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1B</p></div> | <div><p>Site : 03CH11-14Y<br/>Condition : PEAK_RECMBL.D3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1B</p></div> |



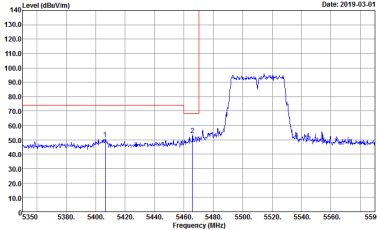
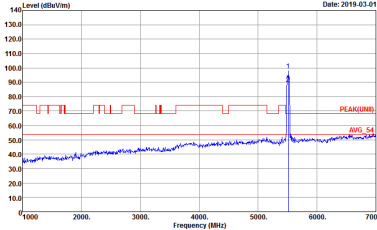
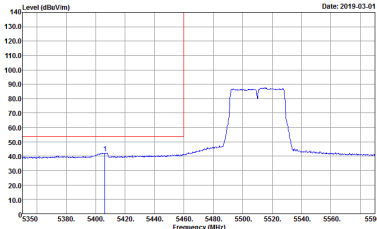
Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                        |                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                            |                                                                                                                                                                                                                                     |
| 1+2  | Horizontal                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p> | Left blank                                                                                                                                                                                                                          |

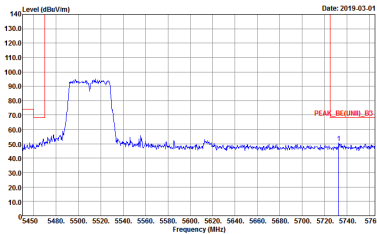


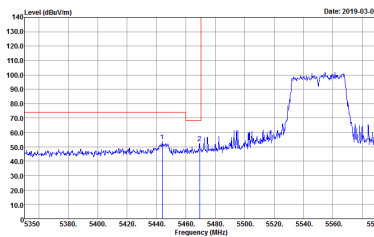
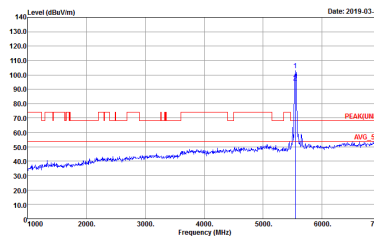
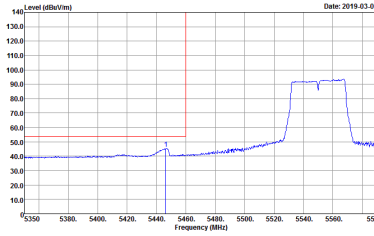
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                                                                  |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |



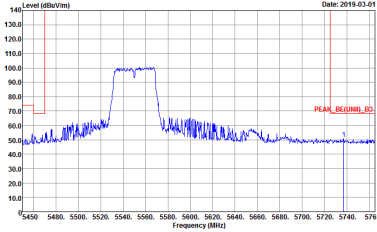
|      |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> | Left blank                                                                                                                                                                                                                                  |



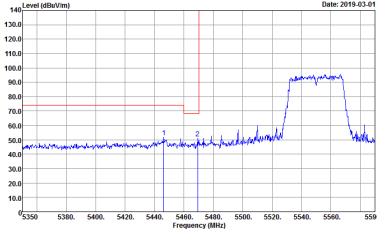
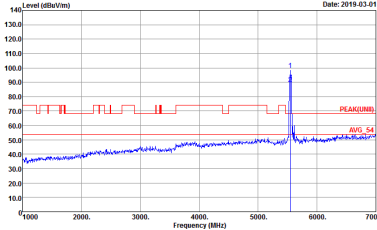
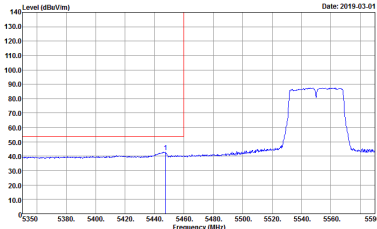
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                                                                |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                     |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1D         </p>  |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1D         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1D         </p> | Left blank                                                                                                                                                                                                                                                                                          |

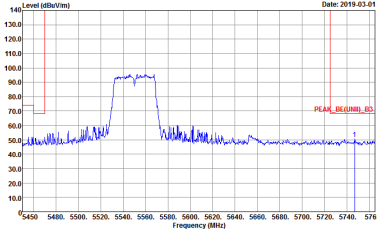


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                                                  |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT), B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |

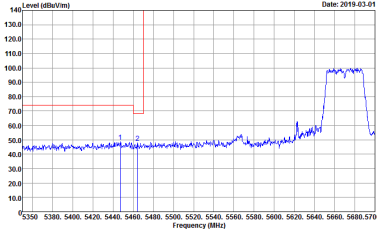
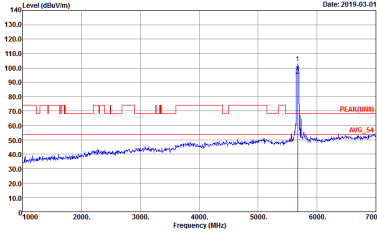
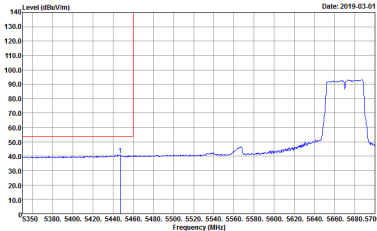


|             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WIFI</b> | <b>Band 3 5470~5725MHz Band Edge @ 3m</b>                                                                                                                                                                                                         |                                                                                                                                                                                                                                             |
| <b>ANT</b>  | <b>802.11n HT40 CH110 5550MHz - L</b>                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
| <b>1+2</b>  | <b>Vertical</b>                                                                                                                                                                                                                                   | <b>Fundamental</b>                                                                                                                                                                                                                          |
| <b>Peak</b> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> |
| <b>Avg.</b> | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> | <b>Left blank</b>                                                                                                                                                                                                                           |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                             |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                                                 |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT1), B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |

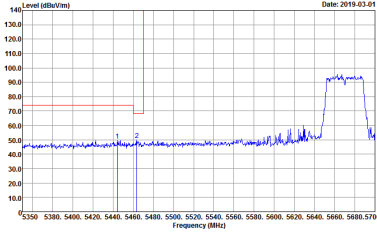
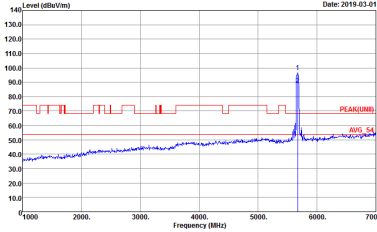
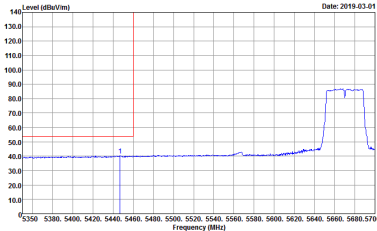


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                  |                                                                                                                                                                                                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                      |                                                                                                                                                                                                                                               |
| 1+2  | Horizontal                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank                                                                                                                                                                                                                                    |

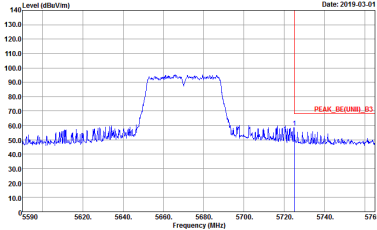


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                 |             |
| 1+2  | Horizontal                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH11-4V<br/>Condition : PEAK_REC(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |

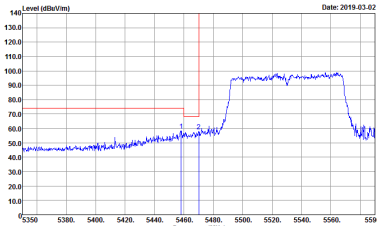
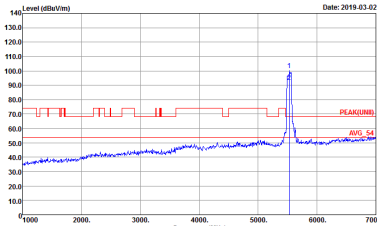
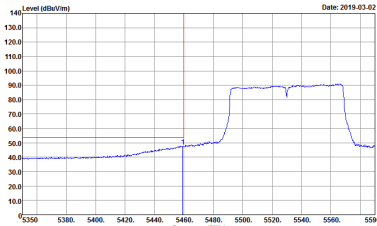


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p></div> | Left blank                                                                                                                                                                                                                                  |

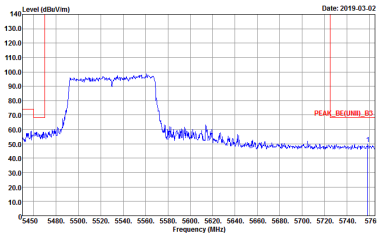


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                                                |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT1)_B3 3m HCRN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |

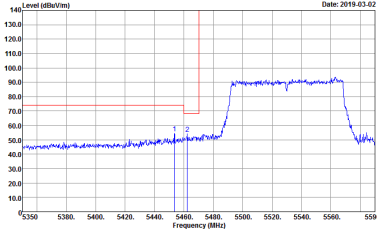
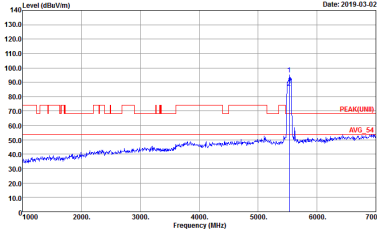
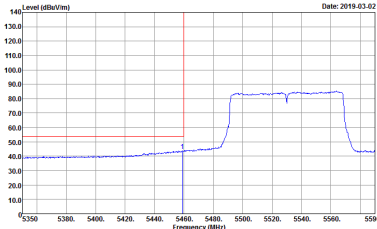
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH106 5530MHz - L                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                     |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                                         |
| <b>Peak</b> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1D         </p>  |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1D         </p> |
| <b>Avg.</b> |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 802423-02<br/>           Setting : 0 X 1D         </p> | <b>Left blank</b>                                                                                                                                                                                                                                                                                   |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - R                                                                                                                                                                                                                                                                |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : USCH11-4V<br/>Condition : PEAK_BE(UNIT), B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - L                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |
| 1+2  | Vertical                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 1D</p> | Left blank                                                                                                                                                                                                                        |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - R                                                                                                                               |             |
| 1+2  | Vertical                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-4V<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 802423-02<br/>Setting : 0 X 10</p></div> | Left blank  |