



# FCC RF Test Report

APPLICANT : SHARP CORPORATION, IOT COMMUNICATION BU  
EQUIPMENT : SMART PHONE  
BRAND NAME : NTT DOCOMO  
MODEL NAME : SH-03J  
FCC ID : APYHRO00248  
STANDARD : FCC Part 15 Subpart E §15.407  
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Apr. 01, 2017 and testing was completed on May 04, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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Reviewed by: Joseph Lin / Supervisor

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Approved by: Jones Tsai / Manager



## SPORTON INTERNATIONAL INC.

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FCC ID : APYHRO00248

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Report Issued Date : Jun. 02, 2017

Report Version : Rev. 01

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## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FR740120E  | Rev. 01 | Initial issue of report | Jun. 02, 2017 |
|            |         |                         |               |
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## SUMMARY OF TEST RESULT

| Report Section | FCC Rule              | Description                            | Limit                                             | Result | Remark                                    |
|----------------|-----------------------|----------------------------------------|---------------------------------------------------|--------|-------------------------------------------|
| 3.1            | 2.1049<br>15.403(i)   | 26dB & 99% Bandwidth                   | -                                                 | Pass   | -                                         |
| 3.2            | 15.407(a)             | Maximum Conducted Output Power         | FCC<br>$\leq 24$ dBm<br>(depend on band)          | Pass   | -                                         |
| 3.3            | 15.407(a)             | Power Spectral Density                 | FCC<br>$\leq 11$ dBm<br>(depend on band)          | Pass   | -                                         |
| 3.4            | 15.407(b)             | Unwanted Emissions                     | $\leq -17, -27$ dBm<br>(depend on band)&15.209(a) | Pass   | Under limit<br>3.59 dB at<br>5353.680 MHz |
| 3.5            | 15.207                | AC Conducted Emission                  | 15.207(a)                                         | Pass   | Under limit<br>15.0 dB at<br>0.150 MHz    |
| 0              | 15.407(g)             | Frequency Stability                    | Within Operation Band                             | Pass   | -                                         |
| 3.7            | 15.407(c)             | Automatically Discontinue Transmission | Discontinue Transmission                          | Pass   | -                                         |
| 3.8            | 15.203 &<br>15.407(a) | Antenna Requirement                    | N/A                                               | Pass   | -                                         |

# 1 General Description

## 1.1 Applicant

SHARP CORPORATION, IoT Communication BU

2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan

## 1.2 Manufacturer

SHARP CORPORATION, IoT Communication BU

2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan

## 1.3 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GPS

| Product Specification subjective to this standard |                                                                                                                                  |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Sample 1                                          | EUT with Memory 1                                                                                                                |
| Sample 2                                          | EUT with Memory 2                                                                                                                |
| Antenna Type                                      | WWAN: ILA Antenna<br>WLAN: ILA Antenna<br>Bluetooth: ILA Antenna<br>GPS/Glonass/Beidou/Galileo: ILA Antenna<br>NFC: Loop Antenna |

## 1.4 Modification of EUT

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



## 1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

|                           |                                                                                                                                                                  |         |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC.                                                                                                                                       |         |
| <b>Test Site Location</b> | No. 52, Hwa Ya 1 <sup>st</sup> Rd., Hwa Ya Technology Park,<br>Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |         |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                                          |         |
|                           | TH05-HY                                                                                                                                                          | CO05-HY |

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

|                           |                                                                                                                                        |  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC.                                                                                                             |  |
| <b>Test Site Location</b> | No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |  |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                |  |
|                           | 03CH10-HY                                                                                                                              |  |

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



## **1.6 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 v01r04.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 644545 D03 Guidance for IEEE 802.11ac New Rules v01
- ♦ 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).
- 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.<br>(MHz) | Channel | Freq.<br>(MHz) |
|----------------|------------------|----------------|---------|----------------|
| TDWR Channel   | 118*             | 5590           | 124     | 5620           |
|                | 120              | 5600           | 126*    | 5630           |
|                | 122 <sup>#</sup> | 5610           | 128     | 5640           |

**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 mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

### Single Antenna

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

### MIMO Antenna

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

| Test Cases                                                                        |                                                                                                                                       |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                      | Mode 1 : GSM1900 Idle + Bluetooth Link + WLAN (5GHz) Link + Earphone + USB Cable (Charging from Adapter) + Camera (Rear) for Sample 1 |
| <b>Remark:</b> For Radiated Test Cases, The tests were performance with Sample 1. |                                                                                                                                       |



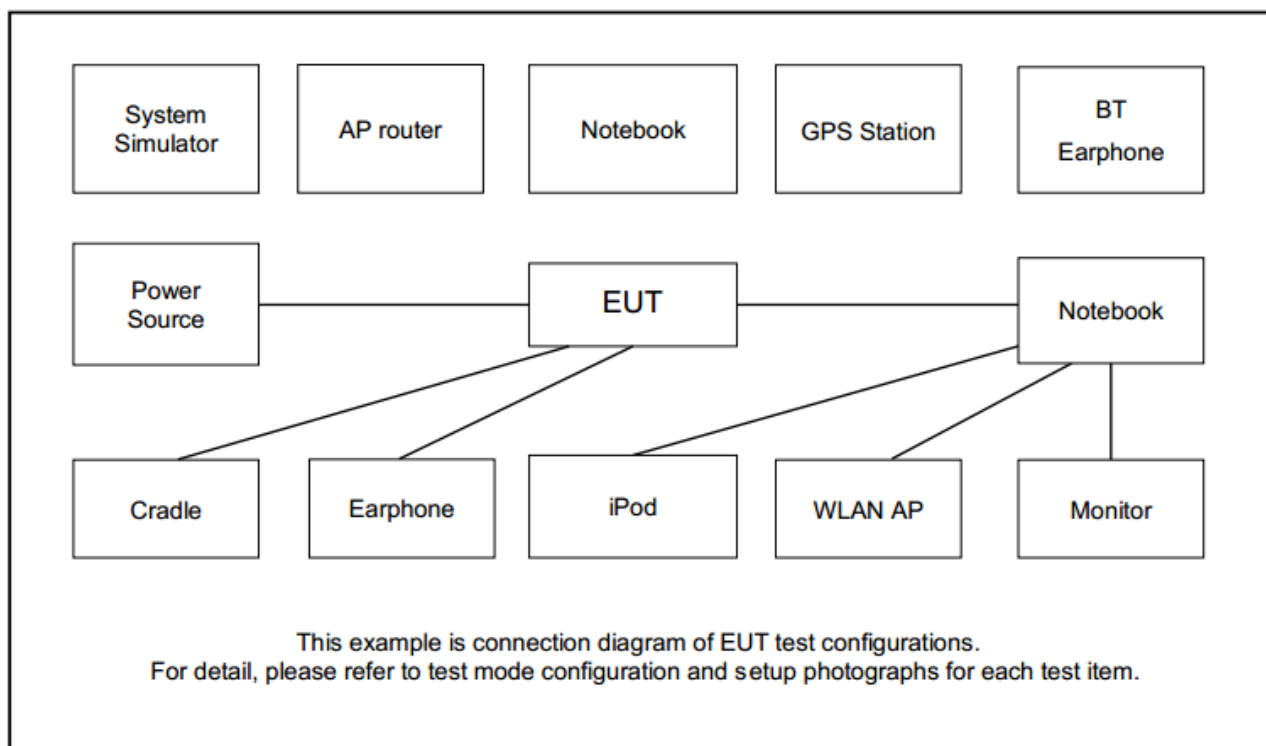
| Ch. # |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|-------|--------|------------------------|-------------------------|-------------------------|
|       |        | 802.11a                | 802.11a                 | 802.11a                 |
| L     | Low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

| 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                     |

| 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                     |

| 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    | -                      | -                       | -                       |
| M     | Middle | 42                     | 58                      | 106                     |
| H     | High   | -                      | -                       | -                       |

## 2.3 Connection Diagram of Test System



## 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.   | Bluetooth Earphone | Sony Ericsson | MW600          | PY7DDA-2029                                  | N/A        | N/A                                                        |
| 3.   | WLAN AP            | ASUS          | RT-AC66U       | MSQ-RTAC66U                                  | N/A        | Unshielded, 1.8 m                                          |
| 4.   | Notebook           | DELL          | Latitude E6320 | FCC DoC/<br>Contains FCC ID:<br>QDS-BRCM1054 | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>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, programmed RF utility, "Tera Term" installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

#### 3.1 26dB & 99% Occupied Bandwidth Measurement

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

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

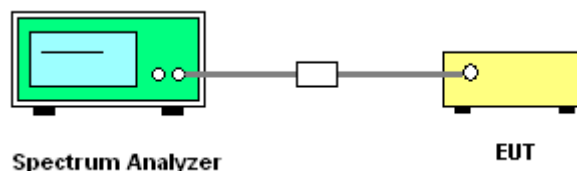
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW)  $\geq 3 * \text{RBW}$ .
8. Measure and record the results in the test report.

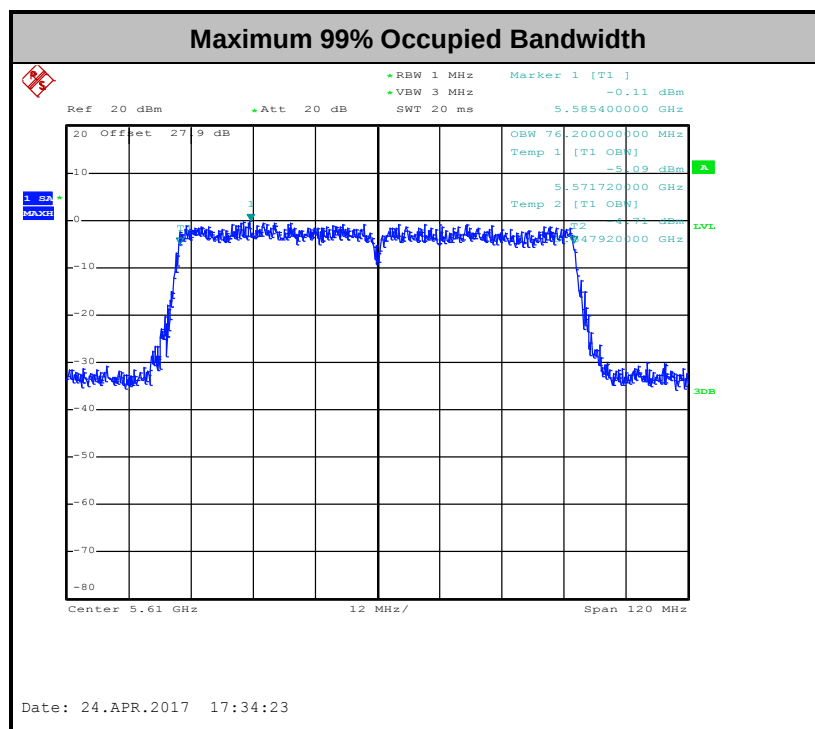
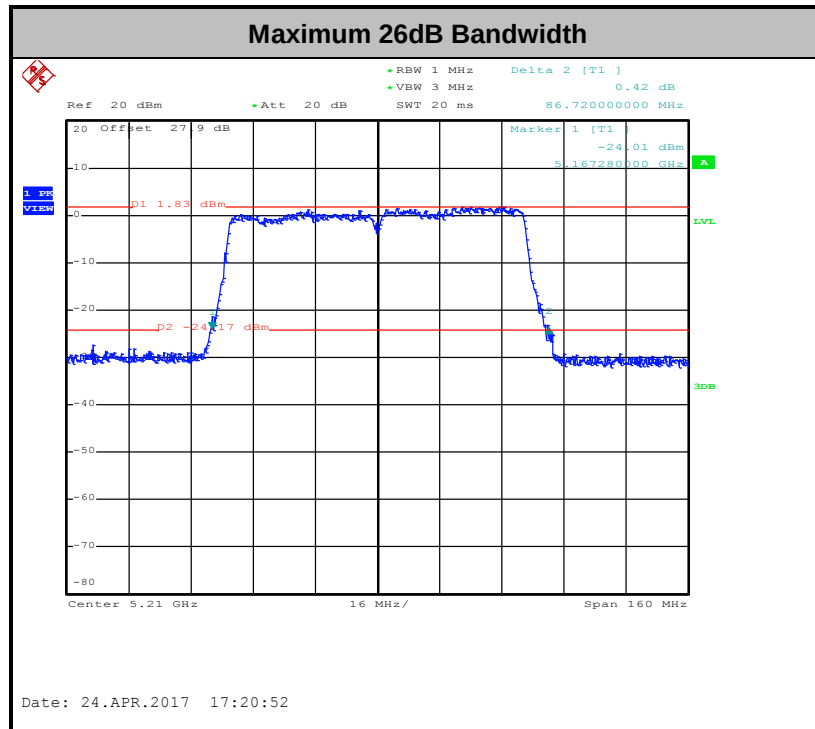
##### 3.1.4 Test Setup





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

Please refer to Appendix A.



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



## **3.2 Maximum Conducted Output Power Measurement**

### **3.2.1 Limit of Maximum Conducted Output Power**

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 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.

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**

The measuring equipment is listed in the section 4 of this test report.



### 3.2.3 Test Procedures

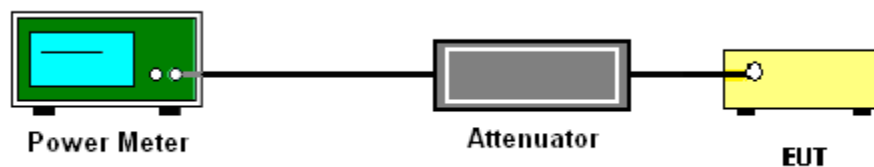
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 for CDD modes.

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.

### 3.2.4 Test Setup

For normal channel:



### 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**

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

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

#### **3.3.2 Measuring Instruments**

The measuring equipment is listed in the section 4 of this test report.

#### **3.3.3 Test Procedures**

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.  
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).

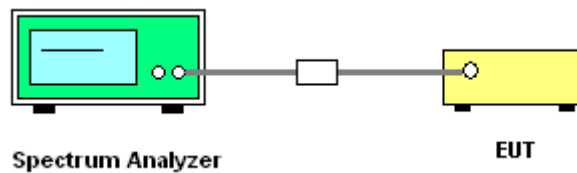
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW  $\geq$  3 MHz.
- Number of points in sweep  $\geq$  2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add  $10 \log(1/x)$ , 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 PSD 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.

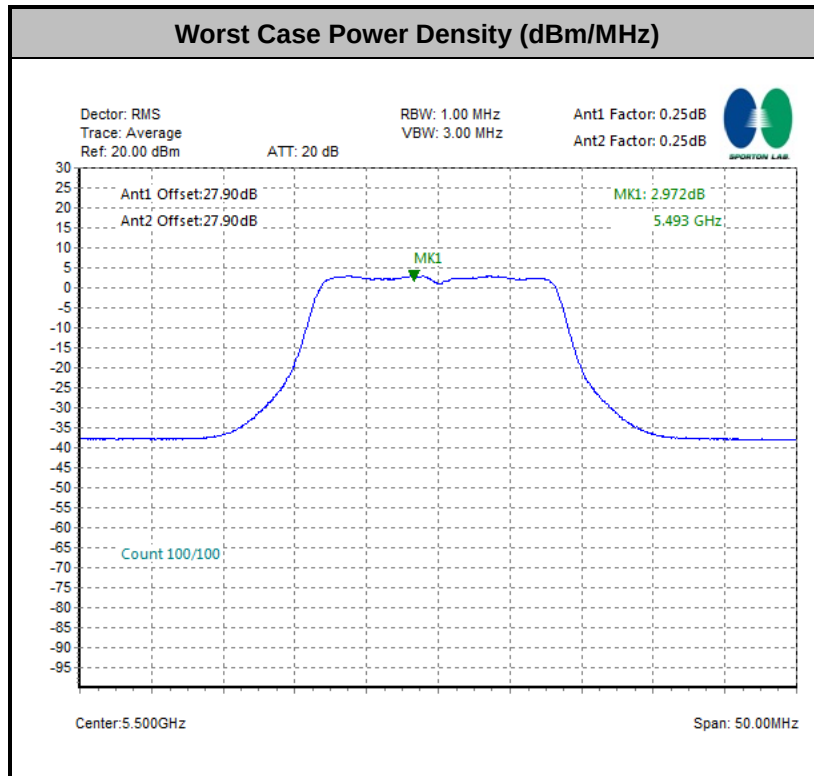
### 3.3.4 Test Setup





### 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 per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 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) |
|------------|-------------------------------|
| -17        | 78.3                          |
| - 27       | 68.3                          |

(3) KDB789033 D02 v01r04 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

The measuring equipment is listed in the section 4 of this test report.



### 3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

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

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

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

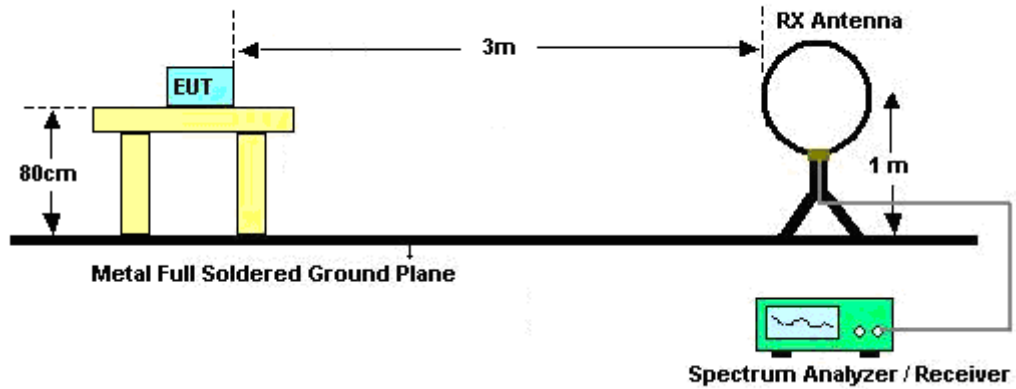


2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

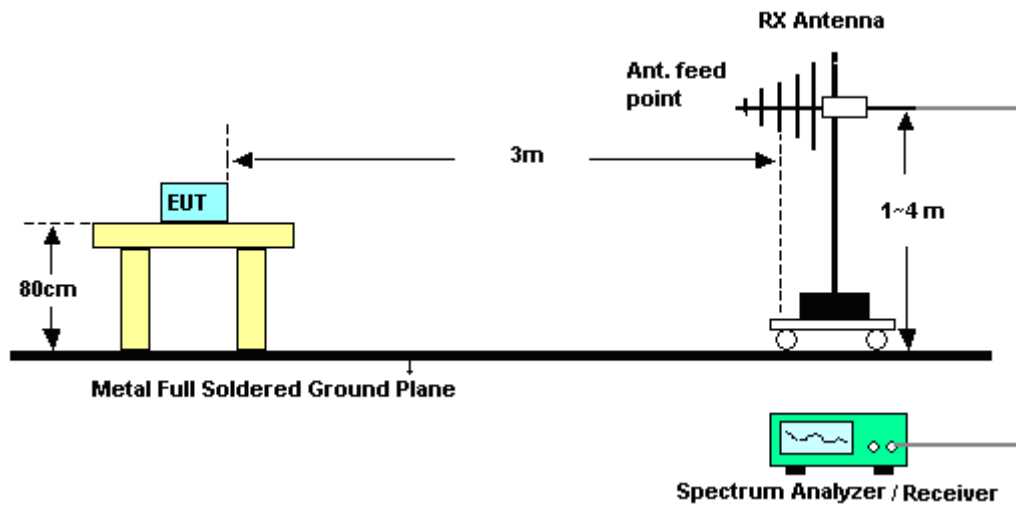


### 3.4.4 Test Setup

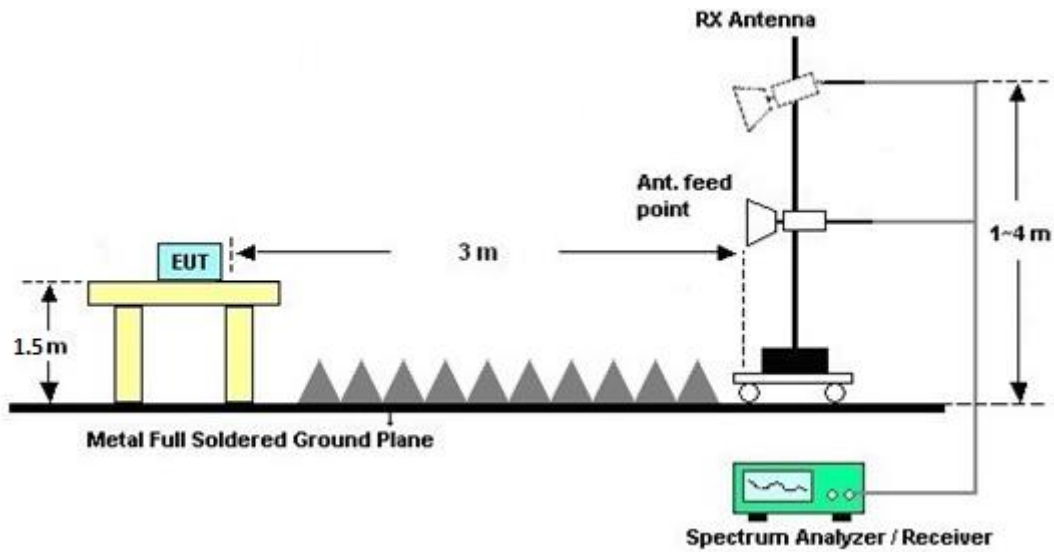
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

### 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.

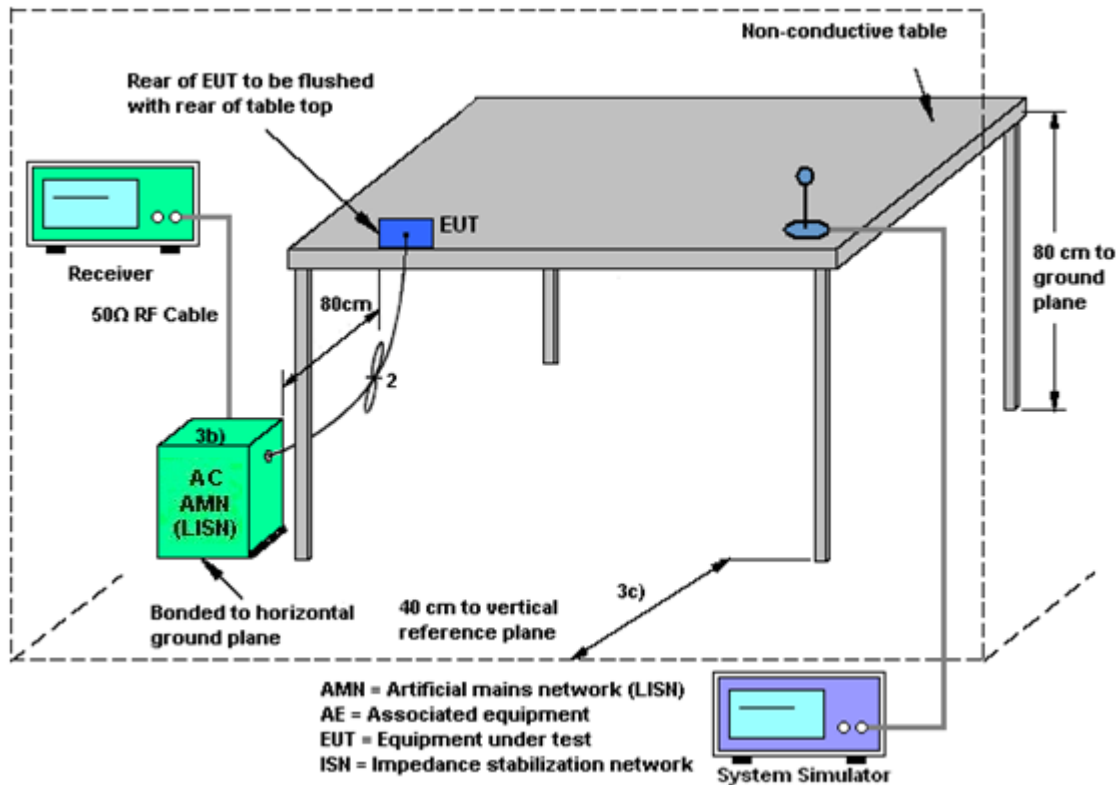
#### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 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 Frequency Stability Measurement**

### **3.6.1 Limit of Frequency Stability**

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

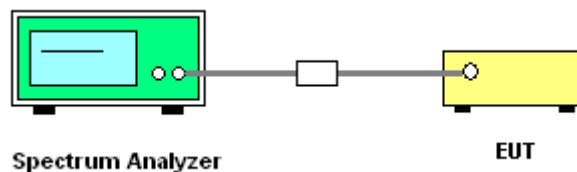
### **3.6.2 Measuring Instruments**

The measuring equipment is listed in the section 4 of this test report.

### **3.6.3 Test Procedures**

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

### **3.6.4 Test Setup**



### **3.6.5 Test Result of Frequency Stability**

Please refer to Appendix A.



## **3.7 Automatically Discontinue Transmission**

### **3.7.1 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.

### **3.7.2 Measuring Instruments**

The measuring equipment is listed in the section 4 of this test report.

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

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

## 3.8 Antenna Requirements

### 3.8.1 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.

### 3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

### 3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain =  $G_{ANT}$  + Array Gain, where Array Gain is as follows.

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

Array Gain =  $10 \log(N_{ANT}/N_{SS}=1)$  dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with  $G_{ANT}$  set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain  $G_{ANT}$  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.

|          |                |                | DG<br>for<br>Power<br>(dBi) | DG<br>for<br>PSD<br>(dBi) | Power<br>Limit<br>Reduction<br>(dB) | PSD<br>Limit<br>Reduction<br>(dB) |
|----------|----------------|----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------------------|
|          | Ant 1<br>(dBi) | Ant 2<br>(dBi) |                             |                           |                                     |                                   |
| Band I   | -1.90          | -5.30          | -1.90                       | -0.42                     | 0.00                                | 0.00                              |
| Band II  | -1.90          | -5.30          | -1.90                       | -0.42                     | 0.00                                | 0.00                              |
| Band III | -1.90          | -5.30          | -1.90                       | -0.42                     | 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                |
|---------------------------|-----------------|---------------------------------|-----------------|-------------------|------------------|-------------------------------|---------------|-----------------------|
| Power Meter               | Anritsu         | ML2495A                         | 0932001         | 300MHz~40GHz      | Sep. 29, 2016    | Apr. 14, 2017 ~ May 04, 2017  | Sep. 28, 2017 | Conducted (TH05-HY)   |
| Power Sensor              | Anritsu         | MA2411B                         | 0846202         | 300MHz~40GHz      | Sep. 29, 2016    | Apr. 14, 2017 ~ May 04, 2017  | Sep. 28, 2017 | Conducted (TH05-HY)   |
| Spectrum Analyzer         | Rohde & Schwarz | FSP40                           | 100055          | 9kHz-40GHz        | Jul. 17, 2016    | Apr. 14, 2017 ~ May 04, 2017  | Jul. 16, 2017 | Conducted (TH05-HY)   |
| Temperature Chamber       | ESPEC           | SH-641                          | 92013720        | -40℃ ~90℃         | Sep. 01, 2016    | Apr. 14, 2017 ~ May 04, 2017  | Aug. 31, 2017 | Conducted (TH05-HY)   |
| Programmable Power Supply | GW Instek       | PSS-2005                        | EL890094        | 1V~20V<br>0.5A~5A | Oct. 11, 2016    | Apr. 14, 2017 ~ May 04, 2017  | Oct. 10, 2017 | Conducted (TH05-HY)   |
| AC Power Source           | AC POWER        | AFC-500W                        | F104070011      | 50Hz~60Hz         | Dec 01.2016      | Apr. 14, 2017 ~ May 04, 2017  | Nov 30 2017   | Conducted (TH05-HY)   |
| AC Power Source           | ChainTek        | APC-1000W                       | N/A             | N/A               | N/A              | Apr. 29, 2017                 | N/A           | Conduction (CO05-HY)  |
| EMI Test Receiver         | Rohde & Schwarz | ESCI 7                          | 100724          | 9kHz~7GHz         | Aug. 30, 2016    | Apr. 29, 2017                 | Aug. 29, 2017 | Conduction (CO05-HY)  |
| LISN                      | Rohde & Schwarz | ENV216                          | 100080          | 9kHz~30MHz        | Nov. 29, 2016    | Apr. 29, 2017                 | Nov. 28, 2017 | Conduction (CO05-HY)  |
| Amplifier                 | SONOMA          | 310N                            | 187311          | 9kHz~1GHz         | Oct. 26, 2016    | Apr. 21, 2017 ~ Apr. 28, 2017 | Oct. 25, 2017 | Radiation (03CH10-HY) |
| Bilog Antenna             | TESEQ           | CBL<br>6111D&00800<br>N1D01N-06 | 35413&02        | 30MHz~1GHz        | Jan. 07, 2017    | Apr. 21, 2017 ~ Apr. 28, 2017 | Jan. 06, 2018 | Radiation (03CH10-HY) |
| Horn Antenna              | SCHWARZBECK     | BBHA 9120 D                     | 9120D-1325      | 1GHz ~ 18GHz      | Sep. 30, 2016    | Apr. 21, 2017 ~ Apr. 28, 2017 | Sep. 29, 2017 | Radiation (03CH10-HY) |
| Preamplifier              | Keysight        | 83017A                          | MY53270078      | 1GHz~26.5GHz      | Oct. 26, 2016    | Apr. 21, 2017 ~ Apr. 28, 2017 | Oct. 25, 2017 | Radiation (03CH10-HY) |
| Spectrum Analyzer         | Keysight        | N9010A                          | MY54200485      | 10Hz ~ 44GHz      | Oct. 17, 2016    | Apr. 21, 2017 ~ Apr. 28, 2017 | Oct. 16, 2017 | Radiation (03CH10-HY) |
| Antenna Mast              | EMEC            | AM-BS-4500-B                    | N/A             | 1~4m              | N/A              | Apr. 21, 2017 ~ Apr. 28, 2017 | N/A           | Radiation (03CH10-HY) |
| Turn Table                | EMEC            | TT 2200                         | N/A             | 0~360 Degree      | N/A              | Apr. 21, 2017 ~ Apr. 28, 2017 | N/A           | Radiation (03CH10-HY) |
| Loop Antenna              | Rohde & Schwarz | HFH2-Z2                         | 100488          | 9 kHz~30 MHz      | Oct. 20, 2016    | Apr. 21, 2017 ~ Apr. 28, 2017 | Oct. 19, 2018 | Radiation (03CH10-HY) |
| EMI Test Receiver         | Keysight        | N9038A(MXE)                     | MY55420170      | N/A               | Mar. 03, 2017    | Apr. 21, 2017 ~ Apr. 28, 2017 | Mar. 02, 2018 | Radiation (03CH10-HY) |
| Preamplifier              | MITEQ           | AMF-7D-0010<br>1800             | 2025787         | 1GHz~18GHz        | Feb. 13, 2017    | Apr. 21, 2017 ~ Apr. 28, 2017 | Feb. 12, 2019 | Radiation (03CH10-HY) |
| Preamplifier              | MITEQ           | JS44-1800400<br>0-33-8P         | 1840917         | 18GHz ~ 40GHz     | Jun. 14, 2016    | Apr. 21, 2017 ~ Apr. 28, 2017 | Jun. 13, 2017 | Radiation (03CH10-HY) |
| SHF-EHF Horn Antenna      | SCHWARZBECK     | BBHA 9170                       | BBHA917058<br>4 | 18GHz- 40GHz      | Nov. 08, 2016    | Apr. 21, 2017 ~ Apr. 28, 2017 | Nov. 07, 2017 | Radiation (03CH10-HY) |



## 5 Uncertainty of Evaluation

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

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 2.70 |
|----------------------------------------------------------------------------|------|

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

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 5.60 |
|----------------------------------------------------------------------------|------|

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

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 5.90 |
|----------------------------------------------------------------------------|------|

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

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

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

|                |                    |                    |       |    |
|----------------|--------------------|--------------------|-------|----|
| Test Engineer: | Allen Lin          | Temperature:       | 21~25 | °C |
| Test Date:     | 2017/4/14~2017/5/4 | 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) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|        |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 |      |
| 11a    | 6Mbps     | 2   | 36  | 5180        | 17.90               | 17.65 | 24.40                 | 23.50 | -                                  | -     | 22.47                             | -     |      |
| 11a    | 6Mbps     | 2   | 44  | 5220        | 18.05               | 17.80 | 24.70                 | 23.70 | -                                  | -     | 22.50                             | -     |      |
| 11a    | 6Mbps     | 2   | 48  | 5240        | 18.05               | 17.80 | 24.70                 | 23.80 | -                                  | -     | 22.50                             | -     |      |
| HT20   | MCS0      | 2   | 36  | 5180        | 19.05               | 19.00 | 25.40                 | 24.90 | -                                  | -     | 22.79                             | -     |      |
| HT20   | MCS0      | 2   | 44  | 5220        | 18.95               | 19.00 | 25.60                 | 25.20 | -                                  | -     | 22.78                             | -     |      |
| HT20   | MCS0      | 2   | 48  | 5240        | 19.10               | 18.95 | 25.35                 | 25.10 | -                                  | -     | 22.78                             | -     |      |
| HT40   | MCS0      | 2   | 38  | 5190        | 37.00               | 36.90 | 43.38                 | 43.20 | -                                  | -     | 23.01                             | -     |      |
| HT40   | MCS0      | 2   | 46  | 5230        | 36.90               | 36.80 | 43.20                 | 42.70 | -                                  | -     | 23.01                             | -     |      |
| VHT80  | MCS0      | 2   | 42  | 5210        | 76.08               | 76.08 | 86.72                 | 84.48 | -                                  | -     | 23.01                             | -     |      |

**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        | 0.25             | 0.25  | 10.45                         | 10.35 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 0.25             | 0.25  | 10.37                         | 10.05 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 0.25             | 0.25  | 10.51                         | 10.08 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| HT20       | MCS0      | 1   | 36  | 5180        | 0.27             | 0.27  | 10.91                         | 10.39 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| HT20       | MCS0      | 1   | 44  | 5220        | 0.27             | 0.27  | 10.41                         | 10.13 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| HT20       | MCS0      | 1   | 48  | 5240        | 0.27             | 0.27  | 10.82                         | 10.09 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| HT40       | MCS0      | 1   | 38  | 5190        | 0.48             | 0.49  | 10.98                         | 10.51 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| HT40       | MCS0      | 1   | 46  | 5230        | 0.48             | 0.49  | 10.43                         | 10.29 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| VHT20      | MCS0      | 1   | 36  | 5180        | 0.27             | 0.27  | 11.00                         | 10.45 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| VHT20      | MCS0      | 1   | 44  | 5220        | 0.27             | 0.27  | 10.37                         | 10.07 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| VHT20      | MCS0      | 1   | 48  | 5240        | 0.27             | 0.27  | 10.89                         | 10.31 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| VHT40      | MCS0      | 1   | 38  | 5190        | 0.46             | 0.49  | 11.03                         | 10.53 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| VHT40      | MCS0      | 1   | 46  | 5230        | 0.46             | 0.49  | 10.40                         | 10.27 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| VHT80      | MCS0      | 1   | 42  | 5210        | 0.21             | 0.20  | 10.88                         | 10.35 |       | 21.00                           | 21.00 | -1.90    | -5.30 | Pass      |
| 11a        | 6Mbps     | 2   | 36  | 5180        | 0.25             | 0.25  | 10.77                         | 10.37 | 13.59 | 21.00                           |       | -1.90    |       | Pass      |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 0.25             | 0.25  | 10.50                         | 10.07 | 13.30 | 21.00                           |       | -1.90    |       | Pass      |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 0.25             | 0.25  | 10.65                         | 10.00 | 13.35 | 21.00                           |       | -1.90    |       | Pass      |
| HT20       | MCS0      | 2   | 36  | 5180        | 0.31             | 0.27  | 11.15                         | 10.33 | 13.77 | 21.00                           |       | -1.90    |       | Pass      |
| HT20       | MCS0      | 2   | 44  | 5220        | 0.31             | 0.27  | 10.46                         | 10.17 | 13.33 | 21.00                           |       | -1.90    |       | Pass      |
| HT20       | MCS0      | 2   | 48  | 5240        | 0.31             | 0.27  | 10.97                         | 10.08 | 13.56 | 21.00                           |       | -1.90    |       | Pass      |
| HT40       | MCS0      | 2   | 38  | 5190        | 0.49             | 0.57  | 11.04                         | 10.62 | 13.85 | 21.00                           |       | -1.90    |       | Pass      |
| HT40       | MCS0      | 2   | 46  | 5230        | 0.49             | 0.57  | 10.49                         | 10.32 | 13.42 | 21.00                           |       | -1.90    |       | Pass      |
| VHT20      | MCS0      | 2   | 36  | 5180        | 0.27             | 0.27  | 10.44                         | 10.34 | 13.40 | 21.00                           |       | -1.90    |       | Pass      |
| VHT20      | MCS0      | 2   | 44  | 5220        | 0.27             | 0.27  | 10.22                         | 10.17 | 13.20 | 21.00                           |       | -1.90    |       | Pass      |
| VHT20      | MCS0      | 2   | 48  | 5240        | 0.27             | 0.27  | 10.39                         | 10.21 | 13.31 | 21.00                           |       | -1.90    |       | Pass      |
| VHT40      | MCS0      | 2   | 38  | 5190        | 0.49             | 0.49  | 10.98                         | 10.53 | 13.78 | 21.00                           |       | -1.90    |       | Pass      |
| VHT40      | MCS0      | 2   | 46  | 5230        | 0.49             | 0.49  | 10.41                         | 10.28 | 13.36 | 21.00                           |       | -1.90    |       | Pass      |
| VHT80      | MCS0      | 2   | 42  | 5210        | 0.21             | 0.18  | 11.03                         | 10.62 | 13.84 | 21.00                           |       | -1.90    |       | 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        | 0.25             | 0.25  |                                 |       | 1.97  | 11.00                       | -0.42 |          |       | Pass |            |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 0.25             | 0.25  |                                 |       | 2.12  | 11.00                       | -0.42 |          |       | Pass |            |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 0.25             | 0.25  |                                 |       | 2.10  | 11.00                       | -0.42 |          |       | Pass |            |
| HT20       | MCS0      | 2   | 36  | 5180        | 0.31             | 0.27  |                                 |       | 1.61  | 11.00                       | -0.42 |          |       | Pass |            |
| HT20       | MCS0      | 2   | 44  | 5220        | 0.31             | 0.27  |                                 |       | 1.52  | 11.00                       | -0.42 |          |       | Pass |            |
| HT20       | MCS0      | 2   | 48  | 5240        | 0.31             | 0.27  |                                 |       | 1.82  | 11.00                       | -0.42 |          |       | Pass |            |
| HT40       | MCS0      | 2   | 38  | 5190        | 0.49             | 0.57  |                                 |       | -0.67 | 11.00                       | -0.42 |          |       | Pass |            |
| HT40       | MCS0      | 2   | 46  | 5230        | 0.49             | 0.57  |                                 |       | -0.80 | 11.00                       | -0.42 |          |       | Pass |            |
| VHT80      | MCS0      | 2   | 42  | 5210        | 0.21             | 0.18  |                                 |       | -2.85 | 11.00                       | -0.42 |          |       | Pass |            |

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

| Band II |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |                                      |       |      |
|---------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|         |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 18.00               | 17.65 | 24.70                 | 23.90 | 23.47                              |       | 29.47                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 17.85               | 17.75 | 24.40                 | 24.30 | 23.49                              |       | 29.49                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 17.90               | 17.90 | 24.50                 | 23.60 | 23.53                              |       | 29.53                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 52  | 5260        | 19.05               | 19.05 | 25.70                 | 25.73 | 23.80                              |       | 29.80                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 60  | 5300        | 19.10               | 18.85 | 25.55                 | 24.90 | 23.75                              |       | 29.75                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 64  | 5320        | 19.15               | 18.85 | 25.70                 | 24.85 | 23.75                              |       | 29.75                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 54  | 5270        | 36.80               | 37.00 | 43.20                 | 43.15 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 62  | 5310        | 36.80               | 36.80 | 43.02                 | 42.66 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80   | MCS0      | 2   | 58  | 5290        | 76.08               | 76.08 | 85.44                 | 85.72 | 23.98                              |       | 30.00                             |       | 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        | 0.25             | 0.25  | 10.48                         | 10.00 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| 11a         | 6Mbps     | 1   | 60  | 5300        | 0.25             | 0.25  | 10.43                         | 10.10 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| 11a         | 6Mbps     | 1   | 64  | 5320        | 0.25             | 0.25  | 10.44                         | 10.12 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT20        | MCS0      | 1   | 52  | 5260        | 0.27             | 0.27  | 10.79                         | 10.12 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT20        | MCS0      | 1   | 60  | 5300        | 0.27             | 0.27  | 10.40                         | 10.02 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT20        | MCS0      | 1   | 64  | 5320        | 0.27             | 0.27  | 10.83                         | 10.14 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT40        | MCS0      | 1   | 54  | 5270        | 0.48             | 0.49  | 10.99                         | 10.33 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT40        | MCS0      | 1   | 62  | 5310        | 0.48             | 0.49  | 10.44                         | 10.21 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT20       | MCS0      | 1   | 52  | 5260        | 0.27             | 0.27  | 10.78                         | 10.15 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT20       | MCS0      | 1   | 60  | 5300        | 0.27             | 0.27  | 10.32                         | 10.01 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT20       | MCS0      | 1   | 64  | 5320        | 0.27             | 0.27  | 10.79                         | 10.22 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT40       | MCS0      | 1   | 54  | 5270        | 0.46             | 0.49  | 10.96                         | 10.39 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT40       | MCS0      | 1   | 62  | 5310        | 0.46             | 0.49  | 10.38                         | 10.19 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT80       | MCS0      | 1   | 58  | 5290        | 0.21             | 0.20  | 10.77                         | 10.28 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| 11a         | 6Mbps     | 2   | 52  | 5260        | 0.25             | 0.25  | 10.64                         | 9.95  | 13.32 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| 11a         | 6Mbps     | 2   | 60  | 5300        | 0.25             | 0.25  | 10.70                         | 9.70  | 13.24 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| 11a         | 6Mbps     | 2   | 64  | 5320        | 0.25             | 0.25  | 10.75                         | 9.95  | 13.38 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT20        | MCS0      | 2   | 52  | 5260        | 0.31             | 0.27  | 10.83                         | 10.08 | 13.48 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT20        | MCS0      | 2   | 60  | 5300        | 0.31             | 0.27  | 10.47                         | 10.07 | 13.29 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT20        | MCS0      | 2   | 64  | 5320        | 0.31             | 0.27  | 11.02                         | 9.91  | 13.51 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT40        | MCS0      | 2   | 54  | 5270        | 0.49             | 0.57  | 11.22                         | 10.33 | 13.81 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT40        | MCS0      | 2   | 62  | 5310        | 0.49             | 0.57  | 10.50                         | 10.39 | 13.46 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT20       | MCS0      | 2   | 52  | 5260        | 0.27             | 0.27  | 10.14                         | 10.22 | 13.19 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT20       | MCS0      | 2   | 60  | 5300        | 0.27             | 0.27  | 10.47                         | 9.97  | 13.23 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT20       | MCS0      | 2   | 64  | 5320        | 0.27             | 0.27  | 10.54                         | 10.23 | 13.40 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT40       | MCS0      | 2   | 54  | 5270        | 0.49             | 0.49  | 11.11                         | 10.42 | 13.79 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT40       | MCS0      | 2   | 62  | 5310        | 0.49             | 0.49  | 10.39                         | 10.24 | 13.33 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT80       | MCS0      | 2   | 58  | 5290        | 0.21             | 0.18  | 10.78                         | 10.28 | 13.55 | 23.98                           |       | -1.90    |       | 26.99                  | 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        | 0.25             | 0.25  |                                 |       | 1.91  | 11.00                       | -0.42 |          |       | Pass |            |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 0.25             | 0.25  |                                 |       | 1.48  | 11.00                       | -0.42 |          |       | Pass |            |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 0.25             | 0.25  |                                 |       | 1.85  | 11.00                       | -0.42 |          |       | Pass |            |
| HT20    | MCS0      | 2   | 52  | 5260        | 0.31             | 0.27  |                                 |       | 1.77  | 11.00                       | -0.42 |          |       | Pass |            |
| HT20    | MCS0      | 2   | 60  | 5300        | 0.31             | 0.27  |                                 |       | 1.68  | 11.00                       | -0.42 |          |       | Pass |            |
| HT20    | MCS0      | 2   | 64  | 5320        | 0.31             | 0.27  |                                 |       | 1.69  | 11.00                       | -0.42 |          |       | Pass |            |
| HT40    | MCS0      | 2   | 54  | 5270        | 0.49             | 0.57  |                                 |       | -0.86 | 11.00                       | -0.42 |          |       | Pass |            |
| HT40    | MCS0      | 2   | 62  | 5310        | 0.49             | 0.57  |                                 |       | -1.24 | 11.00                       | -0.42 |          |       | Pass |            |
| VHT80   | MCS0      | 2   | 58  | 5290        | 0.21             | 0.18  |                                 |       | -4.30 | 11.00                       | -0.42 |          |       | Pass |            |



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

| Band III |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |                                      |       |      |
|----------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|          |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 18.00               | 17.80 | 25.10                 | 23.60 | 23.50                              |       | 29.50                             |       | 23.98                                |       |      |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 17.80               | 17.75 | 24.50                 | 23.60 | 23.49                              |       | 29.49                             |       | 23.98                                |       |      |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 17.95               | 17.85 | 25.10                 | 24.30 | 23.52                              |       | 29.52                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 100 | 5500        | 19.00               | 18.95 | 25.25                 | 25.20 | 23.78                              |       | 29.78                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 116 | 5580        | 19.20               | 19.05 | 25.90                 | 25.05 | 23.80                              |       | 29.80                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 140 | 5700        | 18.95               | 19.05 | 24.70                 | 24.40 | 23.78                              |       | 29.78                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 102 | 5510        | 36.90               | 36.80 | 43.02                 | 42.84 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 110 | 5550        | 36.90               | 37.00 | 42.48                 | 42.48 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 134 | 5670        | 36.90               | 37.00 | 43.20                 | 43.08 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80    | MCS0      | 2   | 106 | 5530        | 76.08               | 75.96 | 86.20                 | 84.48 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80    | MCS0      | 2   | 122 | 5610        | 76.08               | 76.20 | 84.48                 | 85.76 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| FCC Band III |           |                 |     |             |                  |       |                               |       |       |                                 |       |          |       |                        |           |
|--------------|-----------|-----------------|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.         | Data Rate | N <sub>TX</sub> | 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        | 0.25             | 0.25  | 10.49                         | 10.25 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| 11a          | 6Mbps     | 1               | 116 | 5580        | 0.25             | 0.25  | 10.37                         | 10.03 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| 11a          | 6Mbps     | 1               | 140 | 5700        | 0.25             | 0.25  | 10.39                         | 10.15 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT20         | MCS0      | 1               | 100 | 5500        | 0.27             | 0.27  | 10.79                         | 10.05 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT20         | MCS0      | 1               | 116 | 5580        | 0.27             | 0.27  | 10.32                         | 10.01 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT20         | MCS0      | 1               | 140 | 5700        | 0.27             | 0.27  | 10.50                         | 10.04 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT40         | MCS0      | 1               | 102 | 5510        | 0.48             | 0.49  | 10.83                         | 10.18 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT40         | MCS0      | 1               | 110 | 5550        | 0.48             | 0.49  | 10.47                         | 10.15 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| HT40         | MCS0      | 1               | 134 | 5670        | 0.48             | 0.49  | 10.65                         | 10.12 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT20        | MCS0      | 1               | 100 | 5500        | 0.27             | 0.27  | 10.84                         | 10.14 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT20        | MCS0      | 1               | 116 | 5580        | 0.27             | 0.27  | 10.29                         | 10.00 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT20        | MCS0      | 1               | 140 | 5700        | 0.27             | 0.27  | 10.50                         | 10.03 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT40        | MCS0      | 1               | 102 | 5510        | 0.46             | 0.49  | 10.90                         | 10.18 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT40        | MCS0      | 1               | 110 | 5550        | 0.46             | 0.49  | 10.32                         | 10.05 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT40        | MCS0      | 1               | 134 | 5670        | 0.46             | 0.49  | 10.77                         | 10.20 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT80        | MCS0      | 1               | 106 | 5530        | 0.21             | 0.20  | 10.44                         | 10.20 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| VHT80        | MCS0      | 1               | 122 | 5610        | 0.21             | 0.20  | 10.33                         | 10.15 |       | 23.98                           | 23.98 | -1.90    | -5.30 | 26.99                  | Pass      |
| 11a          | 6Mbps     | 2               | 100 | 5500        | 0.25             | 0.25  | 10.67                         | 9.95  | 13.34 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| 11a          | 6Mbps     | 2               | 116 | 5580        | 0.25             | 0.25  | 10.54                         | 9.79  | 13.19 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| 11a          | 6Mbps     | 2               | 140 | 5700        | 0.25             | 0.25  | 10.64                         | 9.88  | 13.29 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT20         | MCS0      | 2               | 100 | 5500        | 0.31             | 0.27  | 10.86                         | 10.08 | 13.50 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT20         | MCS0      | 2               | 116 | 5580        | 0.31             | 0.27  | 10.43                         | 9.87  | 13.17 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT20         | MCS0      | 2               | 140 | 5700        | 0.31             | 0.27  | 10.66                         | 9.82  | 13.27 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT40         | MCS0      | 2               | 102 | 5510        | 0.49             | 0.57  | 10.93                         | 10.37 | 13.67 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT40         | MCS0      | 2               | 110 | 5550        | 0.49             | 0.57  | 10.51                         | 10.31 | 13.42 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| HT40         | MCS0      | 2               | 134 | 5670        | 0.49             | 0.57  | 10.75                         | 10.23 | 13.51 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT20        | MCS0      | 2               | 100 | 5500        | 0.27             | 0.27  | 10.29                         | 10.28 | 13.29 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT20        | MCS0      | 2               | 116 | 5580        | 0.27             | 0.27  | 10.12                         | 9.97  | 13.05 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT20        | MCS0      | 2               | 140 | 5700        | 0.27             | 0.27  | 10.32                         | 9.94  | 13.14 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT40        | MCS0      | 2               | 102 | 5510        | 0.49             | 0.49  | 10.93                         | 10.15 | 13.57 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT40        | MCS0      | 2               | 110 | 5550        | 0.49             | 0.49  | 10.34                         | 10.09 | 13.23 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT40        | MCS0      | 2               | 134 | 5670        | 0.49             | 0.49  | 10.84                         | 10.14 | 13.52 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT80        | MCS0      | 2               | 106 | 5530        | 0.21             | 0.18  | 10.45                         | 10.21 | 13.35 | 23.98                           |       | -1.90    |       | 26.99                  | Pass      |
| VHT80        | MCS0      | 2               | 122 | 5610        | 0.21             | 0.18  | 10.39                         | 10.26 | 13.34 | 23.98                           |       | -1.90    |       | 26.99                  | 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        | 0.25             | 0.25  |                                 |       | 2.97  | 11.00                       |       | -0.42    |       | Pass |            |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 0.25             | 0.25  |                                 |       | 2.85  | 11.00                       |       | -0.42    |       | Pass |            |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 0.25             | 0.25  |                                 |       | 1.55  | 11.00                       |       | -0.42    |       | Pass |            |
| HT20     | MCS0      | 2   | 100 | 5500        | 0.31             | 0.27  |                                 |       | 2.49  | 11.00                       |       | -0.42    |       | Pass |            |
| HT20     | MCS0      | 2   | 116 | 5580        | 0.31             | 0.27  |                                 |       | 2.37  | 11.00                       |       | -0.42    |       | Pass |            |
| HT20     | MCS0      | 2   | 140 | 5700        | 0.31             | 0.27  |                                 |       | 0.96  | 11.00                       |       | -0.42    |       | Pass |            |
| HT40     | MCS0      | 2   | 102 | 5510        | 0.49             | 0.57  |                                 |       | -0.17 | 11.00                       |       | -0.42    |       | Pass |            |
| HT40     | MCS0      | 2   | 110 | 5550        | 0.49             | 0.57  |                                 |       | -0.26 | 11.00                       |       | -0.42    |       | Pass |            |
| HT40     | MCS0      | 2   | 134 | 5670        | 0.49             | 0.57  |                                 |       | -1.70 | 11.00                       |       | -0.42    |       | Pass |            |
| VHT80    | MCS0      | 2   | 106 | 5530        | 0.21             | 0.18  |                                 |       | -3.59 | 11.00                       |       | -0.42    |       | Pass |            |
| VHT80    | MCS0      | 2   | 122 | 5610        | 0.21             | 0.18  |                                 |       | -3.75 | 11.00                       |       | -0.42    |       | Pass |            |

**TEST RESULTS DATA**  
**Frequency Stability**

| Band I |           |     |     |             |                        |                           |                           |                  |             |      |
|--------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod.   | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5179.950               | -0.050                    | -9.65                     | 50               | 4           |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5180.050               | 0.050                     | 9.65                      | -30              | 4           |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5179.950               | -0.050                    | -9.65                     | 20               | 4           |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5180.000               | 0.000                     | 0.00                      | 20               | 3.7         |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5179.950               | -0.050                    | -9.65                     | 20               | 4           |      |

| Band II |           |     |     |             |                        |                           |                           |                  |             |      |
|---------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5319.925               | -0.075                    | -14.10                    | 50               | 4           |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5320.050               | 0.050                     | 9.40                      | -30              | 4           |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5319.950               | -0.050                    | -9.40                     | 20               | 4           |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5319.950               | -0.050                    | -9.40                     | 20               | 3.7         |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5319.950               | -0.050                    | -9.40                     | 20               | 4           |      |

| Band III |           |     |     |             |                        |                           |                           |                  |             |      |
|----------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5499.975               | -0.025                    | -4.55                     | 50               | 4           |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5500.050               | 0.050                     | 9.09                      | -30              | 4           |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5499.925               | -0.075                    | -13.64                    | 20               | 4           |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5499.950               | -0.050                    | -9.09                     | 20               | 3.7         |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5499.950               | -0.050                    | -9.09                     | 20               | 4           |      |



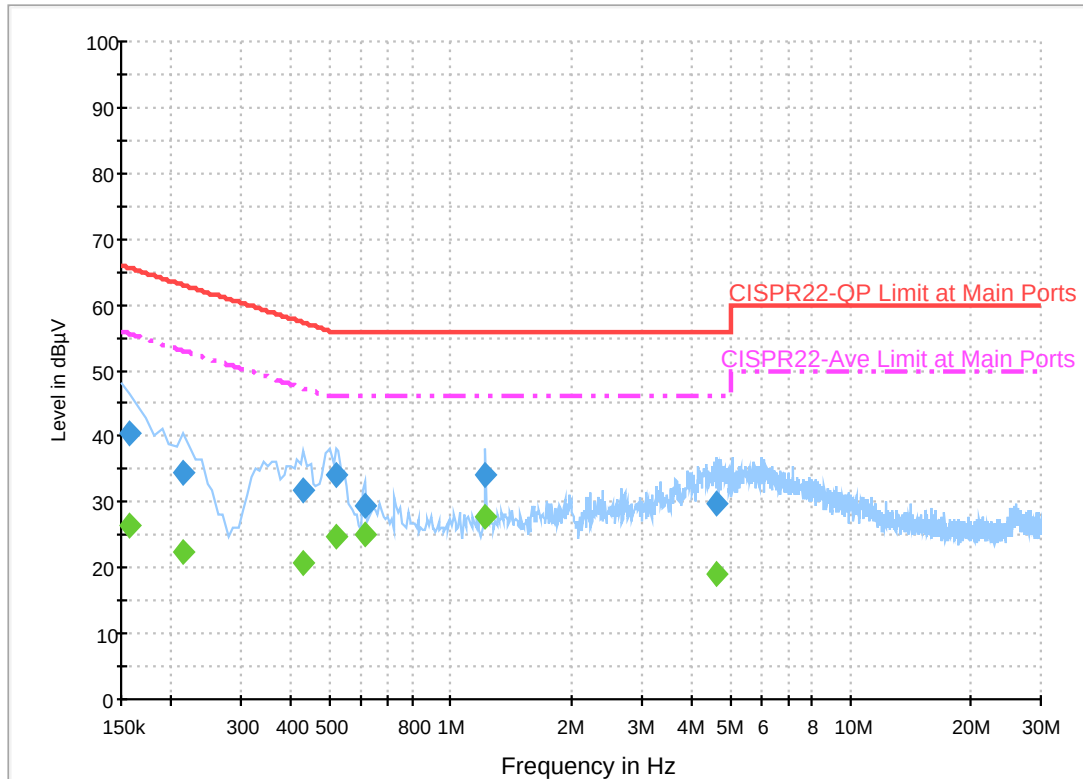
## Appendix B. AC Conducted Emission Test Results

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Engineer : | Eric Jeng | Temperature :       | 21~23°C |
|                 |           | Relative Humidity : | 52~55%  |

## EUT Information

Report NO : 740120  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

ENV216 Auto Test FCC Power Bar - L



## Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.158000        | 40.5             | Off    | L1   | 19.6       | 25.1        | 65.6         |
| 0.214000        | 34.6             | Off    | L1   | 19.6       | 28.4        | 63.0         |
| 0.430000        | 31.8             | Off    | L1   | 19.6       | 25.5        | 57.3         |
| 0.518000        | 34.1             | Off    | L1   | 19.6       | 21.9        | 56.0         |
| 0.614000        | 29.4             | Off    | L1   | 19.6       | 26.6        | 56.0         |
| 1.222000        | 34.0             | Off    | L1   | 19.6       | 22.0        | 56.0         |
| 4.630000        | 29.7             | Off    | L1   | 19.7       | 26.3        | 56.0         |

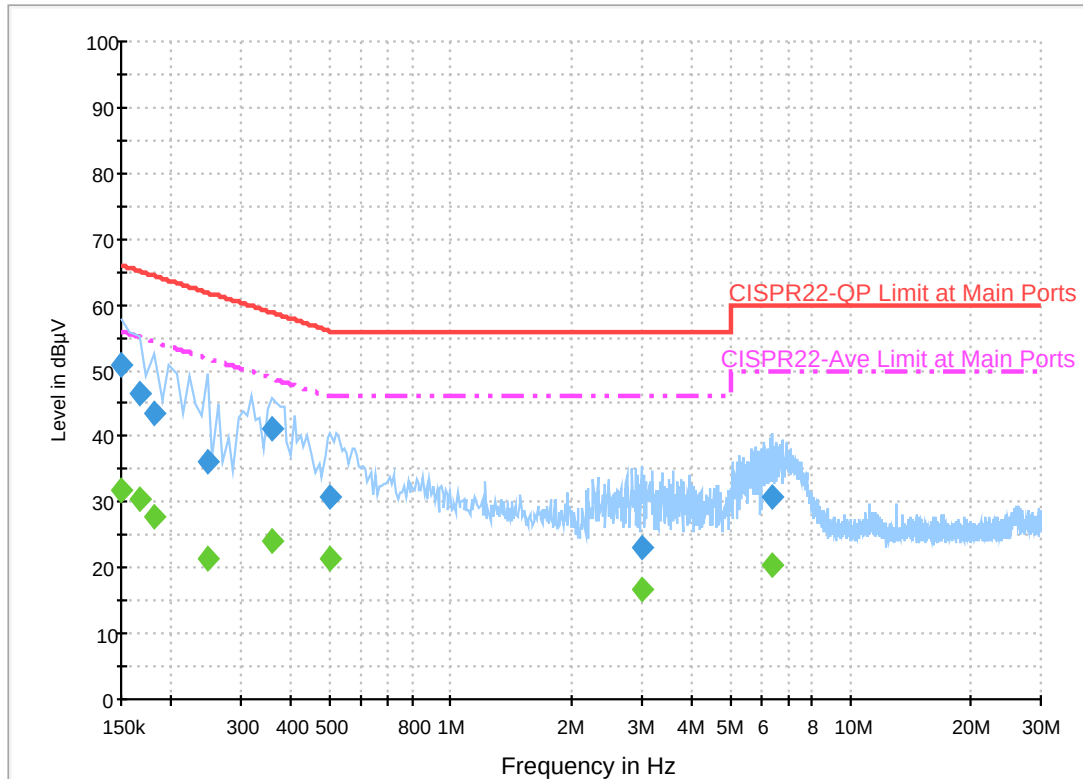
## Final Result 2

| Frequency (MHz) | Average (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.158000        | 26.4           | Off    | L1   | 19.6       | 29.2        | 55.6         |
| 0.214000        | 22.4           | Off    | L1   | 19.6       | 30.6        | 53.0         |
| 0.430000        | 20.7           | Off    | L1   | 19.6       | 26.6        | 47.3         |
| 0.518000        | 24.9           | Off    | L1   | 19.6       | 21.1        | 46.0         |
| 0.614000        | 25.2           | Off    | L1   | 19.6       | 20.8        | 46.0         |
| 1.222000        | 27.8           | Off    | L1   | 19.6       | 18.2        | 46.0         |
| 4.630000        | 18.9           | Off    | L1   | 19.7       | 27.1        | 46.0         |

## EUT Information

Report NO : 740120  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral

ENV216 Auto Test FCC Power Bar - N



## Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.150000        | 51.0             | Off    | N    | 19.5       | 15.0        | 66.0         |
| 0.166000        | 46.4             | Off    | N    | 19.5       | 18.8        | 65.2         |
| 0.182000        | 43.4             | Off    | N    | 19.5       | 21.0        | 64.4         |
| 0.246000        | 36.1             | Off    | N    | 19.5       | 25.8        | 61.9         |
| 0.358000        | 41.0             | Off    | N    | 19.5       | 17.8        | 58.8         |
| 0.502000        | 30.7             | Off    | N    | 19.5       | 25.3        | 56.0         |
| 2.998000        | 23.0             | Off    | N    | 19.5       | 33.0        | 56.0         |
| 6.390000        | 30.9             | Off    | N    | 19.8       | 29.1        | 60.0         |

## Final Result 2

| Frequency (MHz) | Average (dBμV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.150000        | 31.6           | Off    | N    | 19.5       | 24.4        | 56.0         |
| 0.166000        | 30.4           | Off    | N    | 19.5       | 24.8        | 55.2         |
| 0.182000        | 27.8           | Off    | N    | 19.5       | 26.6        | 54.4         |
| 0.246000        | 21.6           | Off    | N    | 19.5       | 30.3        | 51.9         |
| 0.358000        | 24.1           | Off    | N    | 19.5       | 24.7        | 48.8         |
| 0.502000        | 21.4           | Off    | N    | 19.5       | 24.6        | 46.0         |
| 2.998000        | 16.9           | Off    | N    | 19.5       | 29.1        | 46.0         |
| 6.390000        | 20.5           | Off    | N    | 19.8       | 29.5        | 50.0         |



## Appendix C. Radiated Spurious Emission

|                 |                                        |                     |         |
|-----------------|----------------------------------------|---------------------|---------|
| Test Engineer : | Tsung Lee, Stan Hsieh, and Kyle Chuang | Temperature :       | 22~25°C |
|                 |                                        | Relative Humidity : | 44~45%  |

### Band 1 - 5150~5250MHz

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

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | 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 ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5140.14   | 48.07      | -25.93 | 74         | 41.51    | 32.5     | 6.6    | 32.54  | 100    | 119     | P       | H       |
|                             |      | 5145.6    | 39.78      | -14.22 | 54         | 33.21    | 32.5     | 6.61   | 32.54  | 100    | 119     | A       | H       |
|                             | *    | 5180      | 101.04     | -      | -          | 94.44    | 32.5     | 6.64   | 32.54  | 100    | 119     | P       | H       |
|                             | *    | 5180      | 94.98      | -      | -          | 88.38    | 32.5     | 6.64   | 32.54  | 100    | 119     | A       | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      | 5095.94   | 48.11      | -25.89 | 74         | 41.57    | 32.5     | 6.57   | 32.53  | 100    | 83      | P       | V       |
|                             |      | 5145.34   | 38.79      | -15.21 | 54         | 32.22    | 32.5     | 6.61   | 32.54  | 100    | 83      | A       | V       |
|                             | *    | 5180      | 95.65      | -      | -          | 89.05    | 32.5     | 6.64   | 32.54  | 100    | 83      | P       | V       |
|                             | *    | 5180      | 88.12      | -      | -          | 81.52    | 32.5     | 6.64   | 32.54  | 100    | 83      | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5067.6    | 48.58      | -25.42 | 74         | 42.06    | 32.5     | 6.55   | 32.53  | 100    | 118     | P       | H       |
|                             |      | 5145.86   | 39.12      | -14.88 | 54         | 32.55    | 32.5     | 6.61   | 32.54  | 100    | 118     | A       | H       |
|                             | *    | 5220      | 102.08     | -      | -          | 95.45    | 32.5     | 6.67   | 32.54  | 100    | 118     | P       | H       |
|                             | *    | 5220      | 95.66      | -      | -          | 89.03    | 32.5     | 6.67   | 32.54  | 100    | 118     | A       | H       |
|                             |      | 5369.84   | 47.73      | -26.27 | 74         | 40.98    | 32.5     | 6.79   | 32.54  | 100    | 118     | P       | H       |
|                             |      | 5375.72   | 41.04      | -12.96 | 54         | 34.3     | 32.5     | 6.79   | 32.55  | 100    | 118     | A       | H       |
|                             |      | 5020.28   | 47.97      | -26.03 | 74         | 41.48    | 32.5     | 6.52   | 32.53  | 100    | 78      | P       | V       |
|                             |      | 5100.88   | 38.72      | -15.28 | 54         | 32.18    | 32.5     | 6.57   | 32.53  | 100    | 78      | A       | V       |
|                             | *    | 5220      | 96.04      | -      | -          | 89.41    | 32.5     | 6.67   | 32.54  | 100    | 78      | P       | V       |
|                             | *    | 5220      | 90.04      | -      | -          | 83.41    | 32.5     | 6.67   | 32.54  | 100    | 78      | A       | V       |
|                             |      | 5361.44   | 46.18      | -27.82 | 74         | 39.43    | 32.5     | 6.79   | 32.54  | 100    | 78      | P       | V       |
|                             |      | 5376      | 38.78      | -15.22 | 54         | 32.04    | 32.5     | 6.79   | 32.55  | 100    | 78      | A       | V       |





|                                                  |                                                                                             |         |        |        |    |       |      |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5115.7  | 48.92  | -25.08 | 74 | 42.36 | 32.5 | 6.59 | 32.53 | 100 | 116 | P | H |
|                                                  |                                                                                             | 5145.6  | 39.17  | -14.83 | 54 | 32.6  | 32.5 | 6.61 | 32.54 | 100 | 116 | A | H |
|                                                  | *                                                                                           | 5240    | 102.79 | -      | -  | 96.15 | 32.5 | 6.68 | 32.54 | 100 | 116 | P | H |
|                                                  | *                                                                                           | 5240    | 96.12  | -      | -  | 89.48 | 32.5 | 6.68 | 32.54 | 100 | 116 | A | H |
|                                                  |                                                                                             | 5451.88 | 47.06  | -26.94 | 74 | 40.25 | 32.5 | 6.86 | 32.55 | 100 | 116 | P | H |
|                                                  |                                                                                             | 5376    | 40.76  | -13.24 | 54 | 34.02 | 32.5 | 6.79 | 32.55 | 100 | 116 | A | H |
|                                                  |                                                                                             | 5138.84 | 46.88  | -27.12 | 74 | 40.32 | 32.5 | 6.6  | 32.54 | 100 | 79  | P | V |
|                                                  |                                                                                             | 5135.2  | 38.74  | -15.26 | 54 | 32.18 | 32.5 | 6.6  | 32.54 | 100 | 79  | A | V |
|                                                  | *                                                                                           | 5240    | 97.22  | -      | -  | 90.58 | 32.5 | 6.68 | 32.54 | 100 | 79  | P | V |
|                                                  | *                                                                                           | 5240    | 90.72  | -      | -  | 84.08 | 32.5 | 6.68 | 32.54 | 100 | 79  | A | V |
|                                                  |                                                                                             | 5433.96 | 46.59  | -27.41 | 74 | 39.8  | 32.5 | 6.84 | 32.55 | 100 | 79  | P | V |
|                                                  |                                                                                             | 5452.72 | 38.73  | -15.27 | 54 | 31.92 | 32.5 | 6.86 | 32.55 | 100 | 79  | 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<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 ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11a<br>CH 36<br>5180MHz |                                                                                             | 10360                | 45.78               | -28.22                  | 74                          | 61.24                   | 38.87                         | 10.33                   | 65.2                       | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15540                | 46.45               | -27.55                  | 74                          | 57.58                   | 38.49                         | 13.6                    | 63.98                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10360                | 45.98               | -28.02                  | 74                          | 61.44                   | 38.87                         | 10.33                   | 65.2                       | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15540                | 45.68               | -28.32                  | 74                          | 56.81                   | 38.49                         | 13.6                    | 63.98                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440                | 45.36               | -28.64                  | 74                          | 60.8                    | 38.93                         | 10.29                   | 65.2                       | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15660                | 45.86               | -28.14                  | 74                          | 57.19                   | 38.44                         | 13.72                   | 64.24                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10440                | 45.56               | -28.44                  | 74                          | 61                      | 38.93                         | 10.29                   | 65.2                       | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15660                | 47.64               | -26.36                  | 74                          | 58.97                   | 38.44                         | 13.72                   | 64.24                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480                | 46.6                | -27.4                   | 74                          | 62.02                   | 38.98                         | 10.26                   | 65.2                       | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15720                | 47.42               | -26.58                  | 74                          | 58.89                   | 38.41                         | 13.77                   | 64.39                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10480                | 48.05               | -25.95                  | 74                          | 63.47                   | 38.98                         | 10.26                   | 65.2                       | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15720                | 46.86               | -27.14                  | 74                          | 58.33                   | 38.41                         | 13.77                   | 64.39                      | 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 ) | Cable<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 |      | 5145.08              | 51.99               | -22.01                  | 74                          | 45.42                     | 32.5                          | 6.61                    | 32.54                      | 100                  | 118                     | P                       | H               |
|                                     |      | 5143.52              | 41.12               | -12.88                  | 54                          | 34.55                     | 32.5                          | 6.61                    | 32.54                      | 100                  | 118                     | A                       | H               |
|                                     | *    | 5180                 | 101.9               | -                       | -                           | 95.3                      | 32.5                          | 6.64                    | 32.54                      | 100                  | 118                     | P                       | H               |
|                                     | *    | 5180                 | 95.11               | -                       | -                           | 88.51                     | 32.5                          | 6.64                    | 32.54                      | 100                  | 118                     | A                       | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |      | 5036.4               | 47.4                | -26.6                   | 74                          | 40.89                     | 32.5                          | 6.54                    | 32.53                      | 373                  | 99                      | P                       | V               |
|                                     |      | 5148.46              | 38.91               | -15.09                  | 54                          | 32.34                     | 32.5                          | 6.61                    | 32.54                      | 373                  | 99                      | A                       | V               |
|                                     | *    | 5180                 | 99.72               | -                       | -                           | 93.12                     | 32.5                          | 6.64                    | 32.54                      | 373                  | 99                      | P                       | V               |
|                                     | *    | 5180                 | 92.53               | -                       | -                           | 85.93                     | 32.5                          | 6.64                    | 32.54                      | 373                  | 99                      | A                       | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |      | 5105.04              | 49.43               | -24.57                  | 74                          | 42.89                     | 32.5                          | 6.57                    | 32.53                      | 100                  | 118                     | P                       | H               |
|                                     |      | 5145.6               | 39.07               | -14.93                  | 54                          | 32.5                      | 32.5                          | 6.61                    | 32.54                      | 100                  | 118                     | A                       | H               |
|                                     | *    | 5220                 | 102.55              | -                       | -                           | 95.92                     | 32.5                          | 6.67                    | 32.54                      | 100                  | 118                     | P                       | H               |
|                                     | *    | 5220                 | 95.21               | -                       | -                           | 88.58                     | 32.5                          | 6.67                    | 32.54                      | 100                  | 118                     | A                       | H               |
|                                     |      | 5351.92              | 46.81               | -27.19                  | 74                          | 40.08                     | 32.5                          | 6.77                    | 32.54                      | 100                  | 118                     | P                       | H               |
|                                     |      | 5376                 | 40.55               | -13.45                  | 54                          | 33.81                     | 32.5                          | 6.79                    | 32.55                      | 100                  | 118                     | A                       | H               |
|                                     |      | 5086.84              | 47.17               | -26.83                  | 74                          | 40.64                     | 32.5                          | 6.56                    | 32.53                      | 368                  | 98                      | P                       | V               |
|                                     |      | 5083.72              | 38.66               | -15.34                  | 54                          | 32.13                     | 32.5                          | 6.56                    | 32.53                      | 368                  | 98                      | A                       | V               |
|                                     | *    | 5220                 | 100.32              | -                       | -                           | 93.69                     | 32.5                          | 6.67                    | 32.54                      | 368                  | 98                      | P                       | V               |
|                                     | *    | 5220                 | 93.64               | -                       | -                           | 87.01                     | 32.5                          | 6.67                    | 32.54                      | 368                  | 98                      | A                       | V               |
|                                     |      | 5430.6               | 46.8                | -27.2                   | 74                          | 40.01                     | 32.5                          | 6.84                    | 32.55                      | 368                  | 98                      | P                       | V               |
|                                     |      | 5376                 | 38.7                | -15.3                   | 54                          | 31.96                     | 32.5                          | 6.79                    | 32.55                      | 368                  | 98                      | A                       | V               |



|                                                                 |                                                                                             |         |        |        |    |       |      |      |       |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5013.78 | 48.2   | -25.8  | 74 | 41.72 | 32.5 | 6.51 | 32.53 | 100 | 118 | P | H |
|                                                                 |                                                                                             | 5145.6  | 39.04  | -14.96 | 54 | 32.47 | 32.5 | 6.61 | 32.54 | 100 | 118 | A | H |
|                                                                 | *                                                                                           | 5240    | 103.01 | -      | -  | 96.37 | 32.5 | 6.68 | 32.54 | 100 | 118 | P | H |
|                                                                 |                                                                                             | 5362.56 | 46.7   | -27.3  | 74 | 39.95 | 32.5 | 6.79 | 32.54 | 100 | 118 | P | H |
|                                                                 |                                                                                             | 5376    | 40.66  | -13.34 | 54 | 33.92 | 32.5 | 6.79 | 32.55 | 100 | 118 | A | H |
|                                                                 |                                                                                             |         |        |        |    |       |      |      |       |     |     |   | H |
|                                                                 |                                                                                             | 5117.78 | 47.49  | -26.51 | 74 | 40.93 | 32.5 | 6.59 | 32.53 | 364 | 94  | P | V |
|                                                                 |                                                                                             | 5087.36 | 39     | -15    | 54 | 32.47 | 32.5 | 6.56 | 32.53 | 364 | 94  | A | V |
|                                                                 | *                                                                                           | 5240    | 99.65  | -      | -  | 93.01 | 32.5 | 6.68 | 32.54 | 364 | 94  | P | V |
|                                                                 | *                                                                                           | 5240    | 92.9   | -      | -  | 86.26 | 32.5 | 6.68 | 32.54 | 364 | 94  | A | V |
|                                                                 |                                                                                             | 5445.44 | 45.81  | -28.19 | 74 | 39.02 | 32.5 | 6.84 | 32.55 | 364 | 94  | P | V |
|                                                                 |                                                                                             | 5376    | 38.69  | -15.31 | 54 | 31.95 | 32.5 | 6.79 | 32.55 | 364 | 94  | 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<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 ) | Cable<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 |                                                                                             | 10360                | 45.55               | -28.45                  | 74                          | 61.01                     | 38.87                         | 10.33                   | 65.2                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15540                | 44.39               | -29.61                  | 74                          | 55.52                     | 38.49                         | 13.6                    | 63.98                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10360                | 46.36               | -27.64                  | 74                          | 61.82                     | 38.87                         | 10.33                   | 65.2                       | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15540                | 44.66               | -29.34                  | 74                          | 55.79                     | 38.49                         | 13.6                    | 63.98                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440                | 45.51               | -28.49                  | 74                          | 60.95                     | 38.93                         | 10.29                   | 65.2                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15660                | 45.2                | -28.8                   | 74                          | 56.53                     | 38.44                         | 13.72                   | 64.24                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10440                | 44.81               | -29.19                  | 74                          | 60.25                     | 38.93                         | 10.29                   | 65.2                       | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15660                | 44.13               | -29.87                  | 74                          | 55.46                     | 38.44                         | 13.72                   | 64.24                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480                | 46.5                | -27.5                   | 74                          | 61.92                     | 38.98                         | 10.26                   | 65.2                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15720                | 46.68               | -27.32                  | 74                          | 58.15                     | 38.41                         | 13.77                   | 64.39                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10480                | 45.94               | -28.06                  | 74                          | 61.36                     | 38.98                         | 10.26                   | 65.2                       | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15720                | 45.95               | -28.05                  | 74                          | 57.42                     | 38.41                         | 13.77                   | 64.39                      | 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 ) | Cable<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 |                                                                                             | 5150                 | 52.04               | -21.96                  | 74                          | 45.47                     | 32.5                          | 6.61                    | 32.54                      | 100                  | 119                     | P                       | H               |
|                                     |                                                                                             | 5150                 | 44.73               | -9.27                   | 54                          | 38.16                     | 32.5                          | 6.61                    | 32.54                      | 100                  | 119                     | A                       | H               |
|                                     | *                                                                                           | 5190                 | 99.15               | -                       | -                           | 92.55                     | 32.5                          | 6.64                    | 32.54                      | 100                  | 119                     | P                       | H               |
|                                     | *                                                                                           | 5190                 | 92.61               | -                       | -                           | 86.01                     | 32.5                          | 6.64                    | 32.54                      | 100                  | 119                     | A                       | H               |
|                                     |                                                                                             | 5436.48              | 47.88               | -26.12                  | 74                          | 41.09                     | 32.5                          | 6.84                    | 32.55                      | 100                  | 119                     | P                       | H               |
|                                     |                                                                                             | 5376                 | 40.33               | -13.67                  | 54                          | 33.59                     | 32.5                          | 6.79                    | 32.55                      | 100                  | 119                     | A                       | H               |
|                                     |                                                                                             | 5127.14              | 47.9                | -26.1                   | 74                          | 41.34                     | 32.5                          | 6.6                     | 32.54                      | 367                  | 99                      | P                       | V               |
|                                     |                                                                                             | 5147.94              | 40.53               | -13.47                  | 54                          | 33.96                     | 32.5                          | 6.61                    | 32.54                      | 367                  | 99                      | A                       | V               |
|                                     | *                                                                                           | 5190                 | 96.97               | -                       | -                           | 90.37                     | 32.5                          | 6.64                    | 32.54                      | 367                  | 99                      | P                       | V               |
|                                     | *                                                                                           | 5190                 | 90.43               | -                       | -                           | 83.83                     | 32.5                          | 6.64                    | 32.54                      | 367                  | 99                      | A                       | V               |
|                                     |                                                                                             | 5361.72              | 46.72               | -27.28                  | 74                          | 39.97                     | 32.5                          | 6.79                    | 32.54                      | 367                  | 99                      | P                       | V               |
|                                     |                                                                                             | 5370.12              | 39.19               | -14.81                  | 54                          | 32.44                     | 32.5                          | 6.79                    | 32.54                      | 367                  | 99                      | A                       | V               |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 5112.84              | 47.58               | -26.42                  | 74                          | 41.02                     | 32.5                          | 6.59                    | 32.53                      | 100                  | 119                     | P                       | H               |
|                                     |                                                                                             | 5145.6               | 40.12               | -13.88                  | 54                          | 33.55                     | 32.5                          | 6.61                    | 32.54                      | 100                  | 119                     | A                       | H               |
|                                     | *                                                                                           | 5230                 | 100.66              | -                       | -                           | 94.03                     | 32.5                          | 6.67                    | 32.54                      | 100                  | 119                     | P                       | H               |
|                                     | *                                                                                           | 5230                 | 94.46               | -                       | -                           | 87.83                     | 32.5                          | 6.67                    | 32.54                      | 100                  | 119                     | A                       | H               |
|                                     |                                                                                             | 5390.28              | 48.38               | -25.62                  | 74                          | 41.63                     | 32.5                          | 6.8                     | 32.55                      | 100                  | 119                     | P                       | H               |
|                                     |                                                                                             | 5452.72              | 41.98               | -12.02                  | 54                          | 35.17                     | 32.5                          | 6.86                    | 32.55                      | 100                  | 119                     | A                       | H               |
|                                     |                                                                                             | 5037.96              | 48.07               | -25.93                  | 74                          | 41.56                     | 32.5                          | 6.54                    | 32.53                      | 365                  | 97                      | P                       | V               |
|                                     |                                                                                             | 5144.3               | 39.56               | -14.44                  | 54                          | 32.99                     | 32.5                          | 6.61                    | 32.54                      | 365                  | 97                      | A                       | V               |
|                                     | *                                                                                           | 5230                 | 97.65               | -                       | -                           | 91.02                     | 32.5                          | 6.67                    | 32.54                      | 365                  | 97                      | P                       | V               |
|                                     | *                                                                                           | 5230                 | 90.37               | -                       | -                           | 83.74                     | 32.5                          | 6.67                    | 32.54                      | 365                  | 97                      | A                       | V               |
|                                     |                                                                                             | 5403.72              | 47.04               | -26.96                  | 74                          | 40.27                     | 32.5                          | 6.82                    | 32.55                      | 365                  | 97                      | P                       | V               |
|                                     |                                                                                             | 5452.72              | 39.32               | -14.68                  | 54                          | 32.51                     | 32.5                          | 6.86                    | 32.55                      | 365                  | 97                      | 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<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 ) | Cable<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 |                                                                                             | 10380                | 47.29               | -26.71                  | 74                          | 62.75                   | 38.88                         | 10.32                   | 65.2                       | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15570                | 44.14               | -29.86                  | 74                          | 55.33                   | 38.47                         | 13.64                   | 64.05                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10380                | 46.47               | -27.53                  | 74                          | 61.93                   | 38.88                         | 10.32                   | 65.2                       | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15570                | 46.7                | -27.3                   | 74                          | 57.89                   | 38.47                         | 13.64                   | 64.05                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460                | 45.5                | -28.5                   | 74                          | 60.93                   | 38.95                         | 10.28                   | 65.2                       | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15690                | 47.78               | -26.22                  | 74                          | 59.2                    | 38.42                         | 13.74                   | 64.32                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10460                | 46.25               | -27.75                  | 74                          | 61.68                   | 38.95                         | 10.28                   | 65.2                       | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15690                | 45.43               | -28.57                  | 74                          | 56.85                   | 38.42                         | 13.74                   | 64.32                      | 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 ) | Cable<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 |                                                                                             | 5148.2               | 49.51               | -24.49                  | 74                          | 42.94                   | 32.5                          | 6.61                    | 32.54                      | 100                  | 119                     | P                     | H             |
|                                       |                                                                                             | 5149.5               | 41.41               | -12.59                  | 54                          | 34.84                   | 32.5                          | 6.61                    | 32.54                      | 100                  | 119                     | A                     | H             |
|                                       | *                                                                                           | 5210                 | 96.78               | -                       | -                           | 90.17                   | 32.5                          | 6.65                    | 32.54                      | 100                  | 119                     | P                     | H             |
|                                       | *                                                                                           | 5210                 | 89.81               | -                       | -                           | 83.2                    | 32.5                          | 6.65                    | 32.54                      | 100                  | 119                     | A                     | H             |
|                                       |                                                                                             | 5386.36              | 47.38               | -26.62                  | 74                          | 40.63                   | 32.5                          | 6.8                     | 32.55                      | 100                  | 119                     | P                     | H             |
|                                       |                                                                                             | 5376                 | 40.61               | -13.39                  | 54                          | 33.87                   | 32.5                          | 6.79                    | 32.55                      | 100                  | 119                     | A                     | H             |
|                                       |                                                                                             | 5145.86              | 49.2                | -24.8                   | 74                          | 42.63                   | 32.5                          | 6.61                    | 32.54                      | 365                  | 98                      | P                     | V             |
|                                       |                                                                                             | 5150                 | 40.56               | -13.44                  | 54                          | 33.99                   | 32.5                          | 6.61                    | 32.54                      | 365                  | 98                      | A                     | V             |
|                                       | *                                                                                           | 5210                 | 94.13               | -                       | -                           | 87.52                   | 32.5                          | 6.65                    | 32.54                      | 365                  | 98                      | P                     | V             |
|                                       | *                                                                                           | 5210                 | 86.58               | -                       | -                           | 79.97                   | 32.5                          | 6.65                    | 32.54                      | 365                  | 98                      | A                     | V             |
|                                       |                                                                                             | 5363.12              | 47.01               | -26.99                  | 74                          | 40.26                   | 32.5                          | 6.79                    | 32.54                      | 365                  | 98                      | P                     | V             |
|                                       |                                                                                             | 5376                 | 38.47               | -15.53                  | 54                          | 31.73                   | 32.5                          | 6.79                    | 32.55                      | 365                  | 98                      | 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<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 ) | Cable<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 |                                                                                             | 10420                | 44.92               | -29.08                  | 74                          | 60.36                   | 38.92                         | 10.3                    | 65.2                       | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             | 15630                | 47.02               | -26.98                  | 74                          | 58.34                   | 38.44                         | 13.69                   | 64.2                       | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                       |                                                                                             | 10420                | 44.75               | -29.25                  | 74                          | 60.19                   | 38.92                         | 10.3                    | 65.2                       | 100                  | 0                       | P                     | V             |
|                                       |                                                                                             | 15630                | 46.4                | -27.6                   | 74                          | 57.72                   | 38.44                         | 13.69                   | 64.2                       | 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                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | 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 ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5119.68   | 47.82      | -26.18 | 74         | 41.27    | 32.5     | 6.59   | 32.54  | 100    | 117     | P       | H       |
|                             |      | 5145.52   | 39.07      | -14.93 | 54         | 32.5     | 32.5     | 6.61   | 32.54  | 100    | 117     | A       | H       |
|                             | *    | 5260      | 103.79     | -      | -          | 97.13    | 32.5     | 6.7    | 32.54  | 100    | 117     | P       | H       |
|                             | *    | 5260      | 96.83      | -      | -          | 90.17    | 32.5     | 6.7    | 32.54  | 100    | 117     | A       | H       |
|                             |      | 5365.92   | 46.93      | -27.07 | 74         | 40.18    | 32.5     | 6.79   | 32.54  | 100    | 117     | P       | H       |
|                             |      | 5375.76   | 40.51      | -13.49 | 54         | 33.77    | 32.5     | 6.79   | 32.55  | 100    | 117     | A       | H       |
|                             |      | 5083.3    | 47.47      | -26.53 | 74         | 40.94    | 32.5     | 6.56   | 32.53  | 100    | 77      | P       | V       |
|                             |      | 5096.22   | 38.77      | -15.23 | 54         | 32.23    | 32.5     | 6.57   | 32.53  | 100    | 77      | A       | V       |
|                             | *    | 5260      | 97.51      | -      | -          | 90.85    | 32.5     | 6.7    | 32.54  | 100    | 77      | P       | V       |
|                             | *    | 5260      | 90.69      | -      | -          | 84.03    | 32.5     | 6.7    | 32.54  | 100    | 77      | A       | V       |
|                             |      | 5362.08   | 47.55      | -26.45 | 74         | 40.8     | 32.5     | 6.79   | 32.54  | 100    | 77      | P       | V       |
|                             |      | 5376      | 38.65      | -15.35 | 54         | 31.91    | 32.5     | 6.79   | 32.55  | 100    | 77      | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5007.82   | 48.6       | -25.4  | 74         | 42.12    | 32.5     | 6.51   | 32.53  | 100    | 118     | P       | H       |
|                             |      | 5145.52   | 39.03      | -14.97 | 54         | 32.46    | 32.5     | 6.61   | 32.54  | 100    | 118     | A       | H       |
|                             | *    | 5300      | 105.29     | -      | -          | 98.6     | 32.5     | 6.73   | 32.54  | 100    | 118     | P       | H       |
|                             | *    | 5300      | 98.24      | -      | -          | 91.55    | 32.5     | 6.73   | 32.54  | 100    | 118     | A       | H       |
|                             |      | 5359.2    | 47.21      | -26.79 | 74         | 40.46    | 32.5     | 6.79   | 32.54  | 100    | 118     | P       | H       |
|                             |      | 5375.76   | 40.82      | -13.18 | 54         | 34.08    | 32.5     | 6.79   | 32.55  | 100    | 118     | A       | H       |
|                             |      | 5109.14   | 47.37      | -26.63 | 74         | 40.81    | 32.5     | 6.59   | 32.53  | 100    | 77      | P       | V       |
|                             |      | 5125.12   | 38.85      | -15.15 | 54         | 32.29    | 32.5     | 6.6    | 32.54  | 100    | 77      | A       | V       |
|                             | *    | 5300      | 97.78      | -      | -          | 91.09    | 32.5     | 6.73   | 32.54  | 100    | 77      | P       | V       |
|                             | *    | 5300      | 92.09      | -      | -          | 85.4     | 32.5     | 6.73   | 32.54  | 100    | 77      | A       | V       |
|                             |      | 5354.64   | 47.08      | -26.92 | 74         | 40.35    | 32.5     | 6.77   | 32.54  | 100    | 77      | P       | V       |
|                             |      | 5376      | 38.64      | -15.36 | 54         | 31.9     | 32.5     | 6.79   | 32.55  | 100    | 77      | A       | V       |



|                                                  |                                                                                             |         |        |        |    |       |      |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 105.26 | -      | -  | 98.56 | 32.5 | 6.74 | 32.54 | 100 | 119 | P | H |
|                                                  | *                                                                                           | 5320    | 99.28  | -      | -  | 92.58 | 32.5 | 6.74 | 32.54 | 100 | 119 | A | H |
|                                                  |                                                                                             | 5353.44 | 52.46  | -21.54 | 74 | 45.73 | 32.5 | 6.77 | 32.54 | 100 | 119 | P | H |
|                                                  |                                                                                             | 5350.08 | 41.72  | -12.28 | 54 | 34.99 | 32.5 | 6.77 | 32.54 | 100 | 119 | A | H |
|                                                  |                                                                                             |         |        |        |    |       |      |      |       |     |     |   | H |
|                                                  |                                                                                             |         |        |        |    |       |      |      |       |     |     |   | H |
|                                                  | *                                                                                           | 5320    | 99.15  | -      | -  | 92.45 | 32.5 | 6.74 | 32.54 | 100 | 77  | P | V |
|                                                  | *                                                                                           | 5320    | 93.06  | -      | -  | 86.36 | 32.5 | 6.74 | 32.54 | 100 | 77  | A | V |
|                                                  |                                                                                             | 5354.72 | 47.71  | -26.29 | 74 | 40.98 | 32.5 | 6.77 | 32.54 | 100 | 77  | P | V |
|                                                  |                                                                                             | 5350.72 | 38.99  | -15.01 | 54 | 32.26 | 32.5 | 6.77 | 32.54 | 100 | 77  | 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<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 ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520                | 44.6                | -29.4                   | 74                          | 59.97                     | 39.05                         | 10.24                   | 65.2                       | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15780                | 47.16               | -26.84                  | 74                          | 58.72                     | 38.39                         | 13.82                   | 64.51                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10520                | 44.21               | -29.79                  | 74                          | 59.58                     | 39.05                         | 10.24                   | 65.2                       | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15780                | 46.69               | -27.31                  | 74                          | 58.25                     | 38.39                         | 13.82                   | 64.51                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600                | 45.38               | -28.62                  | 74                          | 60.51                     | 39.31                         | 10.2                    | 65.18                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15900                | 45.94               | -28.06                  | 74                          | 57.7                      | 38.34                         | 13.94                   | 64.77                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10600                | 46.46               | -27.54                  | 74                          | 61.59                     | 39.31                         | 10.2                    | 65.18                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15900                | 45.74               | -28.26                  | 74                          | 57.5                      | 38.34                         | 13.94                   | 64.77                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640                | 45.34               | -28.66                  | 74                          | 60.38                     | 39.41                         | 10.19                   | 65.17                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15960                | 47.22               | -26.78                  | 74                          | 59.12                     | 38.31                         | 13.99                   | 64.92                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10640                | 45.23               | -28.77                  | 74                          | 60.27                     | 39.41                         | 10.19                   | 65.17                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15960                | 46.29               | -27.71                  | 74                          | 58.19                     | 38.31                         | 13.99                   | 64.92                      | 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 ) | Cable<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 |      | 5123.42              | 47.26               | -26.74                  | 74                          | 40.71                     | 32.5                          | 6.59                    | 32.54                      | 100                  | 119                     | P                       | H               |
|                                     |      | 5145.52              | 39.07               | -14.93                  | 54                          | 32.5                      | 32.5                          | 6.61                    | 32.54                      | 100                  | 119                     | A                       | H               |
|                                     | *    | 5260                 | 102.7               | -                       | -                           | 96.04                     | 32.5                          | 6.7                     | 32.54                      | 100                  | 119                     | P                       | H               |
|                                     | *    | 5260                 | 96.3                | -                       | -                           | 89.64                     | 32.5                          | 6.7                     | 32.54                      | 100                  | 119                     | A                       | H               |
|                                     |      | 5414.16              | 47.7                | -26.3                   | 74                          | 40.92                     | 32.5                          | 6.83                    | 32.55                      | 100                  | 119                     | P                       | H               |
|                                     |      | 5375.76              | 40.85               | -13.15                  | 54                          | 34.11                     | 32.5                          | 6.79                    | 32.55                      | 100                  | 119                     | A                       | H               |
|                                     |      | 5048.62              | 47.45               | -26.55                  | 74                          | 40.94                     | 32.5                          | 6.54                    | 32.53                      | 381                  | 99                      | P                       | V               |
|                                     |      | 5133.62              | 38.74               | -15.26                  | 54                          | 32.18                     | 32.5                          | 6.6                     | 32.54                      | 381                  | 99                      | A                       | V               |
|                                     | *    | 5260                 | 100.75              | -                       | -                           | 94.09                     | 32.5                          | 6.7                     | 32.54                      | 381                  | 99                      | P                       | V               |
|                                     | *    | 5260                 | 93.35               | -                       | -                           | 86.69                     | 32.5                          | 6.7                     | 32.54                      | 381                  | 99                      | A                       | V               |
|                                     |      | 5394.96              | 46.45               | -27.55                  | 74                          | 39.68                     | 32.5                          | 6.82                    | 32.55                      | 381                  | 99                      | P                       | V               |
|                                     |      | 5452.56              | 38.6                | -15.4                   | 54                          | 31.79                     | 32.5                          | 6.86                    | 32.55                      | 381                  | 99                      | A                       | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |      | 5028.22              | 47.22               | -26.78                  | 74                          | 40.73                     | 32.5                          | 6.52                    | 32.53                      | 100                  | 117                     | P                       | H               |
|                                     |      | 5145.52              | 38.98               | -15.02                  | 54                          | 32.41                     | 32.5                          | 6.61                    | 32.54                      | 100                  | 117                     | A                       | H               |
|                                     | *    | 5300                 | 104.88              | -                       | -                           | 98.19                     | 32.5                          | 6.73                    | 32.54                      | 100                  | 117                     | P                       | H               |
|                                     | *    | 5300                 | 98.41               | -                       | -                           | 91.72                     | 32.5                          | 6.73                    | 32.54                      | 100                  | 117                     | A                       | H               |
|                                     |      | 5442                 | 47.97               | -26.03                  | 74                          | 41.18                     | 32.5                          | 6.84                    | 32.55                      | 100                  | 117                     | P                       | H               |
|                                     |      | 5375.76              | 41.16               | -12.84                  | 54                          | 34.42                     | 32.5                          | 6.79                    | 32.55                      | 100                  | 117                     | A                       | H               |
|                                     |      | 5049.3               | 48.11               | -25.89                  | 74                          | 41.6                      | 32.5                          | 6.54                    | 32.53                      | 377                  | 96                      | P                       | V               |
|                                     |      | 5104.38              | 39                  | -15                     | 54                          | 32.46                     | 32.5                          | 6.57                    | 32.53                      | 377                  | 96                      | A                       | V               |
|                                     | *    | 5300                 | 100.5               | -                       | -                           | 93.81                     | 32.5                          | 6.73                    | 32.54                      | 377                  | 96                      | P                       | V               |
|                                     | *    | 5300                 | 94.02               | -                       | -                           | 87.33                     | 32.5                          | 6.73                    | 32.54                      | 377                  | 96                      | A                       | V               |
|                                     |      | 5446.32              | 46.81               | -27.19                  | 74                          | 40.02                     | 32.5                          | 6.84                    | 32.55                      | 377                  | 96                      | P                       | V               |
|                                     |      | 5454                 | 38.08               | -15.92                  | 54                          | 31.27                     | 32.5                          | 6.86                    | 32.55                      | 377                  | 96                      | A                       | V               |



|                                                                 |                                                                                             |         |        |        |    |       |      |      |       |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 106.13 | -      | -  | 99.43 | 32.5 | 6.74 | 32.54 | 100 | 117 | P | H |
|                                                                 | *                                                                                           | 5320    | 98.98  | -      | -  | 92.28 | 32.5 | 6.74 | 32.54 | 100 | 117 | A | H |
|                                                                 |                                                                                             | 5350.88 | 57.92  | -16.08 | 74 | 51.19 | 32.5 | 6.77 | 32.54 | 100 | 117 | P | H |
|                                                                 |                                                                                             | 5350.08 | 43.9   | -10.1  | 54 | 37.17 | 32.5 | 6.77 | 32.54 | 100 | 117 | A | H |
|                                                                 |                                                                                             |         |        |        |    |       |      |      |       |     |     |   | H |
|                                                                 |                                                                                             |         |        |        |    |       |      |      |       |     |     |   | H |
|                                                                 | *                                                                                           | 5320    | 100.5  | -      | -  | 93.8  | 32.5 | 6.74 | 32.54 | 375 | 96  | P | V |
|                                                                 | *                                                                                           | 5320    | 93.92  | -      | -  | 87.22 | 32.5 | 6.74 | 32.54 | 375 | 96  | A | V |
|                                                                 |                                                                                             | 5351.68 | 48.44  | -25.56 | 74 | 41.71 | 32.5 | 6.77 | 32.54 | 375 | 96  | P | V |
|                                                                 |                                                                                             | 5352    | 39.82  | -14.18 | 54 | 33.09 | 32.5 | 6.77 | 32.54 | 375 | 96  | 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<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 ) | Cable<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 |                                                                                             | 10520                | 45.91               | -28.09                  | 74                          | 61.28                   | 39.05                         | 10.24                   | 65.2                       | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15780                | 47.37               | -26.63                  | 74                          | 58.93                   | 38.39                         | 13.82                   | 64.51                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10520                | 44.88               | -29.12                  | 74                          | 60.25                   | 39.05                         | 10.24                   | 65.2                       | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15780                | 43.8                | -30.2                   | 74                          | 55.36                   | 38.39                         | 13.82                   | 64.51                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |                                                                                             | 10600                | 44.12               | -29.88                  | 74                          | 59.25                   | 39.31                         | 10.2                    | 65.18                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15900                | 42.47               | -31.53                  | 74                          | 54.23                   | 38.34                         | 13.94                   | 64.77                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10600                | 46.26               | -27.74                  | 74                          | 61.39                   | 39.31                         | 10.2                    | 65.18                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15900                | 44.73               | -29.27                  | 74                          | 56.49                   | 38.34                         | 13.94                   | 64.77                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
| 802.11n<br>HT20<br>CH 64<br>5320MHz |                                                                                             | 10640                | 44.36               | -29.64                  | 74                          | 59.4                    | 39.41                         | 10.19                   | 65.17                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15960                | 41.15               | -32.85                  | 74                          | 53.05                   | 38.31                         | 13.99                   | 64.92                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10640                | 45.13               | -28.87                  | 74                          | 60.17                   | 39.41                         | 10.19                   | 65.17                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15960                | 43.89               | -30.11                  | 74                          | 55.79                   | 38.31                         | 13.99                   | 64.92                      | 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 ) | Cable<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 |                                                                                             | 5143.48              | 47.1                | -26.9                   | 74                          | 40.53                     | 32.5                          | 6.61                    | 32.54                      | 104                  | 118                     | P                       | H               |
|                                     |                                                                                             | 5145.86              | 39.94               | -14.06                  | 54                          | 33.37                     | 32.5                          | 6.61                    | 32.54                      | 104                  | 118                     | A                       | H               |
|                                     | *                                                                                           | 5270                 | 101.96              | -                       | -                           | 95.29                     | 32.5                          | 6.71                    | 32.54                      | 104                  | 118                     | P                       | H               |
|                                     | *                                                                                           | 5270                 | 94.87               | -                       | -                           | 88.2                      | 32.5                          | 6.71                    | 32.54                      | 104                  | 118                     | A                       | H               |
|                                     |                                                                                             | 5354.64              | 50.22               | -23.78                  | 74                          | 43.49                     | 32.5                          | 6.77                    | 32.54                      | 104                  | 118                     | P                       | H               |
|                                     |                                                                                             | 5376                 | 41.74               | -12.26                  | 54                          | 35                        | 32.5                          | 6.79                    | 32.55                      | 104                  | 118                     | A                       | H               |
|                                     |                                                                                             | 5125.12              | 47.7                | -26.3                   | 74                          | 41.14                     | 32.5                          | 6.6                     | 32.54                      | 325                  | 98                      | P                       | V               |
|                                     |                                                                                             | 5079.22              | 39.43               | -14.57                  | 54                          | 32.9                      | 32.5                          | 6.56                    | 32.53                      | 325                  | 98                      | A                       | V               |
|                                     | *                                                                                           | 5270                 | 98.17               | -                       | -                           | 91.5                      | 32.5                          | 6.71                    | 32.54                      | 325                  | 98                      | P                       | V               |
|                                     | *                                                                                           | 5270                 | 90.75               | -                       | -                           | 84.08                     | 32.5                          | 6.71                    | 32.54                      | 325                  | 98                      | A                       | V               |
|                                     |                                                                                             | 5359.92              | 47.5                | -26.5                   | 74                          | 40.75                     | 32.5                          | 6.79                    | 32.54                      | 325                  | 98                      | P                       | V               |
|                                     |                                                                                             | 5452.56              | 39.48               | -14.52                  | 54                          | 32.67                     | 32.5                          | 6.86                    | 32.55                      | 325                  | 98                      | A                       | V               |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 5129.88              | 48.3                | -25.7                   | 74                          | 41.74                     | 32.5                          | 6.6                     | 32.54                      | 103                  | 118                     | P                       | H               |
|                                     |                                                                                             | 5145.18              | 39.42               | -14.58                  | 54                          | 32.85                     | 32.5                          | 6.61                    | 32.54                      | 103                  | 118                     | A                       | H               |
|                                     | *                                                                                           | 5310                 | 102.43              | -                       | -                           | 95.73                     | 32.5                          | 6.74                    | 32.54                      | 103                  | 118                     | P                       | H               |
|                                     | *                                                                                           | 5310                 | 95.47               | -                       | -                           | 88.77                     | 32.5                          | 6.74                    | 32.54                      | 103                  | 118                     | A                       | H               |
|                                     |                                                                                             | 5352                 | 62.35               | -11.65                  | 74                          | 55.62                     | 32.5                          | 6.77                    | 32.54                      | 103                  | 118                     | P                       | H               |
|                                     |                                                                                             | 5353.68              | 50.41               | -3.59                   | 54                          | 43.68                     | 32.5                          | 6.77                    | 32.54                      | 103                  | 118                     | A                       | H               |
|                                     |                                                                                             | 5149.26              | 47.53               | -26.47                  | 74                          | 40.96                     | 32.5                          | 6.61                    | 32.54                      | 377                  | 103                     | P                       | V               |
|                                     |                                                                                             | 5103.36              | 39.78               | -14.22                  | 54                          | 33.24                     | 32.5                          | 6.57                    | 32.53                      | 377                  | 103                     | A                       | V               |
|                                     | *                                                                                           | 5310                 | 97.5                | -                       | -                           | 90.8                      | 32.5                          | 6.74                    | 32.54                      | 377                  | 103                     | P                       | V               |
|                                     | *                                                                                           | 5310                 | 90.51               | -                       | -                           | 83.81                     | 32.5                          | 6.74                    | 32.54                      | 377                  | 103                     | A                       | V               |
|                                     |                                                                                             | 5350.32              | 53.02               | -20.98                  | 74                          | 46.29                     | 32.5                          | 6.77                    | 32.54                      | 377                  | 103                     | P                       | V               |
|                                     |                                                                                             | 5351.76              | 43.9                | -10.1                   | 54                          | 37.17                     | 32.5                          | 6.77                    | 32.54                      | 377                  | 103                     | 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<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 ) | Cable<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 |                                                                                             | 10540                | 45.04               | -28.96                  | 74                          | 60.36                   | 39.1                          | 10.23                   | 65.19                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15810                | 45.99               | -28.01                  | 74                          | 57.6                    | 38.38                         | 13.85                   | 64.58                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10540                | 45.41               | -28.59                  | 74                          | 60.73                   | 39.1                          | 10.23                   | 65.19                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15810                | 45.68               | -28.32                  | 74                          | 57.29                   | 38.38                         | 13.85                   | 64.58                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 10620                | 44.73               | -29.27                  | 74                          | 59.82                   | 39.36                         | 10.2                    | 65.18                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15930                | 43.04               | -30.96                  | 74                          | 54.86                   | 38.33                         | 13.97                   | 64.85                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10620                | 45.4                | -28.6                   | 74                          | 60.49                   | 39.36                         | 10.2                    | 65.18                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15930                | 44.55               | -29.45                  | 74                          | 56.37                   | 38.33                         | 13.97                   | 64.85                      | 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 ) | Cable<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 |                                                                                             | 5112.2               | 47.4                | -26.6                   | 74                          | 40.84                   | 32.5                          | 6.59                    | 32.53                      | 100                  | 118                     | P                     | H             |
|                                       |                                                                                             | 5145.52              | 39.19               | -14.81                  | 54                          | 32.62                   | 32.5                          | 6.61                    | 32.54                      | 100                  | 118                     | A                     | H             |
|                                       | *                                                                                           | 5290                 | 100                 | -                       | -                           | 93.31                   | 32.5                          | 6.73                    | 32.54                      | 100                  | 118                     | P                     | H             |
|                                       | *                                                                                           | 5290                 | 92.21               | -                       | -                           | 85.52                   | 32.5                          | 6.73                    | 32.54                      | 100                  | 118                     | A                     | H             |
|                                       |                                                                                             | 5353.44              | 60.13               | -13.87                  | 74                          | 53.4                    | 32.5                          | 6.77                    | 32.54                      | 100                  | 118                     | P                     | H             |
|                                       |                                                                                             | 5351.28              | 50.02               | -3.98                   | 54                          | 43.29                   | 32.5                          | 6.77                    | 32.54                      | 100                  | 118                     | A                     | H             |
|                                       |                                                                                             | 5027.54              | 47.53               | -26.47                  | 74                          | 41.04                   | 32.5                          | 6.52                    | 32.53                      | 376                  | 101                     | P                     | V             |
|                                       |                                                                                             | 5109.48              | 38.62               | -15.38                  | 54                          | 32.06                   | 32.5                          | 6.59                    | 32.53                      | 376                  | 101                     | A                     | V             |
|                                       | *                                                                                           | 5302                 | 95.06               | -                       | -                           | 88.37                   | 32.5                          | 6.73                    | 32.54                      | 376                  | 101                     | P                     | V             |
|                                       |                                                                                             | 5367.84              | 54.2                | -19.8                   | 74                          | 47.45                   | 32.5                          | 6.79                    | 32.54                      | 376                  | 101                     | P                     | V             |
|                                       |                                                                                             | 5350.32              | 45.55               | -8.45                   | 54                          | 38.82                   | 32.5                          | 6.77                    | 32.54                      | 376                  | 101                     | A                     | 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 (Harmonic @ 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 ) | Cable<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 58<br/>5290MHz</b> |                                                                                             | 10580                | 46                  | -28                     | 74                          | 61.17                   | 39.26                         | 10.21                   | 65.18                      | 100                  | 0                       | P                     | H             |
|                                                 |                                                                                             | 15870                | 46.22               | -27.78                  | 74                          | 57.97                   | 38.35                         | 13.9                    | 64.73                      | 100                  | 0                       | P                     | H             |
|                                                 |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                                 |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                                 |                                                                                             | 10580                | 46.09               | -27.91                  | 74                          | 61.26                   | 39.26                         | 10.21                   | 65.18                      | 100                  | 0                       | P                     | V             |
|                                                 |                                                                                             | 15870                | 46.85               | -27.15                  | 74                          | 58.6                    | 38.35                         | 13.9                    | 64.73                      | 100                  | 0                       | P                     | 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 (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | 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 ) |
| 802.11a<br>CH 100<br>5500MHz |      | 5452.88   | 48.2       | -25.8  | 74         | 41.39    | 32.5     | 6.86   | 32.55  | 109    | 119     | P       | H       |
|                              |      | 5452.72   | 41.86      | -12.14 | 54         | 35.05    | 32.5     | 6.86   | 32.55  | 109    | 119     | A       | H       |
|                              | *    | 5500      | 104.64     | -      | -          | 97.81    | 32.5     | 6.88   | 32.55  | 109    | 119     | P       | H       |
|                              | *    | 5500      | 98.23      | -      | -          | 91.4     | 32.5     | 6.88   | 32.55  | 109    | 119     | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5400.4    | 46.51      | -27.49 | 74         | 39.74    | 32.5     | 6.82   | 32.55  | 100    | 75      | P       | V       |
|                              |      | 5456.24   | 38.84      | -15.16 | 54         | 32.03    | 32.5     | 6.86   | 32.55  | 100    | 75      | A       | V       |
|                              | *    | 5500      | 99.74      | -      | -          | 92.91    | 32.5     | 6.88   | 32.55  | 100    | 75      | P       | V       |
|                              | *    | 5500      | 93.19      | -      | -          | 86.36    | 32.5     | 6.88   | 32.55  | 100    | 75      | A       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5441.2    | 47.9       | -26.1  | 74         | 41.11    | 32.5     | 6.84   | 32.55  | 100    | 118     | P       | H       |
|                              |      | 5452.72   | 41.24      | -12.76 | 54         | 34.43    | 32.5     | 6.86   | 32.55  | 100    | 118     | A       | H       |
|                              | *    | 5580      | 104.23     | -      | -          | 97.27    | 32.61    | 6.94   | 32.59  | 100    | 118     | P       | H       |
|                              | *    | 5580      | 98.1       | -      | -          | 91.14    | 32.61    | 6.94   | 32.59  | 100    | 118     | A       | H       |
|                              |      | 5759.33   | 47.12      | -26.88 | 74         | 39.81    | 32.91    | 7.06   | 32.66  | 100    | 118     | P       | H       |
|                              |      | 5759.96   | 39.52      | -14.48 | 54         | 32.21    | 32.91    | 7.06   | 32.66  | 100    | 118     | A       | H       |
|                              |      | 5460.4    | 47.89      | -26.11 | 74         | 41.08    | 32.5     | 6.86   | 32.55  | 100    | 73      | P       | V       |
|                              |      | 5452.72   | 38.97      | -15.03 | 54         | 32.16    | 32.5     | 6.86   | 32.55  | 100    | 73      | A       | V       |
|                              | *    | 5580      | 97.33      | -      | -          | 90.37    | 32.61    | 6.94   | 32.59  | 100    | 73      | P       | V       |
|                              | *    | 5580      | 91.27      | -      | -          | 84.31    | 32.61    | 6.94   | 32.59  | 100    | 73      | A       | V       |
|                              |      | 5727.2    | 47.68      | -26.32 | 74         | 40.43    | 32.86    | 7.03   | 32.64  | 100    | 73      | P       | V       |
|                              |      | 5745.155  | 41.86      | -12.14 | 54         | 34.58    | 32.89    | 7.04   | 32.65  | 100    | 73      | A       | V       |



|                                       |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 102.61 | -      | -  | 95.42 | 32.8  | 7.02 | 32.63 | 100 | 117 | P | H |
|                                       | *                                                                                           | 5700    | 96.2   | -      | -  | 89.01 | 32.8  | 7.02 | 32.63 | 100 | 117 | A | H |
|                                       |                                                                                             | 5734.84 | 49.64  | -24.36 | 74 | 42.37 | 32.89 | 7.03 | 32.65 | 100 | 117 | P | H |
|                                       |                                                                                             | 5759.88 | 40.86  | -13.14 | 54 | 33.55 | 32.91 | 7.06 | 32.66 | 100 | 117 | A | H |
|                                       |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                       |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                       | *                                                                                           | 5700    | 97.41  | -      | -  | 90.22 | 32.8  | 7.02 | 32.63 | 100 | 75  | P | V |
|                                       | *                                                                                           | 5700    | 90.15  | -      | -  | 82.96 | 32.8  | 7.02 | 32.63 | 100 | 75  | A | V |
|                                       |                                                                                             | 5753.96 | 47.69  | -26.31 | 74 | 40.37 | 32.91 | 7.06 | 32.65 | 100 | 75  | P | V |
|                                       |                                                                                             | 5746.2  | 40.67  | -13.33 | 54 | 33.39 | 32.89 | 7.04 | 32.65 | 100 | 75  | 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 3 - 5470~5725MHz

## WIFI 802.11a (Harmonic @ 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 ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000                | 46.86               | -27.14                  | 74                          | 60.94                     | 40.5                          | 10                      | 65.1                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 16500                | 47.33               | -26.67                  | 74                          | 58.87                     | 38.9                          | 13.97                   | 65.1                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11000                | 47.53               | -26.47                  | 74                          | 61.61                     | 40.5                          | 10                      | 65.1                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 16500                | 46.63               | -27.37                  | 74                          | 58.17                     | 38.9                          | 13.97                   | 65.1                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160                | 45.92               | -28.08                  | 74                          | 60.25                     | 40.07                         | 10.28                   | 65.2                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 16740                | 45.79               | -28.21                  | 74                          | 56.42                     | 39.62                         | 13.94                   | 64.86                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11160                | 45.66               | -28.34                  | 74                          | 59.99                     | 40.07                         | 10.28                   | 65.2                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 16740                | 46.72               | -27.28                  | 74                          | 57.35                     | 39.62                         | 13.94                   | 64.86                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400                | 46.12               | -27.88                  | 74                          | 60.78                     | 39.46                         | 10.71                   | 65.34                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17100                | 49.06               | -24.94                  | 74                          | 58.19                     | 40.72                         | 13.96                   | 64.46                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11400                | 46.56               | -27.44                  | 74                          | 61.22                     | 39.46                         | 10.71                   | 65.34                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17100                | 46.86               | -27.14                  | 74                          | 55.99                     | 40.72                         | 13.96                   | 64.46                      | 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 ) | Cable<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 100<br>5500MHz |      | 5382.96              | 49.33               | -24.67                  | 74                          | 42.58                     | 32.5                          | 6.8                     | 32.55                      | 100                  | 117                     | P                       | H               |
|                                      |      | 5452.72              | 42.1                | -11.9                   | 54                          | 35.29                     | 32.5                          | 6.86                    | 32.55                      | 100                  | 117                     | A                       | H               |
|                                      | *    | 5500                 | 105.32              | -                       | -                           | 98.49                     | 32.5                          | 6.88                    | 32.55                      | 100                  | 117                     | P                       | H               |
|                                      | *    | 5500                 | 98.19               | -                       | -                           | 91.36                     | 32.5                          | 6.88                    | 32.55                      | 100                  | 117                     | A                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |      | 5399.6               | 47.02               | -26.98                  | 74                          | 40.25                     | 32.5                          | 6.82                    | 32.55                      | 389                  | 81                      | P                       | V               |
|                                      |      | 5466.32              | 38.73               | -15.27                  | 54                          | 31.91                     | 32.5                          | 6.87                    | 32.55                      | 389                  | 81                      | A                       | V               |
|                                      | *    | 5500                 | 100.35              | -                       | -                           | 93.52                     | 32.5                          | 6.88                    | 32.55                      | 389                  | 81                      | P                       | V               |
|                                      | *    | 5500                 | 94.02               | -                       | -                           | 87.19                     | 32.5                          | 6.88                    | 32.55                      | 389                  | 81                      | A                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |      | 5376.16              | 47.9                | -26.1                   | 74                          | 41.15                     | 32.5                          | 6.8                     | 32.55                      | 100                  | 116                     | P                       | H               |
|                                      |      | 5452.72              | 40.91               | -13.09                  | 54                          | 34.1                      | 32.5                          | 6.86                    | 32.55                      | 100                  | 116                     | A                       | H               |
|                                      | *    | 5580                 | 104.68              | -                       | -                           | 97.72                     | 32.61                         | 6.94                    | 32.59                      | 100                  | 116                     | P                       | H               |
|                                      | *    | 5580                 | 98                  | -                       | -                           | 91.04                     | 32.61                         | 6.94                    | 32.59                      | 100                  | 116                     | A                       | H               |
|                                      |      | 5751.14              | 47.59               | -26.41                  | 74                          | 40.31                     | 32.89                         | 7.04                    | 32.65                      | 100                  | 116                     | P                       | H               |
|                                      |      | 5745.785             | 43.76               | -10.24                  | 54                          | 36.48                     | 32.89                         | 7.04                    | 32.65                      | 100                  | 116                     | A                       | H               |
|                                      |      | 5389.36              | 46.86               | -27.14                  | 74                          | 40.11                     | 32.5                          | 6.8                     | 32.55                      | 381                  | 90                      | P                       | V               |
|                                      |      | 5452.72              | 39.24               | -14.76                  | 54                          | 32.43                     | 32.5                          | 6.86                    | 32.55                      | 381                  | 90                      | A                       | V               |
|                                      | *    | 5580                 | 99.44               | -                       | -                           | 92.48                     | 32.61                         | 6.94                    | 32.59                      | 381                  | 90                      | P                       | V               |
|                                      | *    | 5580                 | 93.41               | -                       | -                           | 86.45                     | 32.61                         | 6.94                    | 32.59                      | 381                  | 90                      | A                       | V               |
|                                      |      | 5737.91              | 47.76               | -26.24                  | 74                          | 40.48                     | 32.89                         | 7.04                    | 32.65                      | 381                  | 90                      | P                       | V               |
|                                      |      | 5741.69              | 43.37               | -10.63                  | 54                          | 36.09                     | 32.89                         | 7.04                    | 32.65                      | 381                  | 90                      | A                       | V               |



|                                                |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 102.11 | -      | -  | 94.92 | 32.8  | 7.02 | 32.63 | 100 | 119 | P | H |
|                                                | *                                                                                           | 5700    | 96.26  | -      | -  | 89.07 | 32.8  | 7.02 | 32.63 | 100 | 119 | A | H |
|                                                |                                                                                             | 5736.6  | 51.28  | -22.72 | 74 | 44    | 32.89 | 7.04 | 32.65 | 100 | 119 | P | H |
|                                                |                                                                                             | 5744.12 | 42.64  | -11.36 | 54 | 35.36 | 32.89 | 7.04 | 32.65 | 100 | 119 | A | H |
|                                                |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                                |                                                                                             |         |        |        |    |       |       |      |       |     |     |   | H |
|                                                | *                                                                                           | 5700    | 98.56  | -      | -  | 91.37 | 32.8  | 7.02 | 32.63 | 364 | 89  | P | V |
|                                                | *                                                                                           | 5700    | 92.97  | -      | -  | 85.78 | 32.8  | 7.02 | 32.63 | 364 | 89  | A | V |
|                                                |                                                                                             | 5761.4  | 47.87  | -26.13 | 74 | 40.56 | 32.91 | 7.06 | 32.66 | 364 | 89  | P | V |
|                                                |                                                                                             | 5751.08 | 40.55  | -13.45 | 54 | 33.27 | 32.89 | 7.04 | 32.65 | 364 | 89  | 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 3 - 5470~5725MHz**

**WIFI 802.11n HT20 (Harmonic @ 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 ) | Cable<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 100<br>5500MHz |                                                                                             | 11000                | 46.59               | -27.41                  | 74                          | 60.67                     | 40.5                          | 10                      | 65.1                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16500                | 44.52               | -29.48                  | 74                          | 56.06                     | 38.9                          | 13.97                   | 65.1                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11000                | 46.91               | -27.09                  | 74                          | 60.99                     | 40.5                          | 10                      | 65.1                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16500                | 45.02               | -28.98                  | 74                          | 56.56                     | 38.9                          | 13.97                   | 65.1                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160                | 45.51               | -28.49                  | 74                          | 59.84                     | 40.07                         | 10.28                   | 65.2                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16740                | 44.87               | -29.13                  | 74                          | 55.5                      | 39.62                         | 13.94                   | 64.86                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11160                | 45.95               | -28.05                  | 74                          | 60.28                     | 40.07                         | 10.28                   | 65.2                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16740                | 45.33               | -28.67                  | 74                          | 55.96                     | 39.62                         | 13.94                   | 64.86                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400                | 46.35               | -27.65                  | 74                          | 61.01                     | 39.46                         | 10.71                   | 65.34                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17100                | 46.71               | -27.29                  | 74                          | 55.84                     | 40.72                         | 13.96                   | 64.46                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11400                | 46.26               | -27.74                  | 74                          | 60.92                     | 39.46                         | 10.71                   | 65.34                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17100                | 46.72               | -27.28                  | 74                          | 55.85                     | 40.72                         | 13.96                   | 64.46                      | 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 ) | Cable<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 102<br>5510MHz |      | 5457.45              | 55.51               | -18.49                  | 74                          | 48.7                      | 32.5                          | 6.86                    | 32.55                      | 100                  | 119                     | P                       | H               |
|                                      |      | 5468.65              | 61.35               | -6.85                   | 68.2                        | 54.53                     | 32.5                          | 6.87                    | 32.55                      | 100                  | 119                     | P                       | H               |
|                                      |      | 5458.85              | 47.14               | -6.86                   | 54                          | 40.33                     | 32.5                          | 6.86                    | 32.55                      | 100                  | 119                     | A                       | H               |
|                                      | *    | 5510                 | 102.39              | -                       | -                           | 95.56                     | 32.5                          | 6.89                    | 32.56                      | 100                  | 119                     | P                       | H               |
|                                      | *    | 5510                 | 95.74               | -                       | -                           | 88.91                     | 32.5                          | 6.89                    | 32.56                      | 100                  | 119                     | A                       | H               |
|                                      |      | 5746.73              | 47.64               | -20.56                  | 68.2                        | 40.36                     | 32.89                         | 7.04                    | 32.65                      | 100                  | 119                     | P                       | H               |
|                                      |      | 5459.9               | 48.77               | -25.23                  | 74                          | 41.96                     | 32.5                          | 6.86                    | 32.55                      | 389                  | 90                      | P                       | V               |
|                                      |      | 5464.8               | 53.05               | -15.15                  | 68.2                        | 46.24                     | 32.5                          | 6.86                    | 32.55                      | 389                  | 90                      | P                       | V               |
|                                      |      | 5457.45              | 41.23               | -12.77                  | 54                          | 34.42                     | 32.5                          | 6.86                    | 32.55                      | 389                  | 90                      | A                       | V               |
|                                      | *    | 5510                 | 97.63               | -                       | -                           | 90.8                      | 32.5                          | 6.89                    | 32.56                      | 389                  | 90                      | P                       | V               |
|                                      | *    | 5510                 | 91.16               | -                       | -                           | 84.33                     | 32.5                          | 6.89                    | 32.56                      | 389                  | 90                      | A                       | V               |
|                                      |      | 5748.935             | 47.3                | -20.9                   | 68.2                        | 40.02                     | 32.89                         | 7.04                    | 32.65                      | 389                  | 90                      | P                       | V               |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |      | 5465.5               | 48.99               | -25.01                  | 74                          | 42.18                     | 32.5                          | 6.86                    | 32.55                      | 100                  | 119                     | P                       | H               |
|                                      |      | 5452.55              | 43.49               | -10.51                  | 54                          | 36.68                     | 32.5                          | 6.86                    | 32.55                      | 100                  | 119                     | A                       | H               |
|                                      | *    | 5550                 | 103.17              | -                       | -                           | 96.25                     | 32.58                         | 6.91                    | 32.57                      | 100                  | 119                     | P                       | H               |
|                                      | *    | 5550                 | 96.33               | -                       | -                           | 89.41                     | 32.58                         | 6.91                    | 32.57                      | 100                  | 119                     | A                       | H               |
|                                      |      | 5726.57              | 47.46               | -26.54                  | 74                          | 40.21                     | 32.86                         | 7.03                    | 32.64                      | 100                  | 119                     | P                       | H               |
|                                      |      | 5759.96              | 40.52               | -13.48                  | 54                          | 33.21                     | 32.91                         | 7.06                    | 32.66                      | 100                  | 119                     | A                       | H               |
|                                      |      | 5455.7               | 47.51               | -26.49                  | 74                          | 40.7                      | 32.5                          | 6.86                    | 32.55                      | 388                  | 93                      | P                       | V               |
|                                      |      | 5375.9               | 39.55               | -14.45                  | 54                          | 32.81                     | 32.5                          | 6.79                    | 32.55                      | 388                  | 93                      | A                       | V               |
|                                      | *    | 5550                 | 98.18               | -                       | -                           | 91.26                     | 32.58                         | 6.91                    | 32.57                      | 388                  | 93                      | P                       | V               |
|                                      | *    | 5550                 | 91.75               | -                       | -                           | 84.83                     | 32.58                         | 6.91                    | 32.57                      | 388                  | 93                      | A                       | V               |
|                                      |      | 5732.24              | 46.62               | -27.38                  | 74                          | 39.38                     | 32.86                         | 7.03                    | 32.65                      | 388                  | 93                      | P                       | V               |
|                                      |      | 5748.935             | 44.53               | -9.47                   | 54                          | 37.25                     | 32.89                         | 7.04                    | 32.65                      | 388                  | 93                      | A                       | V               |



|                                                                  |                                                                                             |          |        |        |    |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5431.2   | 47.72  | -26.28 | 74 | 40.93 | 32.5  | 6.84 | 32.55 | 108 | 116 | P | H |
|                                                                  |                                                                                             | 5452.9   | 41.48  | -12.52 | 54 | 34.67 | 32.5  | 6.86 | 32.55 | 108 | 116 | A | H |
|                                                                  | *                                                                                           | 5670     | 100.52 | -      | -  | 93.36 | 32.78 | 7    | 32.62 | 108 | 116 | P | H |
|                                                                  | *                                                                                           | 5670     | 93.93  | -      | -  | 86.77 | 32.78 | 7    | 32.62 | 108 | 116 | A | H |
|                                                                  |                                                                                             | 5730.98  | 53.08  | -20.92 | 74 | 45.84 | 32.86 | 7.03 | 32.65 | 108 | 116 | P | H |
|                                                                  |                                                                                             | 5738.225 | 44.43  | -9.57  | 54 | 37.15 | 32.89 | 7.04 | 32.65 | 108 | 116 | A | H |
|                                                                  |                                                                                             | 5443.8   | 46.05  | -27.95 | 74 | 39.26 | 32.5  | 6.84 | 32.55 | 366 | 92  | P | V |
|                                                                  |                                                                                             | 5452.9   | 38.81  | -15.19 | 54 | 32    | 32.5  | 6.86 | 32.55 | 366 | 92  | A | V |
|                                                                  | *                                                                                           | 5670     | 96.93  | -      | -  | 89.77 | 32.78 | 7    | 32.62 | 366 | 92  | P | V |
|                                                                  | *                                                                                           | 5670     | 89.67  | -      | -  | 82.51 | 32.78 | 7    | 32.62 | 366 | 92  | A | V |
|                                                                  |                                                                                             | 5730.665 | 47.09  | -26.91 | 74 | 39.85 | 32.86 | 7.03 | 32.65 | 366 | 92  | P | V |
|                                                                  |                                                                                             | 5738.54  | 39.52  | -14.48 | 54 | 32.24 | 32.89 | 7.04 | 32.65 | 366 | 92  | A | 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<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 ) | Cable<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 102<br>5510MHz |                                                                                             | 11020                | 47.28               | -26.72                  | 74                          | 61.35                     | 40.46                         | 10.06                   | 65.11                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16530                | 45.91               | -28.09                  | 74                          | 47.87                     | 39                            | 13.97                   | 55.62                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11020                | 46.56               | -27.44                  | 74                          | 60.63                     | 40.46                         | 10.06                   | 65.11                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16530                | 44.78               | -29.22                  | 74                          | 56.19                     | 39                            | 13.97                   | 65.07                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |                                                                                             | 11100                | 46.69               | -27.31                  | 74                          | 60.91                     | 40.24                         | 10.18                   | 65.16                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16650                | 45.62               | -28.38                  | 74                          | 56.56                     | 39.37                         | 13.95                   | 64.94                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11100                | 46.16               | -27.84                  | 74                          | 60.38                     | 40.24                         | 10.18                   | 65.16                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16650                | 47.04               | -26.96                  | 74                          | 57.98                     | 39.37                         | 13.95                   | 64.94                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 134<br>5670MHz |                                                                                             | 11340                | 45.01               | -28.99                  | 74                          | 59.58                     | 39.63                         | 10.58                   | 65.3                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17010                | 46.87               | -27.13                  | 74                          | 56.43                     | 40.45                         | 13.92                   | 64.58                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11340                | 45.14               | -28.86                  | 74                          | 59.71                     | 39.63                         | 10.58                   | 65.3                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17010                | 45.99               | -28.01                  | 74                          | 55.55                     | 40.45                         | 13.92                   | 64.58                      | 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 ) | Cable<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 |                                                                                             | 5467.36              | 57.75               | -16.25                  | 74                          | 50.93                     | 32.5                          | 6.87                    | 32.55                      | 100                  | 118                     | P                       | H               |
|                                        |                                                                                             | 5463.04              | 48.24               | -5.76                   | 54                          | 41.43                     | 32.5                          | 6.86                    | 32.55                      | 100                  | 118                     | A                       | H               |
|                                        | *                                                                                           | 5530                 | 99.18               | -                       | -                           | 92.32                     | 32.53                         | 6.9                     | 32.57                      | 100                  | 118                     | P                       | H               |
|                                        | *                                                                                           | 5530                 | 91.61               | -                       | -                           | 84.75                     | 32.53                         | 6.9                     | 32.57                      | 100                  | 118                     | A                       | H               |
|                                        |                                                                                             | 5752.4               | 49.66               | -24.34                  | 74                          | 42.36                     | 32.91                         | 7.04                    | 32.65                      | 100                  | 118                     | P                       | H               |
|                                        |                                                                                             | 5746.1               | 40.16               | -13.84                  | 54                          | 32.88                     | 32.89                         | 7.04                    | 32.65                      | 100                  | 118                     | A                       | H               |
|                                        |                                                                                             | 5467.25              | 50.31               | -23.69                  | 74                          | 43.49                     | 32.5                          | 6.87                    | 32.55                      | 393                  | 96                      | P                       | V               |
|                                        |                                                                                             | 5458.85              | 42.55               | -11.45                  | 54                          | 35.74                     | 32.5                          | 6.86                    | 32.55                      | 393                  | 96                      | A                       | V               |
|                                        | *                                                                                           | 5530                 | 94.8                | -                       | -                           | 87.94                     | 32.53                         | 6.9                     | 32.57                      | 393                  | 96                      | P                       | V               |
|                                        | *                                                                                           | 5530                 | 86.76               | -                       | -                           | 79.9                      | 32.53                         | 6.9                     | 32.57                      | 393                  | 96                      | A                       | V               |
|                                        |                                                                                             | 5754.605             | 47.01               | -26.99                  | 74                          | 39.69                     | 32.91                         | 7.06                    | 32.65                      | 393                  | 96                      | P                       | V               |
|                                        |                                                                                             | 5740.43              | 47.48               | -6.52                   | 54                          | 40.2                      | 32.89                         | 7.04                    | 32.65                      | 393                  | 96                      | A                       | V               |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5363.65              | 47.22               | -26.78                  | 74                          | 40.47                     | 32.5                          | 6.79                    | 32.54                      | 100                  | 119                     | P                       | H               |
|                                        |                                                                                             | 5452.55              | 41.1                | -12.9                   | 54                          | 34.29                     | 32.5                          | 6.86                    | 32.55                      | 100                  | 119                     | A                       | H               |
|                                        | *                                                                                           | 5610                 | 99.28               | -                       | -                           | 92.25                     | 32.67                         | 6.96                    | 32.6                       | 100                  | 119                     | P                       | H               |
|                                        | *                                                                                           | 5610                 | 92.06               | -                       | -                           | 85.03                     | 32.67                         | 6.96                    | 32.6                       | 100                  | 119                     | A                       | H               |
|                                        |                                                                                             | 5738.225             | 48.66               | -25.34                  | 74                          | 41.38                     | 32.89                         | 7.04                    | 32.65                      | 100                  | 119                     | P                       | H               |
|                                        |                                                                                             | 5745.47              | 41.4                | -12.6                   | 54                          | 34.12                     | 32.89                         | 7.04                    | 32.65                      | 100                  | 119                     | A                       | H               |
|                                        |                                                                                             | 5440.65              | 46.82               | -27.18                  | 74                          | 40.03                     | 32.5                          | 6.84                    | 32.55                      | 376                  | 94                      | P                       | V               |
|                                        |                                                                                             | 5452.9               | 40.24               | -13.76                  | 54                          | 33.43                     | 32.5                          | 6.86                    | 32.55                      | 376                  | 94                      | A                       | V               |
|                                        | *                                                                                           | 5610                 | 94.9                | -                       | -                           | 87.87                     | 32.67                         | 6.96                    | 32.6                       | 376                  | 94                      | P                       | V               |
|                                        | *                                                                                           | 5610                 | 87.1                | -                       | -                           | 80.07                     | 32.67                         | 6.96                    | 32.6                       | 376                  | 94                      | A                       | V               |
|                                        |                                                                                             | 5759.96              | 49.42               | -24.58                  | 74                          | 42.11                     | 32.91                         | 7.06                    | 32.66                      | 376                  | 94                      | P                       | V               |
|                                        |                                                                                             | 5752.085             | 44.95               | -9.05                   | 54                          | 37.65                     | 32.91                         | 7.04                    | 32.65                      | 376                  | 94                      | A                       | 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<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 ) | Cable<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 |                                                                                             | 11060                | 46.38               | -27.62                  | 74                          | 60.55                   | 40.33                         | 10.12                   | 65.14                      | 100                  | 0                       | P                     | H             |
|                                        |                                                                                             | 16590                | 45.88               | -28.12                  | 74                          | 57.09                   | 39.16                         | 13.96                   | 65.01                      | 100                  | 0                       | P                     | H             |
|                                        |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                        |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                        |                                                                                             | 11060                | 45.77               | -28.23                  | 74                          | 59.94                   | 40.33                         | 10.12                   | 65.14                      | 100                  | 0                       | P                     | V             |
|                                        |                                                                                             | 16590                | 49.17               | -24.83                  | 74                          | 60.38                   | 39.16                         | 13.96                   | 65.01                      | 100                  | 0                       | P                     | V             |
|                                        |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
|                                        |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | V             |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220                | 45.71               | -28.29                  | 74                          | 60.08                   | 39.94                         | 10.4                    | 65.23                      | 100                  | 0                       | P                     | H             |
|                                        |                                                                                             | 16830                | 46.64               | -27.36                  | 74                          | 56.93                   | 39.88                         | 13.93                   | 64.77                      | 100                  | 0                       | P                     | H             |
|                                        |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                        |                                                                                             |                      |                     |                         |                             |                         |                               |                         |                            |                      |                         |                       | H             |
|                                        |                                                                                             | 11220                | 46.42               | -27.58                  | 74                          | 60.79                   | 39.94                         | 10.4                    | 65.23                      | 100                  | 0                       | P                     | V             |
|                                        |                                                                                             | 16830                | 46.28               | -27.72                  | 74                          | 56.57                   | 39.88                         | 13.93                   | 64.77                      | 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 HT40 (LF @ 3m)

| WIFI                  | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | 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 ) |
| 802.11n<br>HT40<br>LF |                                                                            | 31.08     | 22.01      | -17.99 | 40         | 30.37    | 23.78    | 0.53   | 32.75  | -      | -       | P       | H       |
|                       |                                                                            | 102.09    | 22.33      | -21.17 | 43.5       | 37.65    | 16.24    | 0.97   | 32.77  | -      | -       | P       | H       |
|                       |                                                                            | 249.51    | 29.38      | -16.62 | 46         | 41.8     | 18.36    | 1.53   | 32.73  | -      | -       | P       | H       |
|                       |                                                                            | 508.6     | 25.05      | -20.95 | 46         | 31.35    | 23.97    | 2.11   | 32.89  | -      | -       | P       | H       |
|                       |                                                                            | 741.7     | 30.35      | -15.65 | 46         | 32.01    | 28.18    | 2.51   | 32.95  | -      | -       | P       | H       |
|                       |                                                                            | 868.4     | 31.42      | -14.58 | 46         | 31.28    | 29.25    | 2.7    | 32.49  | 100    | 0       | P       | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            | 31.62     | 25.71      | -14.29 | 40         | 34.51    | 23.34    | 0.53   | 32.75  | -      | -       | P       | V       |
|                       |                                                                            | 34.86     | 24.57      | -15.43 | 40         | 34.69    | 22.01    | 0.53   | 32.75  | -      | -       | P       | V       |
|                       |                                                                            | 68.61     | 28.19      | -11.81 | 40         | 47.74    | 12.26    | 0.77   | 32.75  | 100    | 0       | P       | V       |
|                       |                                                                            | 519.8     | 24.58      | -21.42 | 46         | 30.77    | 24.07    | 2.11   | 32.9   | -      | -       | P       | V       |
|                       |                                                                            | 729.8     | 28.75      | -17.25 | 46         | 30.94    | 27.7     | 2.48   | 32.96  | -      | -       | P       | V       |
|                       |                                                                            | 959.4     | 33.15      | -12.85 | 46         | 30.12    | 31.08    | 2.79   | 31.65  | -      | -       | P       | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



**Note symbol**

|     |                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| *   | <b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| !   | Test result is <b>over limit</b> line.                                                                                                                   |
| P/A | <b>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  | Cable  | 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. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

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

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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) + Cable 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”.**



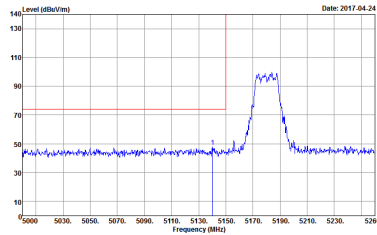
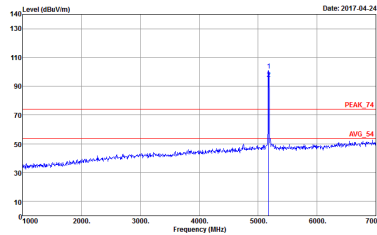
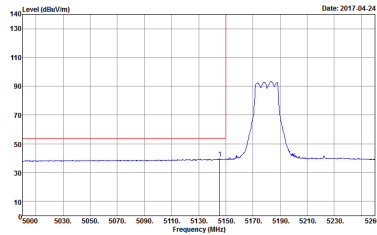
## Appendix D. Radiated Spurious Emission

|                        |                                        |                            |         |
|------------------------|----------------------------------------|----------------------------|---------|
| <b>Test Engineer :</b> | Tsung Lee, Stan Hsieh, and Kyle Chuang | <b>Temperature :</b>       | 22~25°C |
|                        |                                        | <b>Relative Humidity :</b> | 44~45%  |

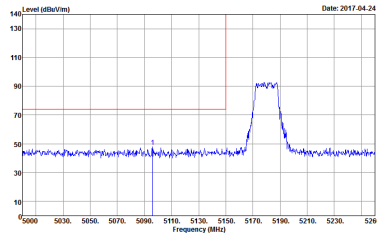
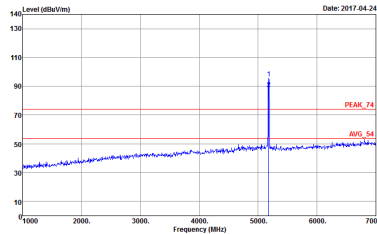
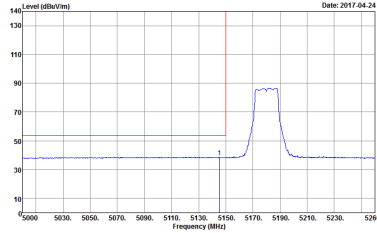
### Note symbol

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

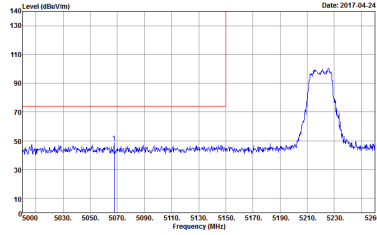
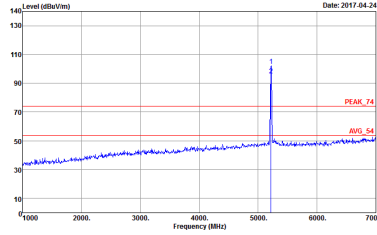
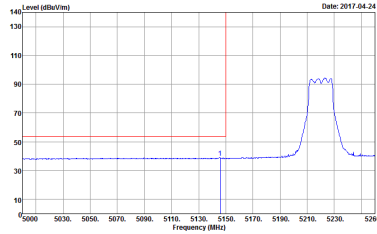
**Band 1 - 5150~5250MHz**
**WIFI 802.11a (Band Edge @ 3m)**

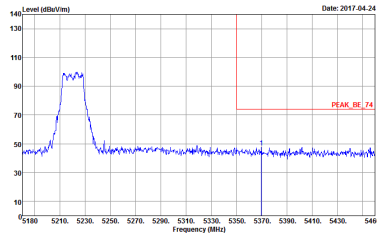
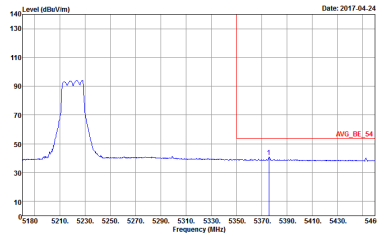
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                              |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                                                  |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 1         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 1         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000kHz VBW:1000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 1         </p>    | Left blank                                                                                                                                                                                                                                                                                                                                   |



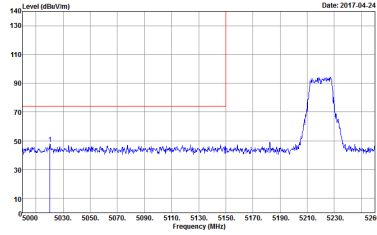
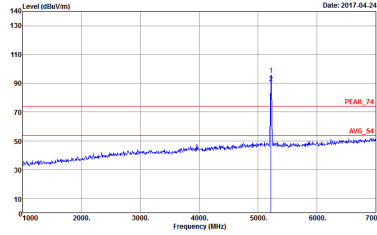
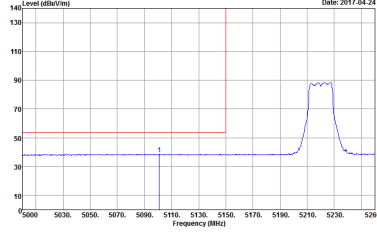
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                  |
| 1+2  | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 740120<br/>Mode : 1</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 740120<br/>Mode : 1</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 740120<br/>Mode : 1</p></div>   | Left blank                                                                                                                                                                                                                                                       |

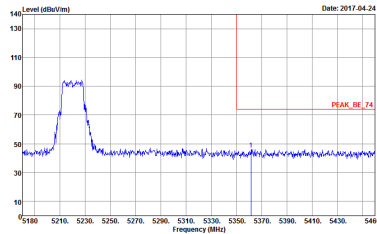
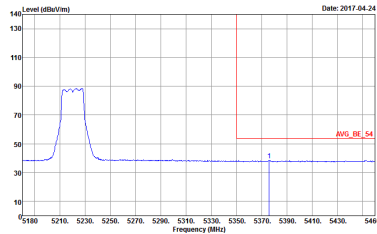


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 2</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 2</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 2</p></div>   | Left blank                                                                                                                                                                                                                                                                  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                                                                                                       |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                     | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 2         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 2         </p>   | Left blank  |

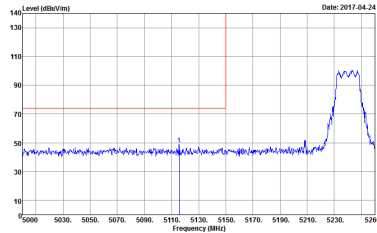
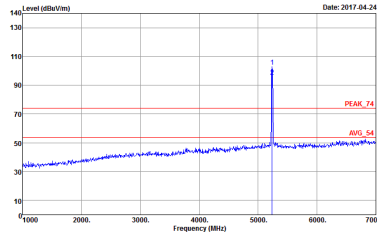
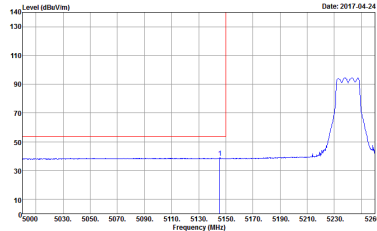


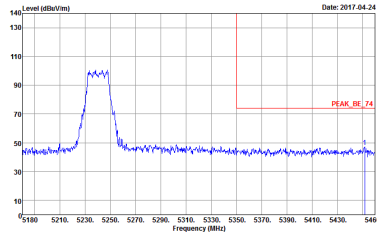
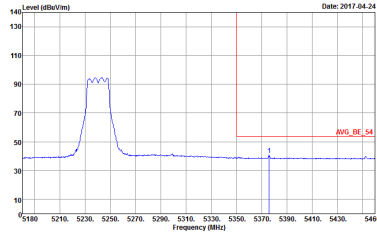
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                           |
| 1+2  | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 2</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 2</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 2</p></div>   | Left blank                                                                                                                                                                                                                                                                |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                          |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 2</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 2</p>   | Left blank  |

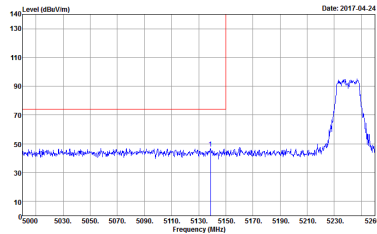
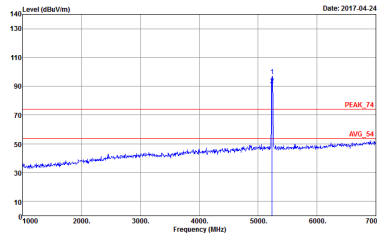
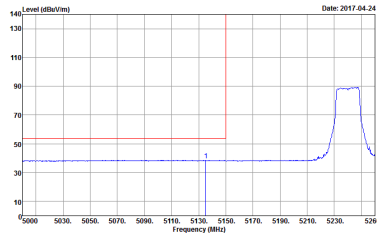


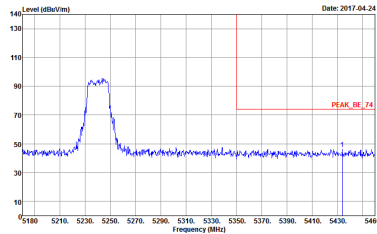
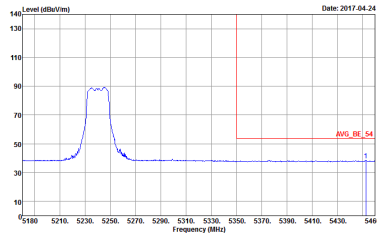


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 3</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 3</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 3</p></div>   | Left blank                                                                                                                                                                                                                                                                  |

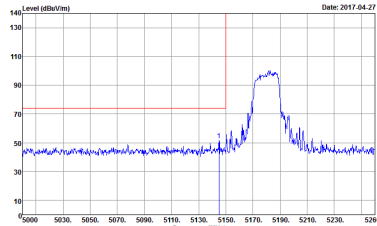
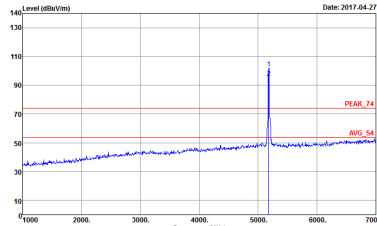
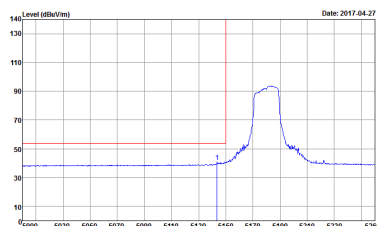
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                  |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                            |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 3</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 3</p>   | Left blank  |

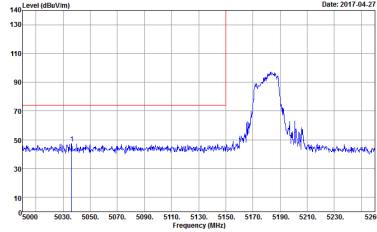
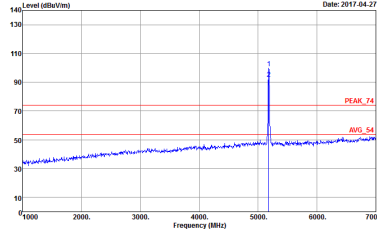
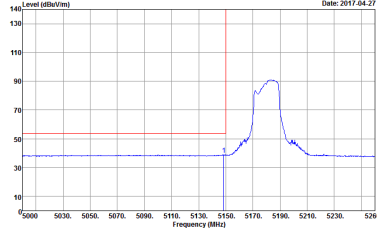


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 3<br/>Date: 2017-04-24</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 3<br/>Date: 2017-04-24</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 3<br/>Date: 2017-04-24</p></div>   | Left blank                                                                                                                                                                                                                                                                                     |

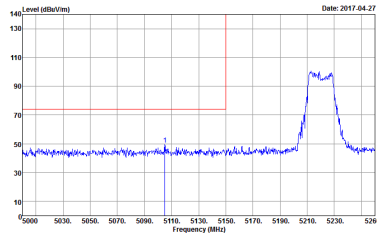
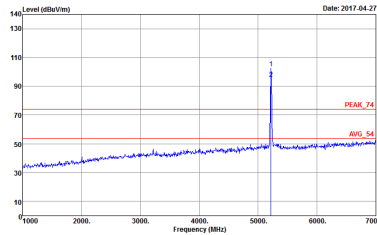
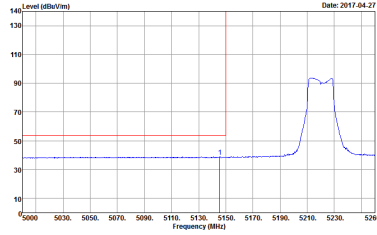
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                                                                                                     |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                     | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 3         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 3         </p>   | Left blank  |

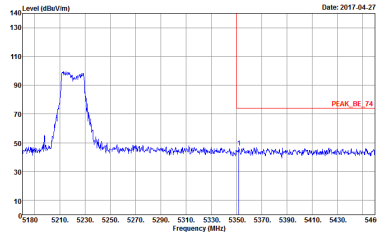
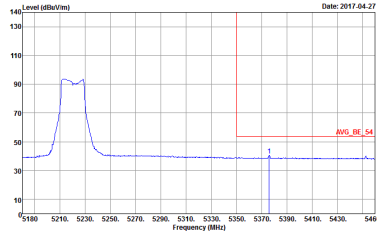
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                         |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                             |
| <b>Peak</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_BE_74 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 10</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 10</p> |
| <b>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : AVG_BE_54 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 10</p>   | <b>Left blank</b>                                                                                                                                                                                                                                                       |

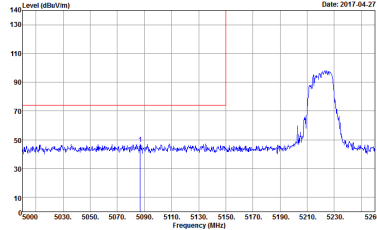
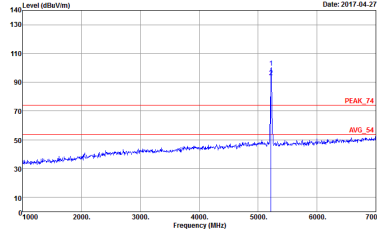
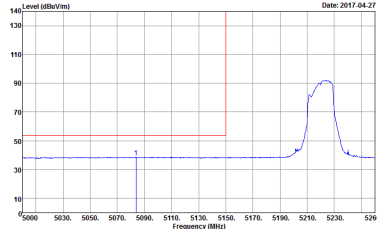
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                                                                                 |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 10         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 10         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 10         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                  |

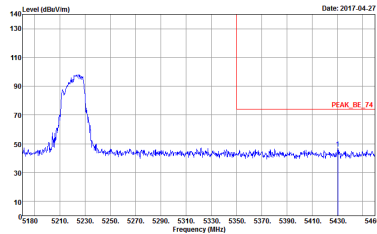
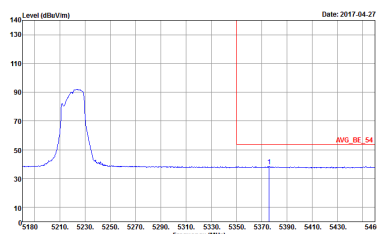


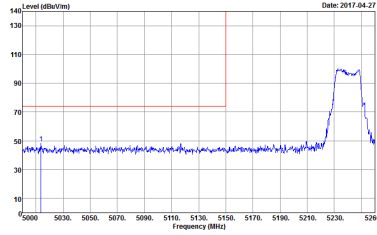
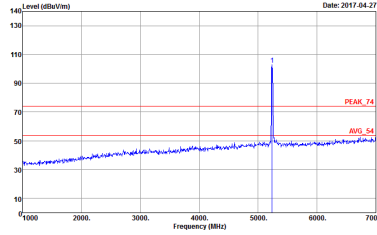
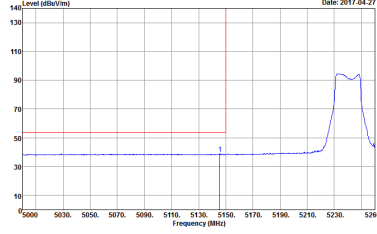
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                              |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 11</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 11</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 11</p></div>   | Left blank                                                                                                                                                                                                                                                                   |

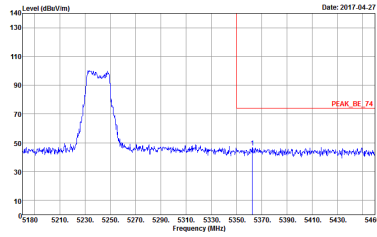
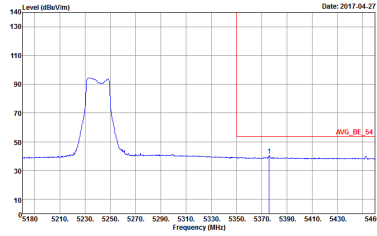
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                        |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 11</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 11</p>   | Left blank  |

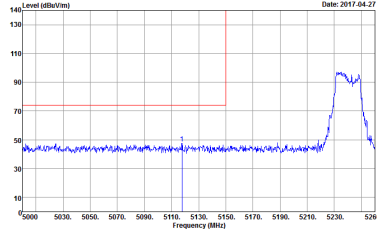
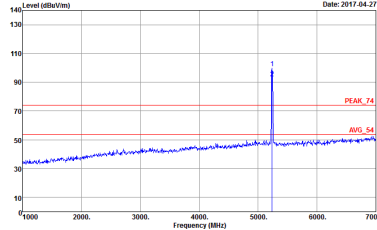
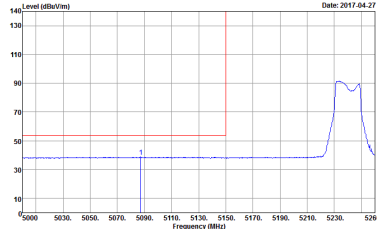


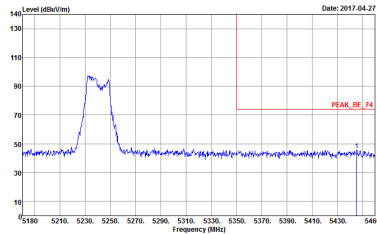
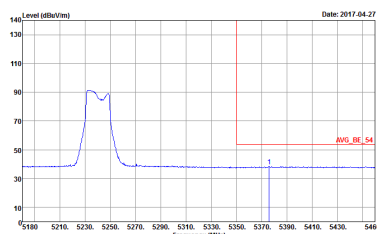
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                     |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 11         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 11         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 11         </p> | Left blank                                                                                                                                                                                                                                                                          |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                                                                                                 |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : I1         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : I1         </p>   | Left blank  |

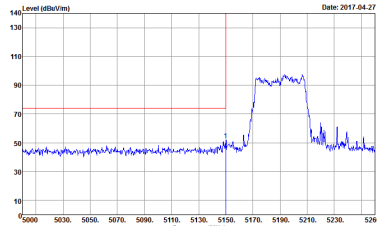
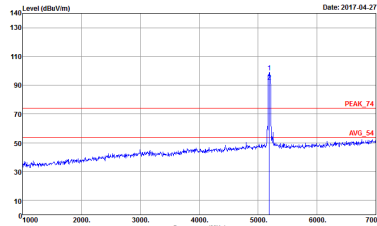
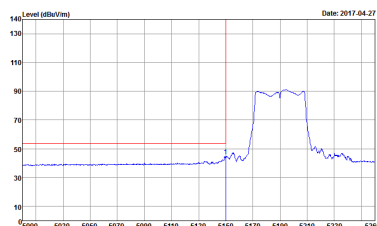
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                               |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                                                                                   |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 12         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 12         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 12         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                    |

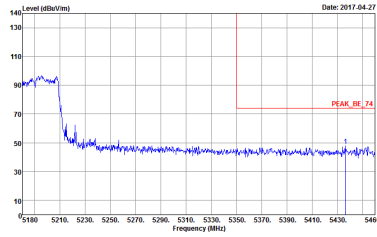
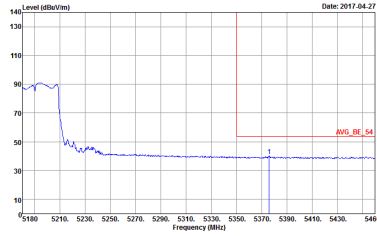
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                                        |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 12</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 12</p>   | Left blank  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                                                                                 |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 12         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 12         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 12         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                  |

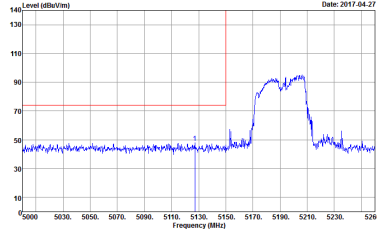
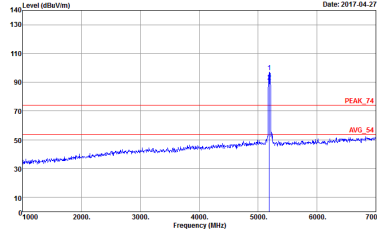
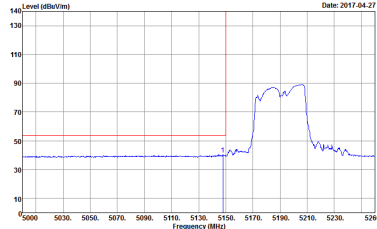
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                                                                                                                 |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 12         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 12         </p>   | Left blank  |

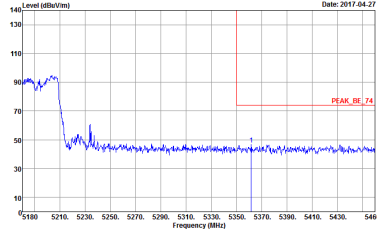
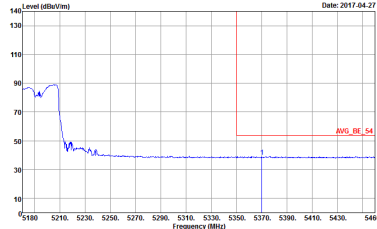
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

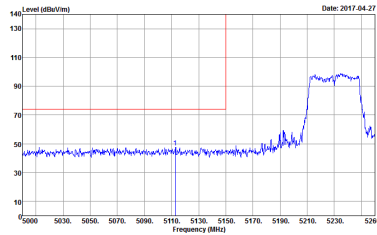
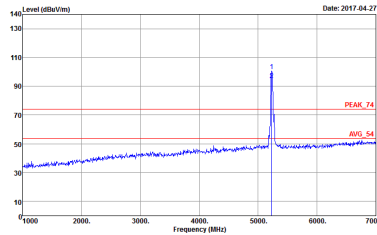
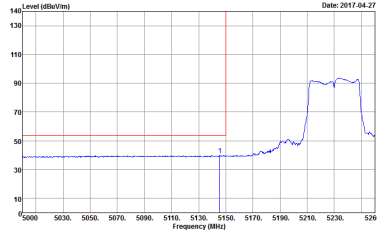
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                           |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                |                                                                                                                                                                                                                           |
| 1+2         | Horizontal                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                               |
| <b>Peak</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 19</p>  |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 19</p> |
| <b>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 19</p> | <b>Left blank</b>                                                                                                                                                                                                         |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                               |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                                                                                                                    |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                       | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 19         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 19         </p> | Left blank  |

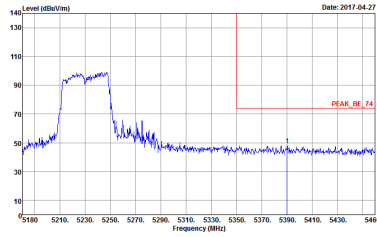
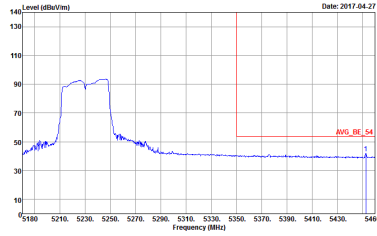


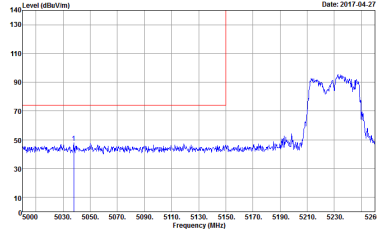
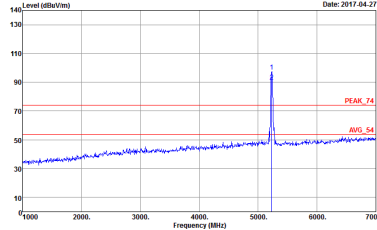
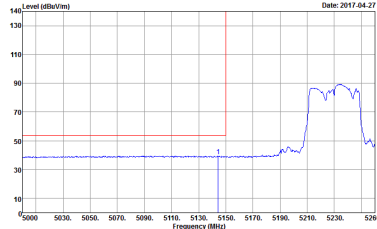
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                                                                 |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 19         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 19         </p> |
| Avg. |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 19         </p> | Left blank                                                                                                                                                                                                                                                                                                                                  |

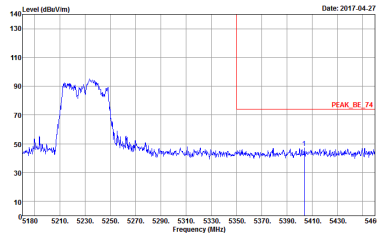
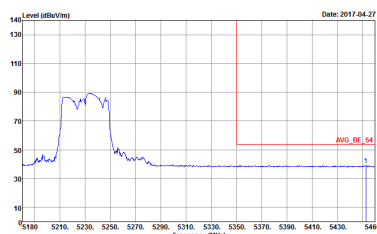
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                                                                                                                  |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                       | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 19         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 19         </p> | Left blank  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                               |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                                                                   |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 20         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 20         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 20         </p> | Left blank                                                                                                                                                                                                                                                                                                                                    |

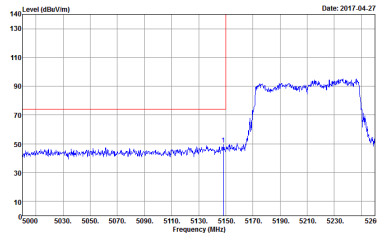
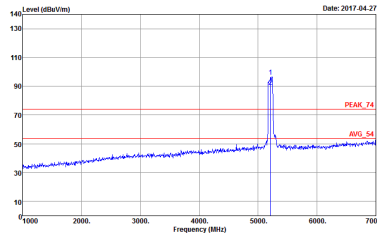
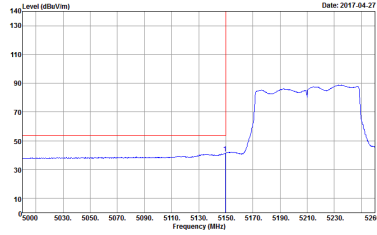


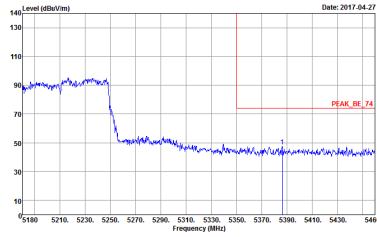
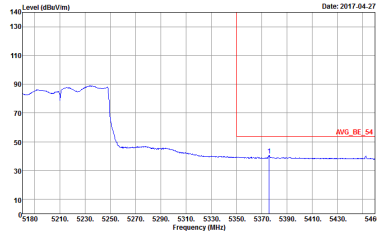
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                              |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                                   |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 20</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 20</p></div> | Left blank  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                     |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 20         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 20         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 20         </p> | Left blank                                                                                                                                                                                                                                                                          |

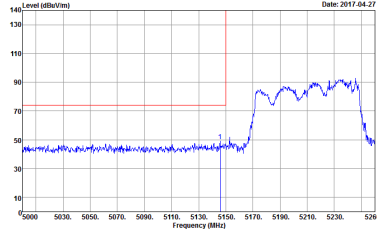
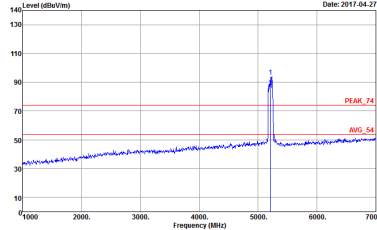
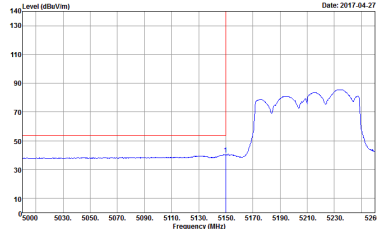
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                                                                                                  |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                       | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z0         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z0         </p> | Left blank  |

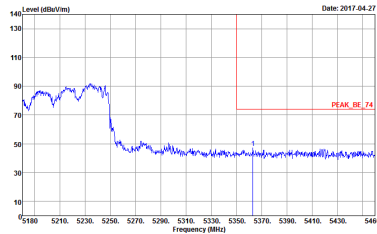
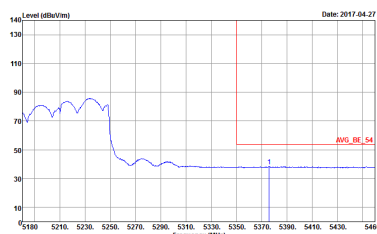
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                           |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                                                                               |
| <b>Peak</b> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 740120<br/>           Mode : 26         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 740120<br/>           Mode : 26         </p> |
| <b>Avg.</b> |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Project : 740120<br/>           Mode : 26         </p>   | Left blank                                                                                                                                                                                                                                                                                                                |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                                                                                                                 |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z6         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z6         </p>   | Left blank  |

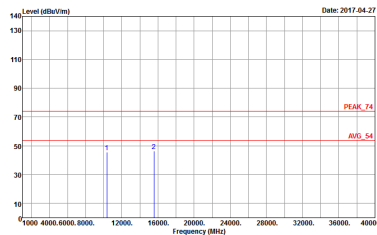
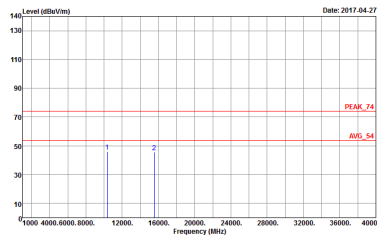


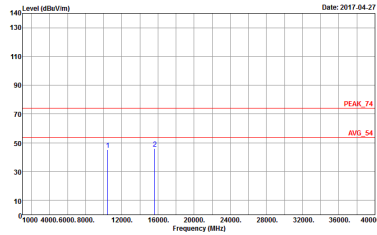
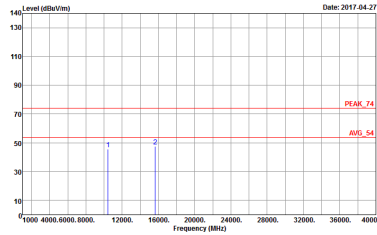
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                     |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z6         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z6         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z6         </p> | Left blank                                                                                                                                                                                                                                                                          |

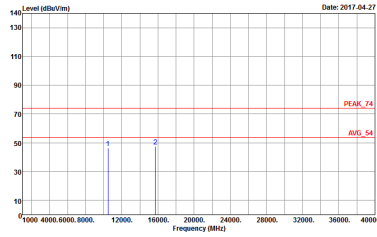
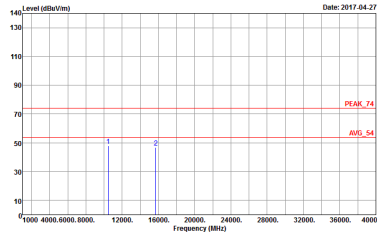
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                 |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                                    |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : Z6</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z6</p>   | Left blank  |

Band 1 - 5150~5250MHz

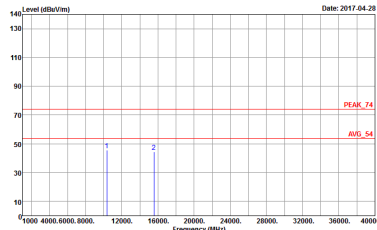
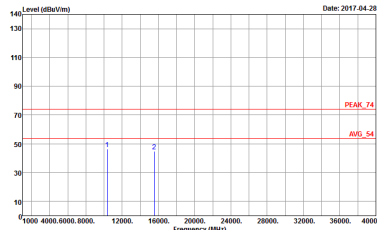
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH36 5180MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>Site : 03CH10-11V<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1</p> |  <p>Site : 03CH10-11V<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1</p> |

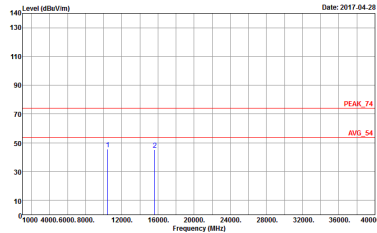
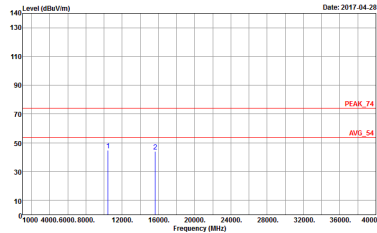
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 2</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 2</p> |
|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                     |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>           Site : 03CH10-11Y<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 3         </p> |  <p>           Site : 03CH10-11Y<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 3         </p> |
|              |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                     |

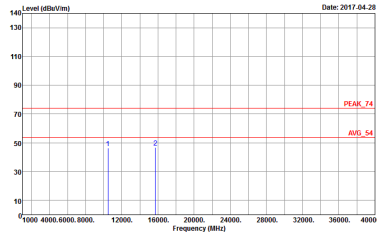
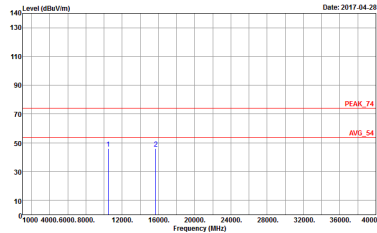
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                |                                                                                                                                                                                                                         |
| 1+2          | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 10</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 10</p> |



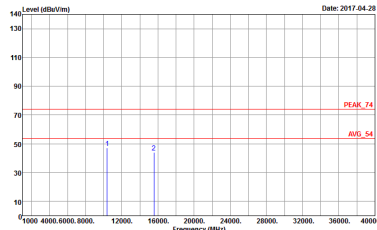
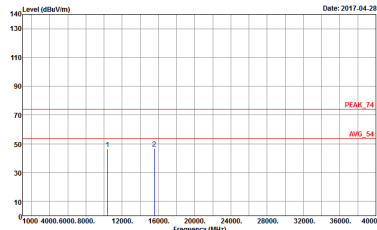
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH44 5220MHz                                                                                                                                                                                             |                                                                                                                                                                                                                      |
| 1+2          | Horizontal                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                             |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 11</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 11</p> |
|              |                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |



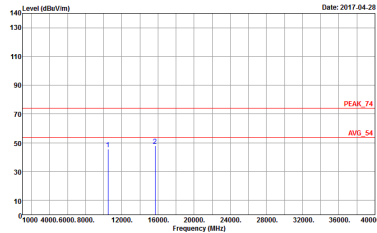
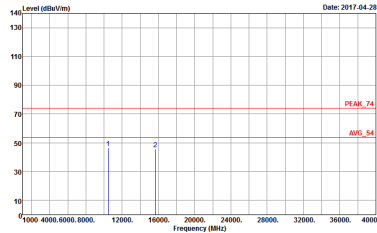
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH48 5240MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                                |
| 1+2          | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 12</p></div> | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 12</p></div> |
|              |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |



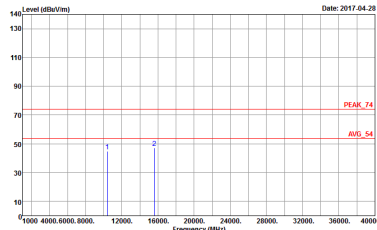
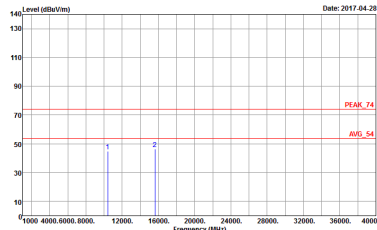
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                 | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11n HT40 CH38 5190MHz                                                                                                                                                                                                |                                                                                                                                                                                                                         |
| 1+2                  | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| <b>Peak<br/>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 19</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 19</p> |

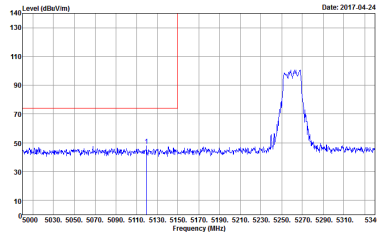
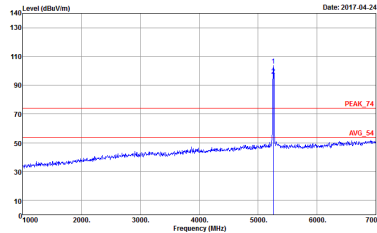
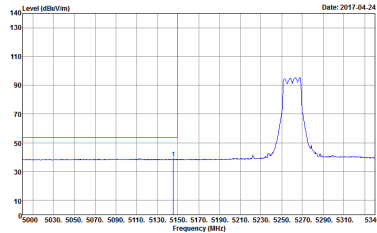


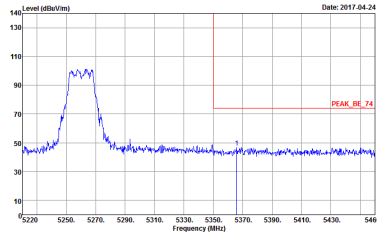
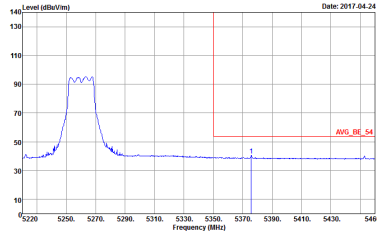
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH46 5230MHz                                                                                                                                                                                             |                                                                                                                                                                                                                      |
| 1+2          | Horizontal                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                             |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 20</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 20</p> |
|              |                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |

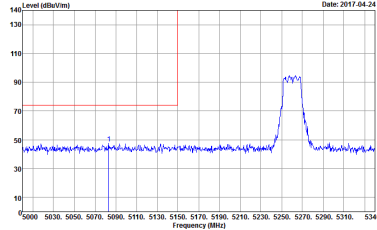
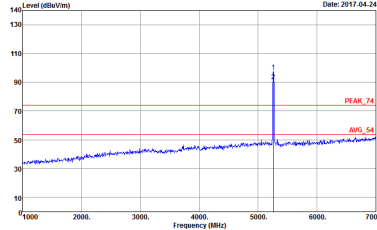
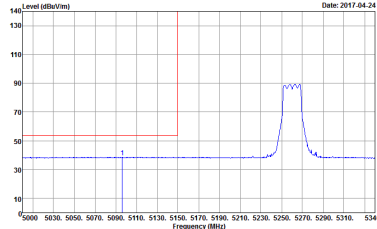
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI                 | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 CH42 5210MHz                                                                                                                                                                                              |                                                                                                                                                                                                                         |
| 1+2                  | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| <b>Peak<br/>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z6</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z6</p> |

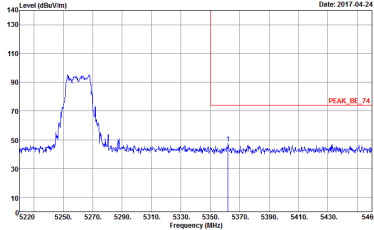
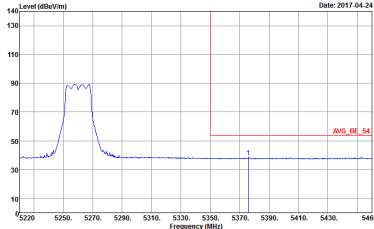
**Band 2 - 5250~5350MHz**
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                              |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                                                  |
| <b>Peak</b> |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 4         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 4         </p> |
|             |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000kHz VBW:1000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 4         </p>    | <b>Left blank</b>                                                                                                                                                                                                                                                                                                                            |

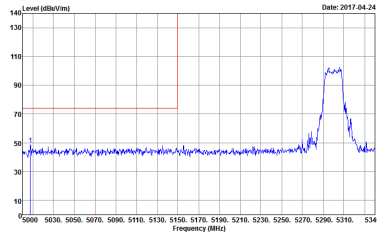
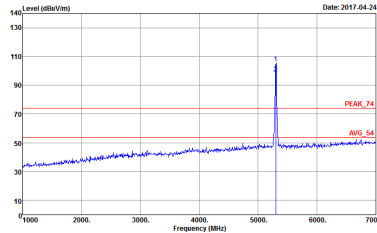
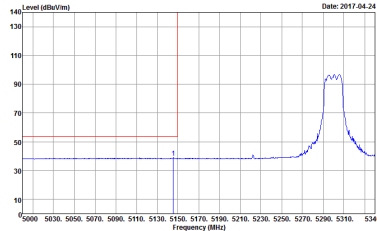
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                  |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                            |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 4</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 4</p>   | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                                                |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 4         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 4         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 4         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                 |



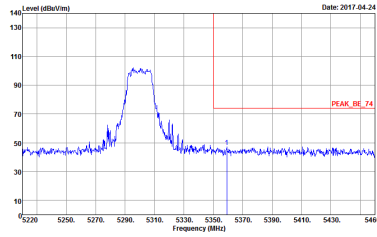
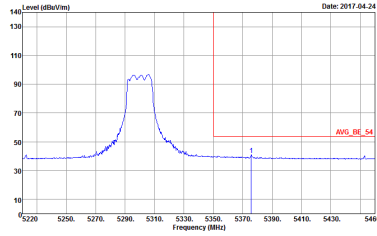
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                    |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 4</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 4</p></div>   | Left blank  |



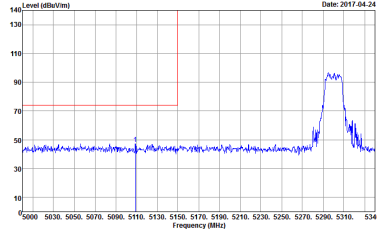
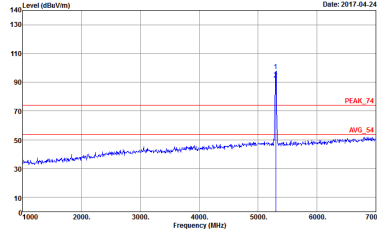
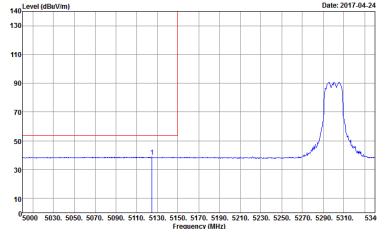
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 5</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p></div>   | Left blank                                                                                                                                                                                                                                                                  |

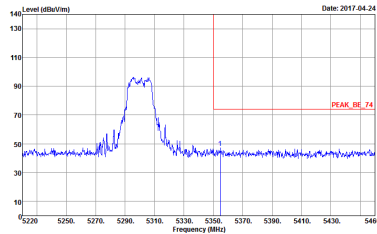
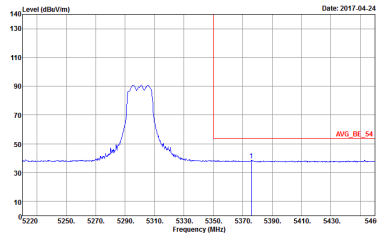


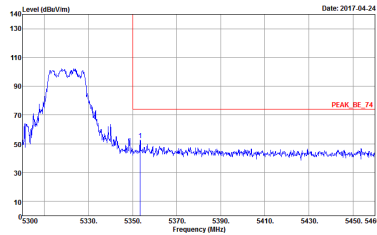
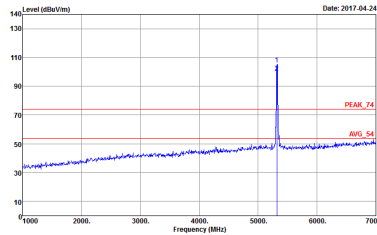
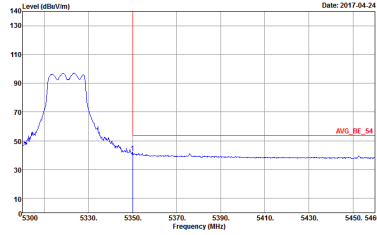


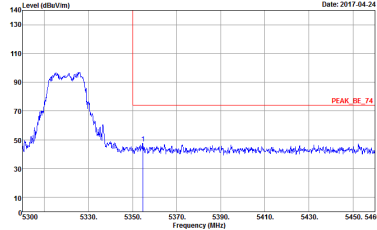
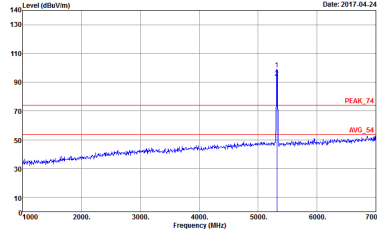
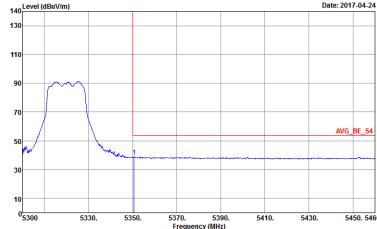
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                            |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                                      |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 5</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p></div>   | Left blank  |



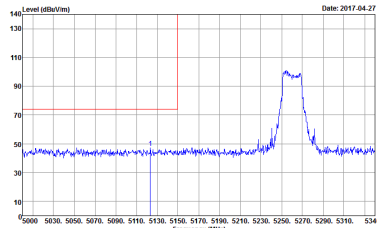
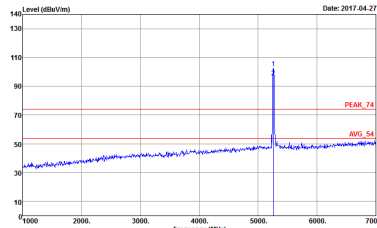
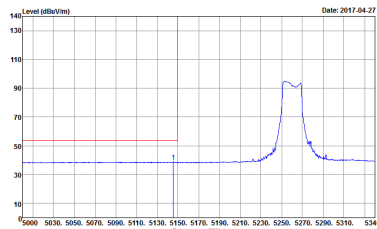
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                           |
| 1+2  | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 5</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p></div>   | Left blank                                                                                                                                                                                                                                                                |

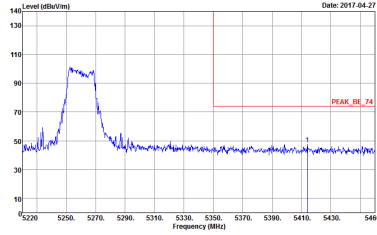
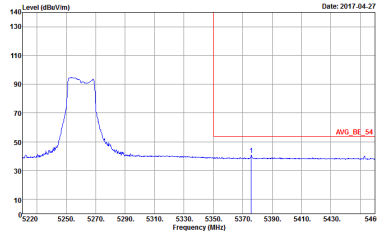
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                          |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 5</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p>   | Left blank  |

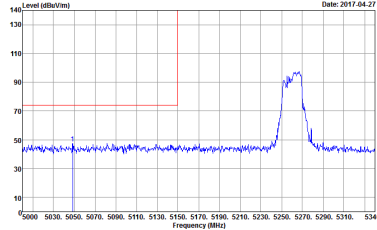
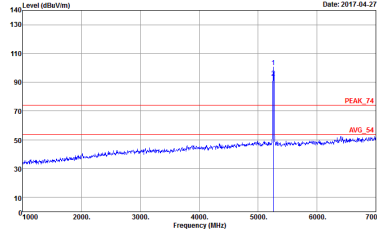
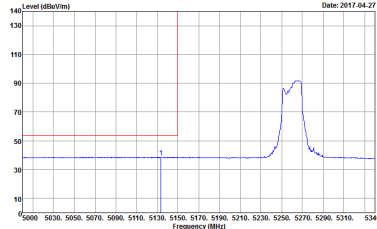
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                      |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                          |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 6         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 6         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 6         </p> | Left blank                                                                                                                                                                                                                                                                           |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                      |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                                                                          |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Project : 740120<br/>           Mode : 6         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Project : 740120<br/>           Mode : 6         </p> |
|      |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Project : Peak<br/>           Project : 740120<br/>           Mode : 6         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                           |

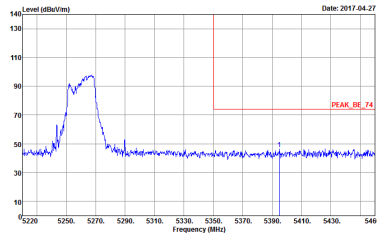
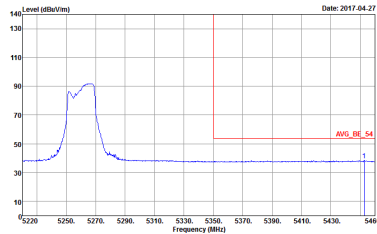
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

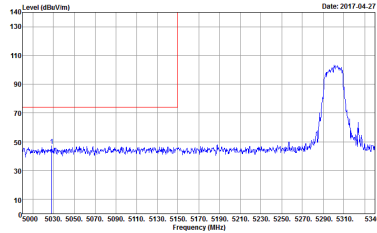
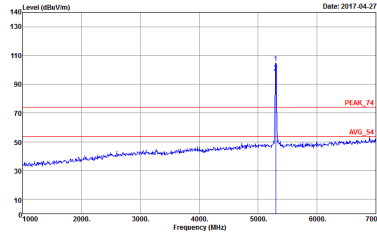
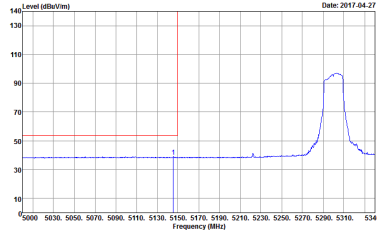
| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                          |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                              |
| <b>Peak</b> |  <p>Site : 03CH10-IHY<br/> Condition : PEAK_BE_74 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 13</p> |  <p>Site : 03CH10-IHY<br/> Condition : PEAK_74 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 13</p> |
| <b>Avg.</b> |  <p>Site : 03CH10-IHY<br/> Condition : AVG_BE_54 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 13</p>    | <b>Left blank</b>                                                                                                                                                                                                                                                        |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                                                                                                                   |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 13         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 13         </p>   | Left blank  |

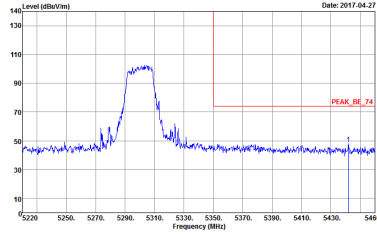
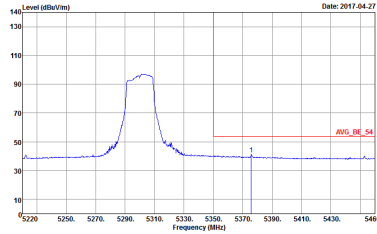
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                                                                                 |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 13         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 13         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 13         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                  |

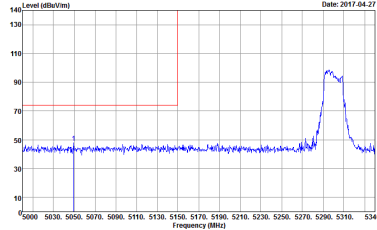
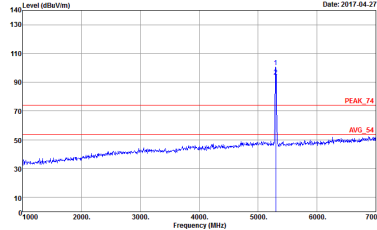
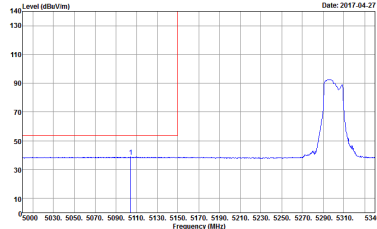


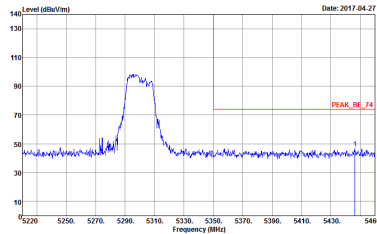
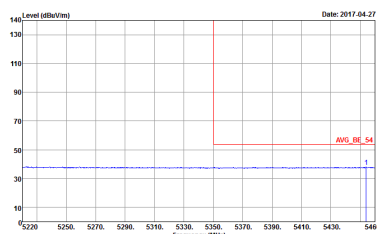
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                                                                                                                 |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 13         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 13         </p>   | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                               |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                                                                                   |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 14         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 14         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000kHz VBW:1.000kHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 14         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                    |

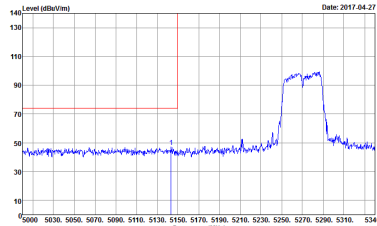
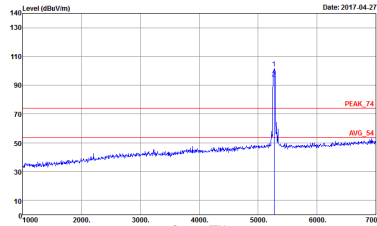
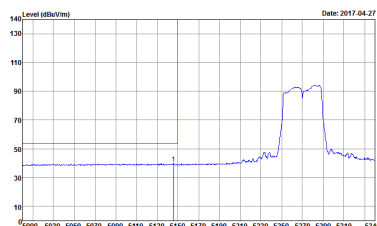


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                             |            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                                  |            |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                     | Vertical   |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : 14</p></div> | Left blank |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 14</p></div>   | Left blank |

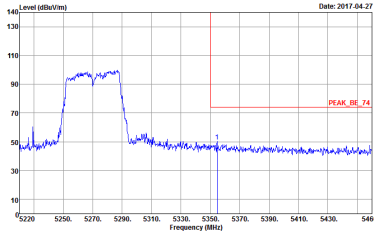
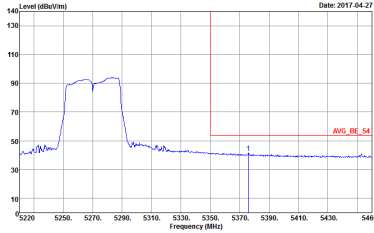
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                                                                                 |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 14         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 14         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 14         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                                                                                                 |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 14         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 14         </p>   | Left blank  |

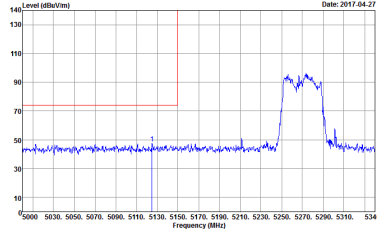
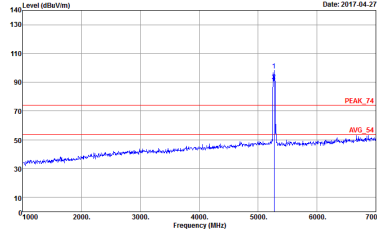
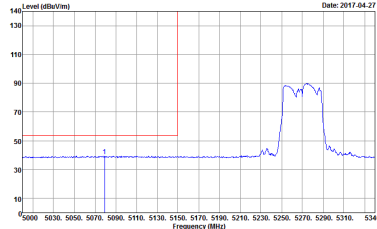
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                            |                                                                                                                                                                                                                            |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                    |                                                                                                                                                                                                                            |
| 1+2         | Horizontal                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                |
| <b>Peak</b> |  <p>Site : 03CH100-HY<br/> Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z1</p>  |  <p>Site : 03CH100-HY<br/> Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z1</p> |
| <b>Avg.</b> |  <p>Site : 03CH100-HY<br/> Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z1</p> | <b>Left blank</b>                                                                                                                                                                                                          |

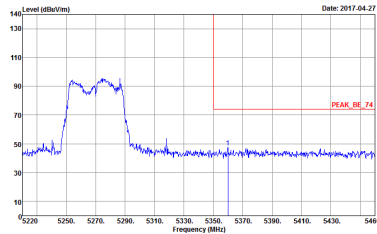
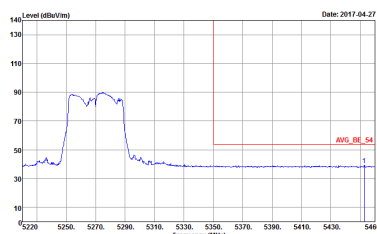


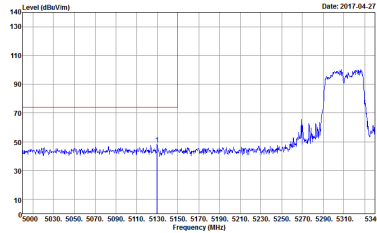
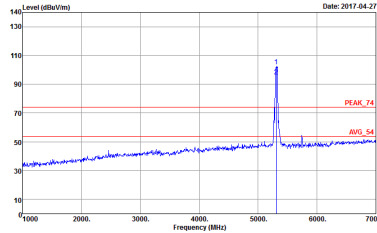
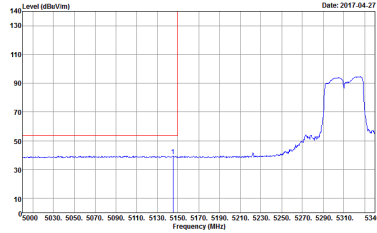
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                              |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                                                      |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z1</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z1</p></div> | Left blank  |



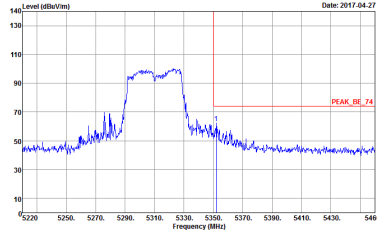
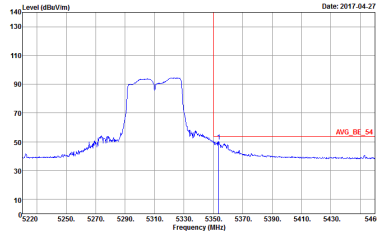
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                            |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z1</p></div>  | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z1</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z1</p></div> | Left blank                                                                                                                                                                                                                                                                 |



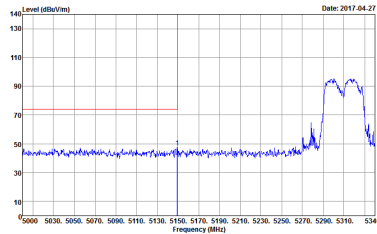
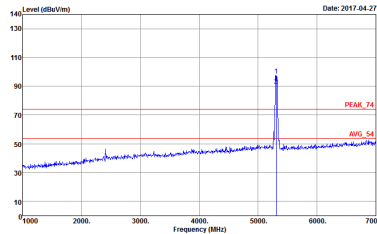
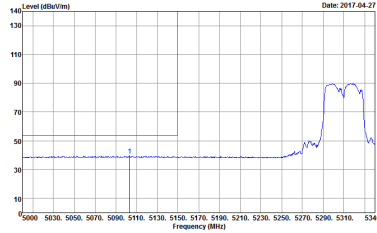
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                                     |            |
| 1+2  | Vertical                                                                                                                                                                                                                                                       | Vertical   |
| Peak |  <p>Site: 03CH10-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: 740120<br/>Mode: Z1</p>  | Left blank |
| Avg. |  <p>Site: 03CH10-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: 740120<br/>Mode: Z1</p> | Left blank |

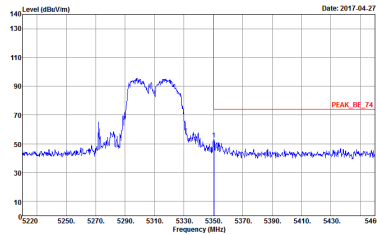
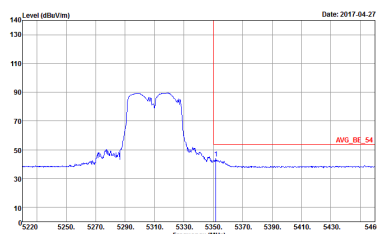
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                    |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : ZZ</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : ZZ</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : ZZ</p> | Left blank                                                                                                                                                                                                                                                         |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                              |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                                      |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z2</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z2</p></div> | Left blank  |



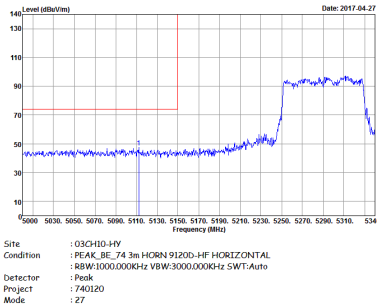
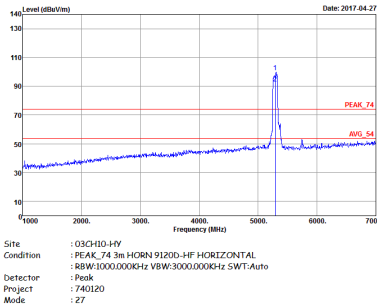
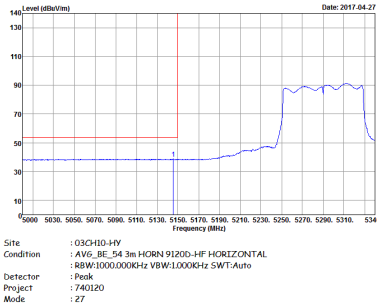
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                            |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z2</p></div>  | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z2</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z2</p></div> | Left blank                                                                                                                                                                                                                                                                 |

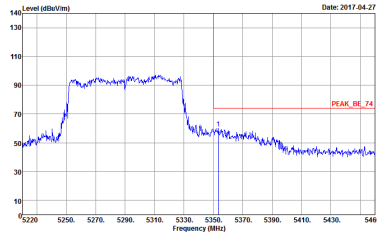
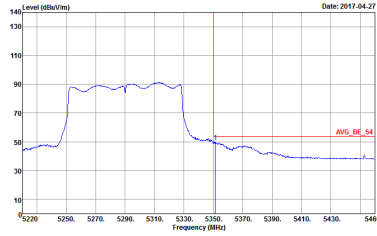
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                     |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak |  <p>Site: 03CH10-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: 740120<br/>Mode: Z2</p>  | Left blank  |
| Avg. |  <p>Site: 03CH10-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: 740120<br/>Mode: Z2</p> | Left blank  |

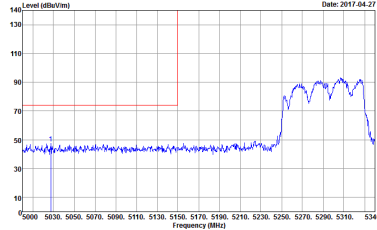
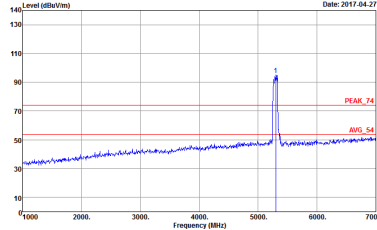
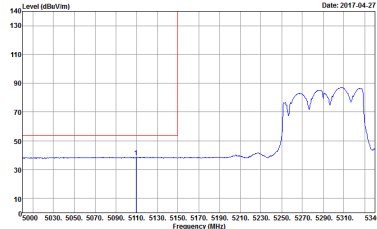


Band 2 5250~5350MHz

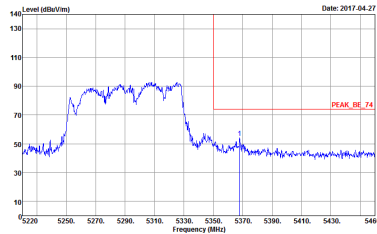
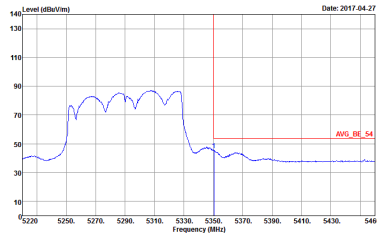
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                  |                                                                                    |
|------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - L                                                     |                                                                                    |
| 1+2  | Horizontal                                                                          | Fundamental                                                                        |
| Peak |    |  |
| Avg. |  | Left blank                                                                         |

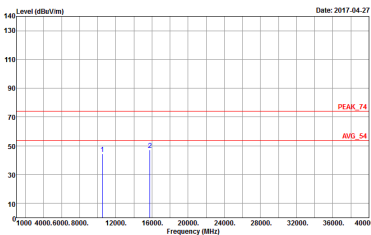
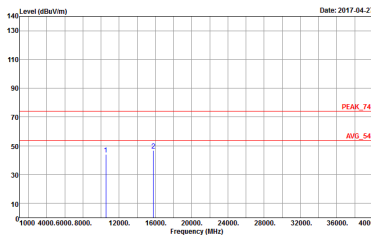
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                                      |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 27</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 27</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 : 03CH10-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 : 740120<br/>Mode : Z7</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z7</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z7</p>   | Left blank                                                                                                                                                                                                                                                       |

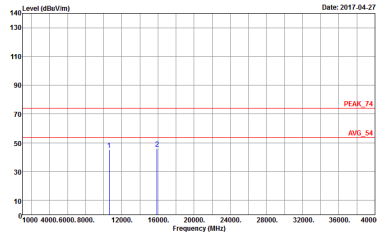
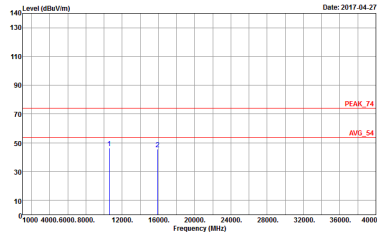


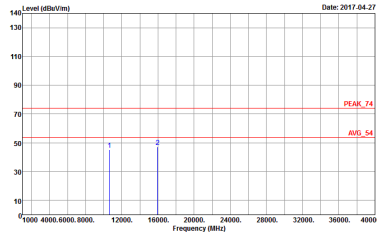
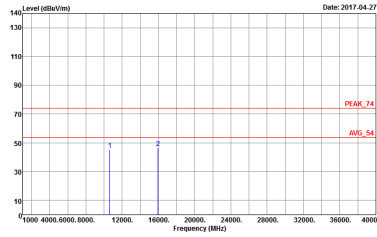
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                                                                                                               |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z7         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z7         </p>   | Left blank  |

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

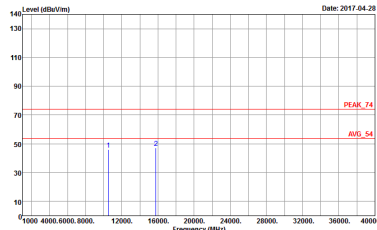
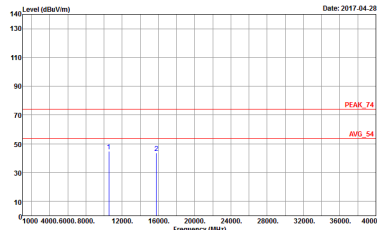
| WIFI                           | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                      |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11a CH52 5260MHz                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                      |
| 1+2                            | Horizontal                                                                                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                                                                                             |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH10-11Y<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : -4         </p> |  <p>           Site : 03CH10-11Y<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : -4         </p> |
|                                |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                      |



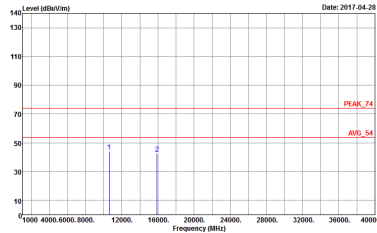
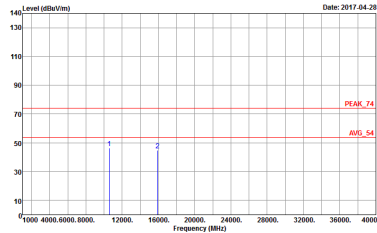
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH60 5300MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 5</p> |
|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH64 5320MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 6</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 6</p> |
|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |

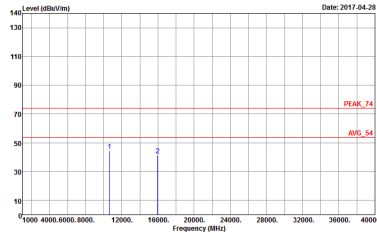
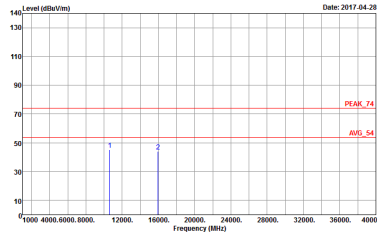
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH52 5260MHz                                                                                                                                                                                                |                                                                                                                                                                                                                         |
| 1+2          | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 13</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 13</p> |

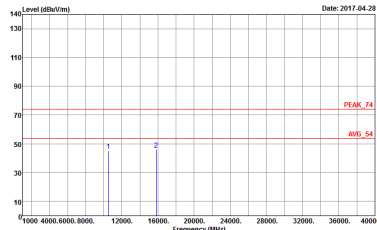
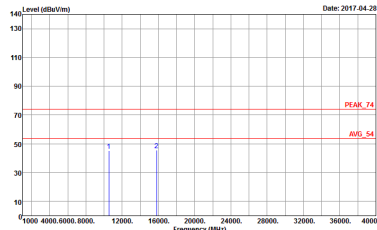


| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH60 5300MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                                |
| 1+2          | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 14</p></div> | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 14</p></div> |
|              |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |



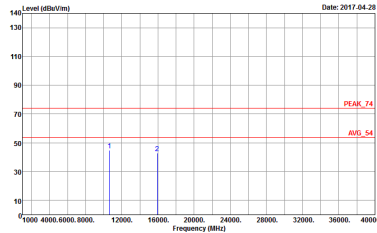
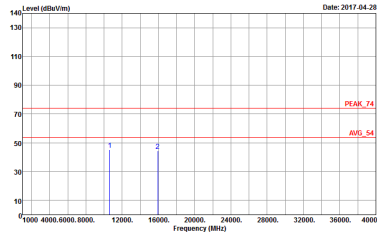
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                             |                                                                                                                                                                                                                      |
| 1+2          | Horizontal                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                             |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 15</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 15</p> |
|              |                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |

**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                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z1</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z1</p> |

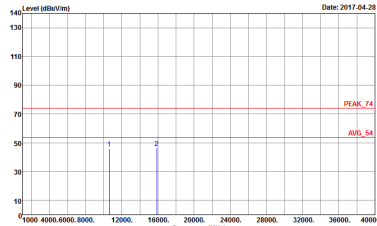
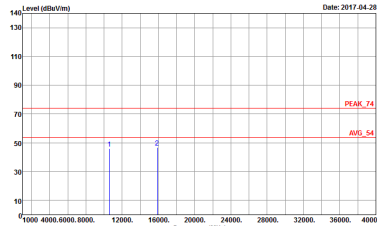




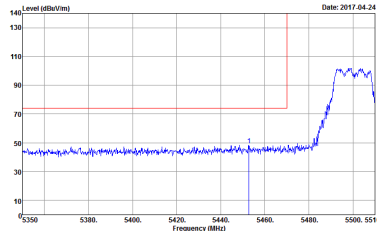
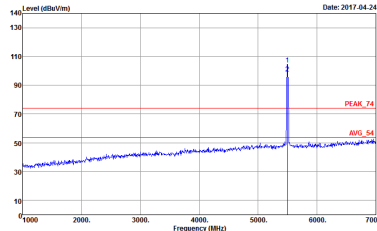
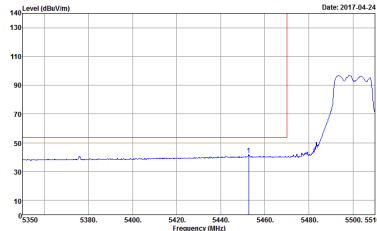
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH62 5310                                                                                                                                                                                                |                                                                                                                                                                                                                      |
| 1+2          | Horizontal                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                             |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 22</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 22</p> |
|              |                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |

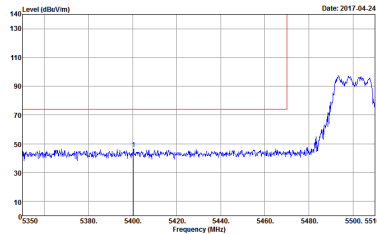
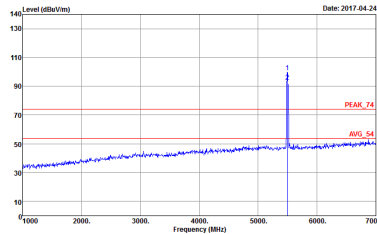
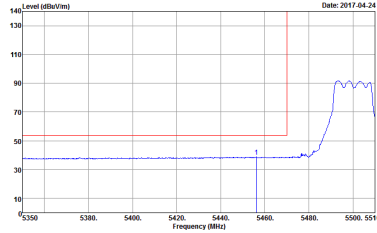


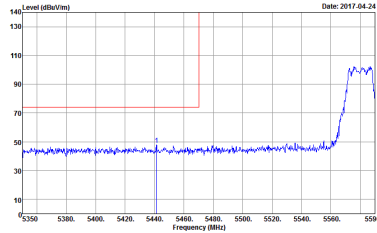
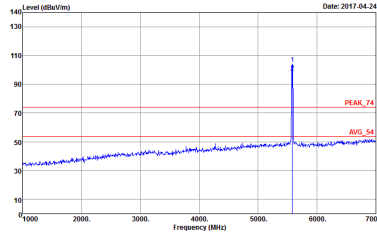
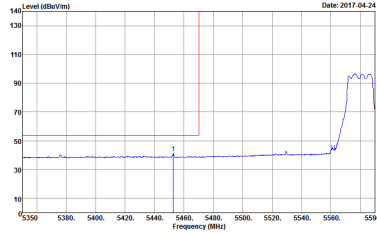
Band 2 5250~5350MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)

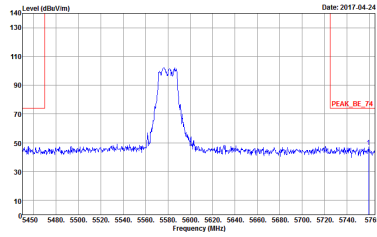
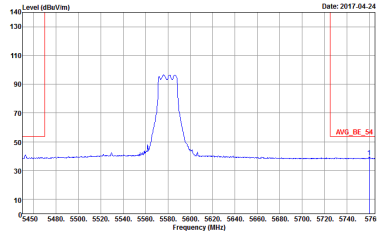
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                               |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH58 5290MHz                                                                                                                                                                                                    |                                                                                                                                                                                                                               |
| 1+2          | Horizontal                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                      |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z7</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z7</p></div> |

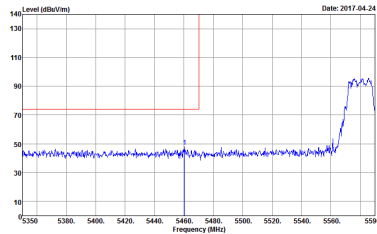
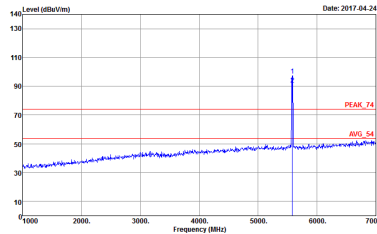
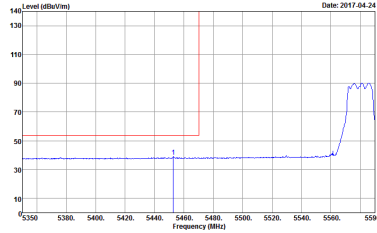
**Band 3 - 5470~5725MHz**
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH100 5500MHz                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                           |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                               |
| <b>Peak</b> |  <p> Site : 03CH100-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 : 740120<br/> Mode : 7 </p> |  <p> Site : 03CH100-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 7 </p> |
| <b>Avg.</b> |  <p> Site : 03CH100-HY<br/> Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/> RBW:1000.000kHz VBW:1000kHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 7 </p>    | <b>Left blank</b>                                                                                                                                                                                                                                                         |

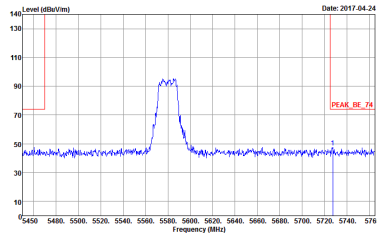
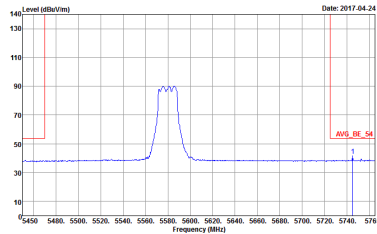
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                              |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                              |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                                                                  |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : 740120<br/>           : 7         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : 740120<br/>           : 7         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : 740120<br/>           : 7         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                   |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                      |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                          |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : B         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : B         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : B         </p> | Left blank                                                                                                                                                                                                                                                                           |

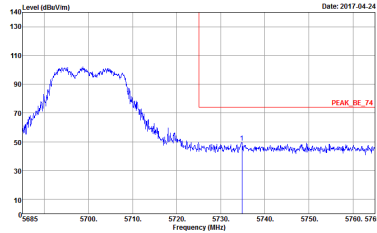
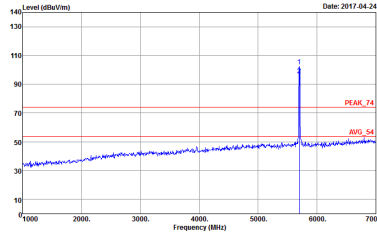
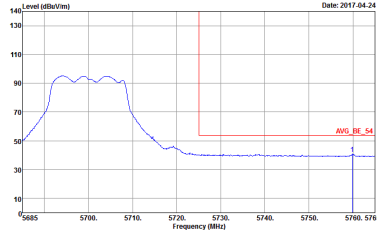
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                  |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                           |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : B</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : B</p>   | Left blank  |

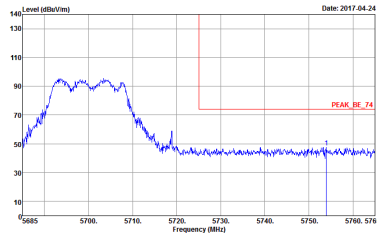
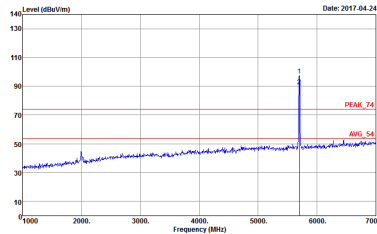
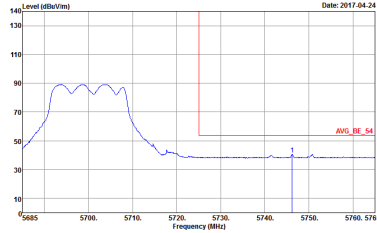
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                        |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : B         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : B         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : B         </p> | Left blank                                                                                                                                                                                                                                                                         |



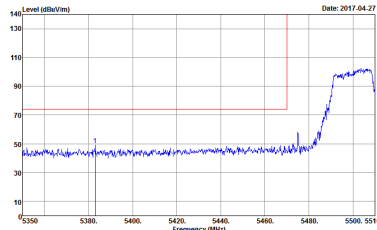
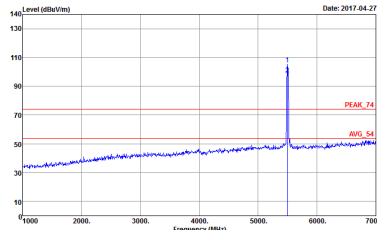
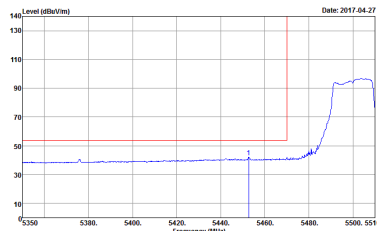
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                 |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                                                          |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : B</p><p>Date: 2017.04.24</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : B</p><p>Date: 2017.04.24</p></div>   | Left blank  |

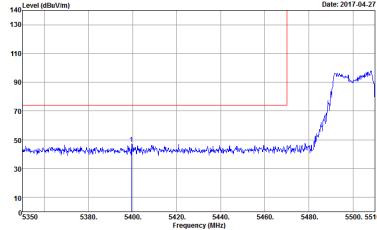
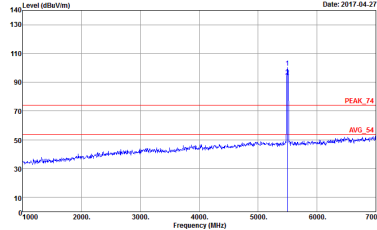
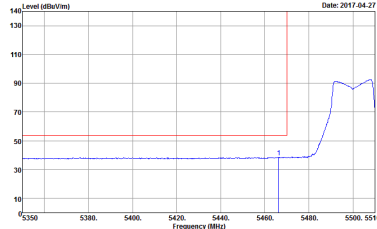


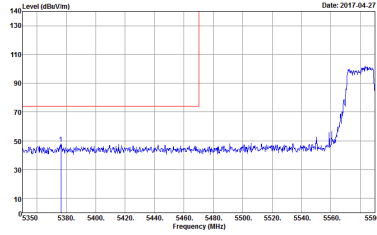
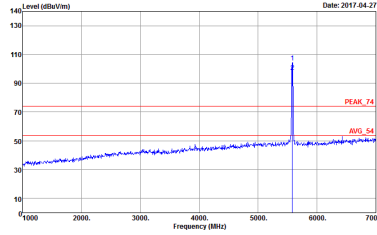
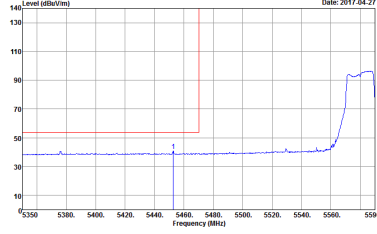
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                      |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                          |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 9         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 9         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 9         </p> | Left blank                                                                                                                                                                                                                                                                           |

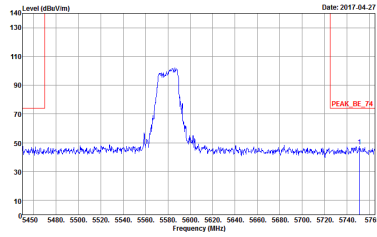
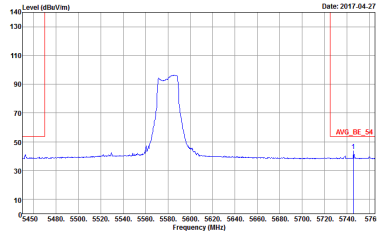
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                              |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                              |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                                                                  |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : 740120<br/>           : 9         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : 740120<br/>           : 9         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : 740120<br/>           : 9         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                   |

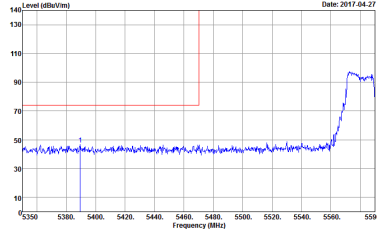
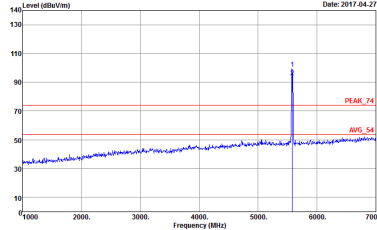
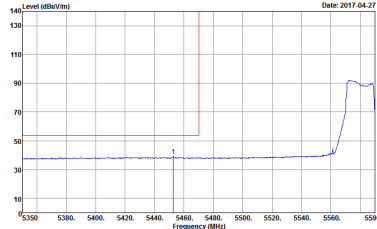
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

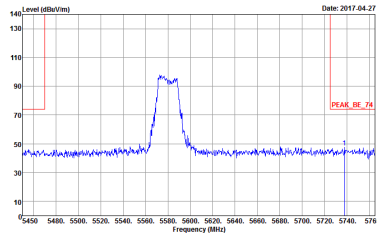
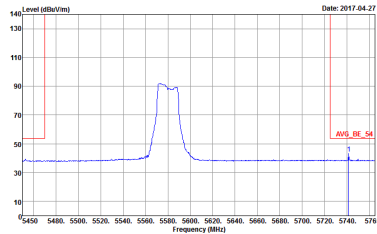
| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                          |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                              |
| <b>Peak</b> |  <p>Site : 03CH100-HY<br/> Condition : PEAK_BE_74 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 16</p> |  <p>Site : 03CH100-HY<br/> Condition : PEAK_74 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 16</p> |
| <b>Avg.</b> |  <p>Site : 03CH100-HY<br/> Condition : AVG_BE_54 3m HORN 9120D-JF HORIZONTAL<br/> RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 16</p>   | <b>Left blank</b>                                                                                                                                                                                                                                                        |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                  |
| 1+2  | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 16</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 16</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 16</p>   | Left blank                                                                                                                                                                                                                                                       |

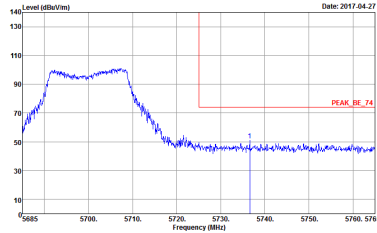
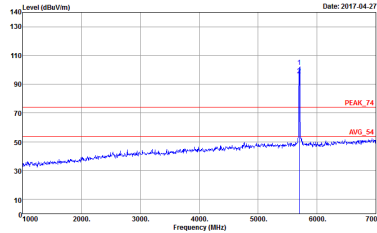
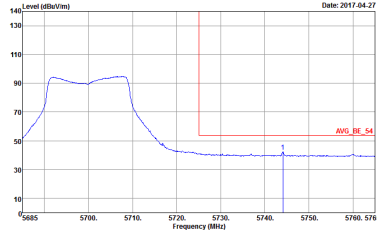
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 17</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 17</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 17</p>   | Left blank                                                                                                                                                                                                                                                         |

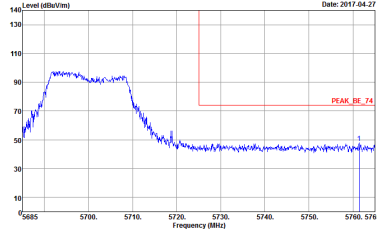
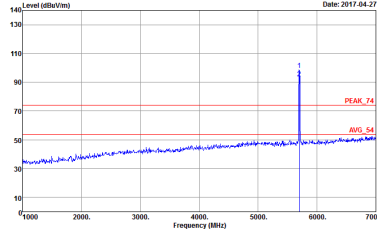
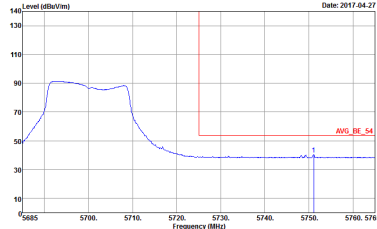
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                       |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                           | Fundamental |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 17</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 17</p>   | Left blank  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                               |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                                                                                                                   |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 17         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 17         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 17         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                    |

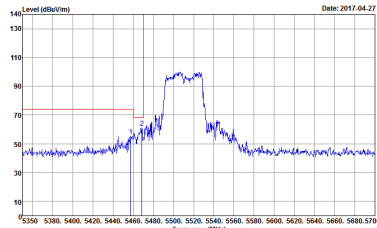
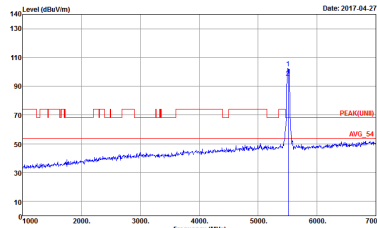
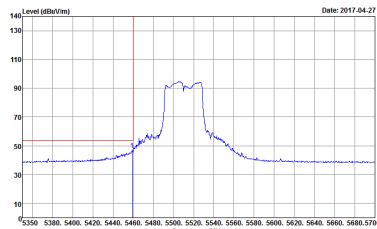
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                                                                                                |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : 17         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 17         </p>   | Left blank  |



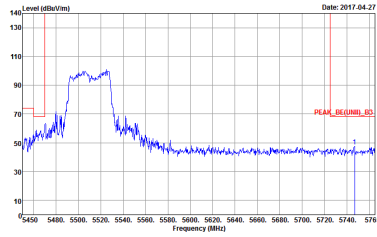
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                               |                                                                                                                                                                                                                       |
| 1+2  | Horizontal                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1B</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1B</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1B</p> | Left blank                                                                                                                                                                                                            |

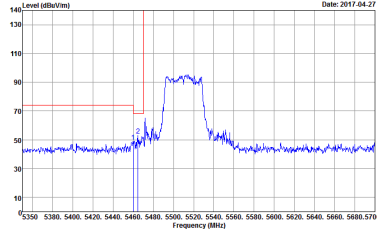
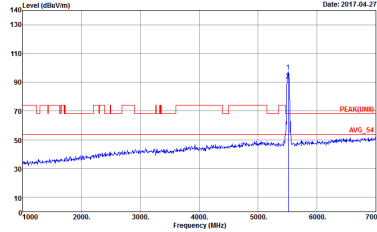
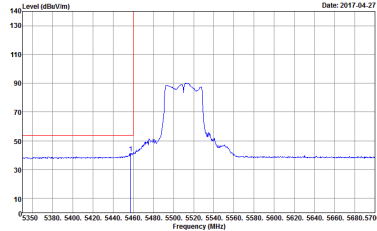
| WIFI  | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                     |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT   | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                             |                                                                                                                                                                                                                     |
| 1+2   | Vertical                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                         |
| Peak. |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1B</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1B</p> |
| Avg.  |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 1B</p> | Left blank                                                                                                                                                                                                          |

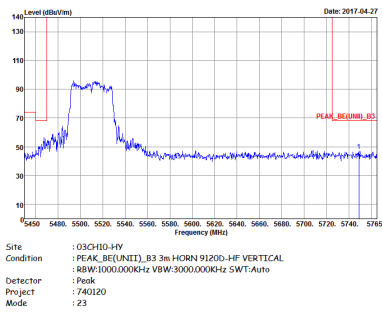
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

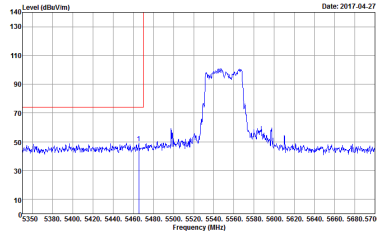
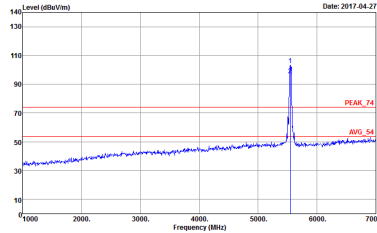
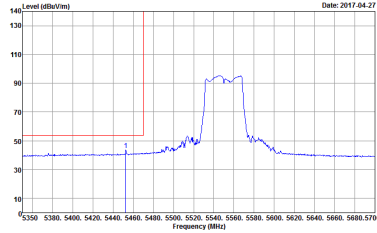
| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                              |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                              |
| 1+2         | Horizontal                                                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                                                  |
| <b>Peak</b> |  <p>Site : 03CH10-IHY<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 : 740120<br/> Mode : Z3</p> |  <p>Site : 03CH10-IHY<br/> Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z3</p> |
| <b>Avg.</b> |  <p>Site : 03CH10-IHY<br/> Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/> RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z3</p>   | <b>Left blank</b>                                                                                                                                                                                                                                                            |

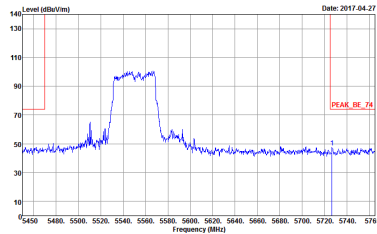
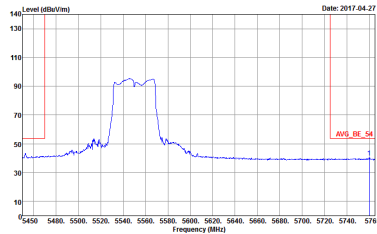


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                                                           |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : USCH10-11V<br/>Condition : PEAK_BE([UNIT]), B3 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z3</p></div> | Left blank  |

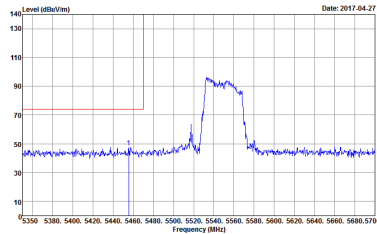
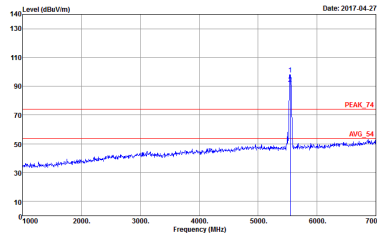
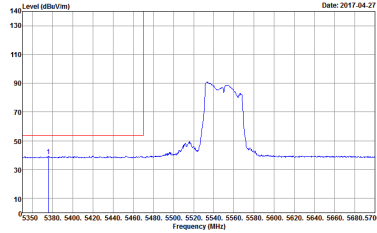
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                 |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                                                                     |
| Peak |  <p>           Site : 03CH10-HY<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 : 740120<br/>           Mode : Z3         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK(UNIT1) 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z3         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE(UNIT1), B3 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z3         </p> | Left blank                                                                                                                                                                                                                                                                                                                                      |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                |             |
|------|-----------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                    |             |
| 1+2  | Vertical                                                                          | Fundamental |
| Peak |  | Left blank  |

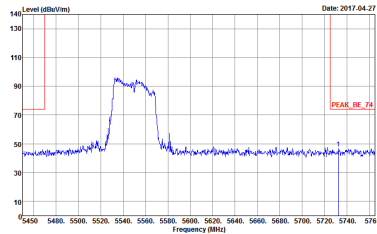
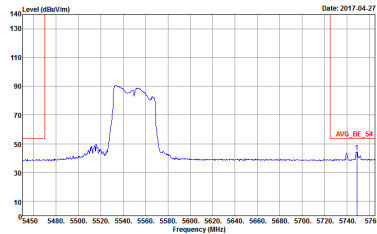
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                    |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                    |
| 1+2  | Horizontal                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH10-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 : 740120<br/>Mode : 24</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 24</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 24</p> | Left blank                                                                                                                                                                                                                                                         |

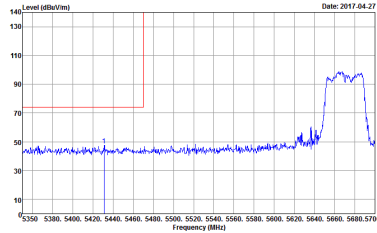
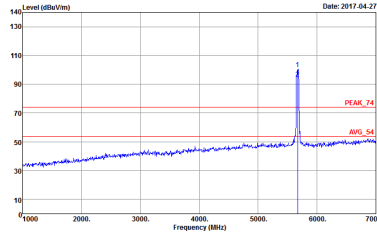
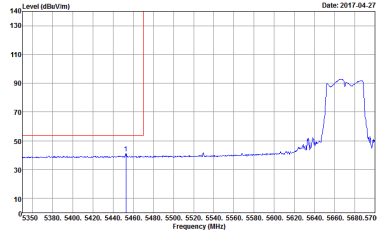
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                                           |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z4         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z4         </p> | Left blank  |



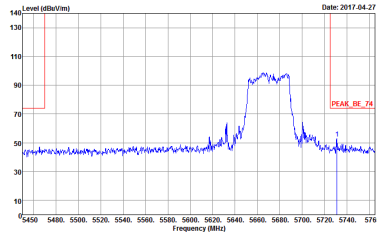
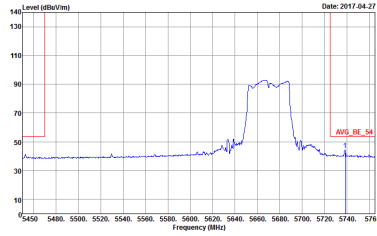
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                     |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 24         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 24         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : 24         </p> | Left blank                                                                                                                                                                                                                                                                          |

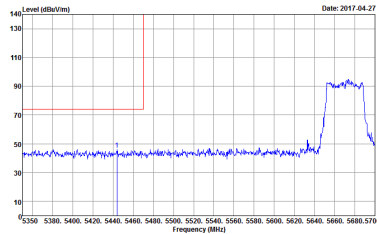
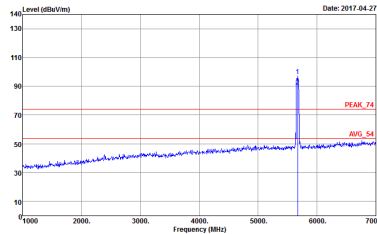
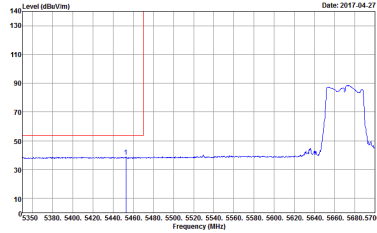


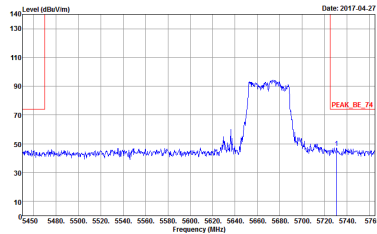
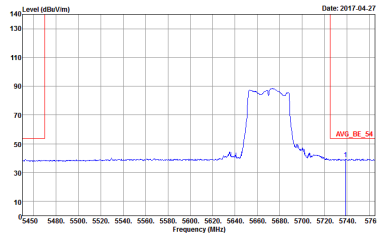
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                            |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                                |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z4</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z4</p></div> | Left blank  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                       |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z5         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z5         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z5         </p> | Left blank                                                                                                                                                                                                                                                                            |

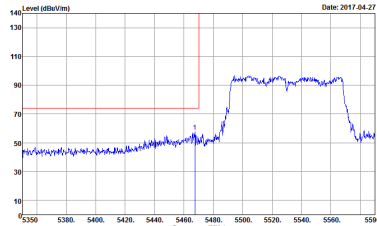
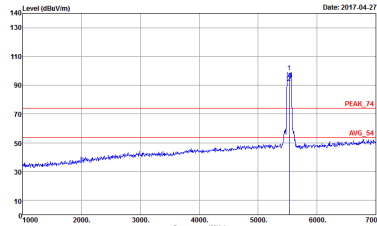
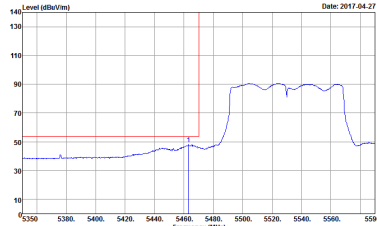


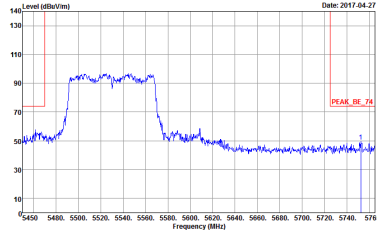
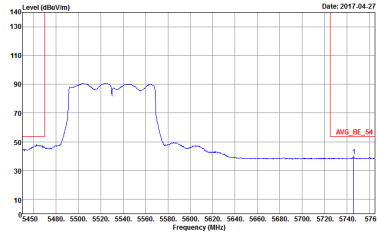
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                              |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                                  |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z5</p></div> | Left blank  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                                                                 |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z5         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z5         </p> |
| Avg. |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z5         </p> | Left blank                                                                                                                                                                                                                                                                                                                                  |

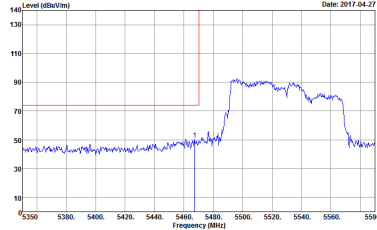
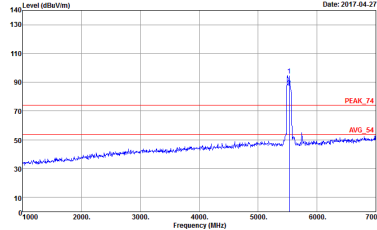
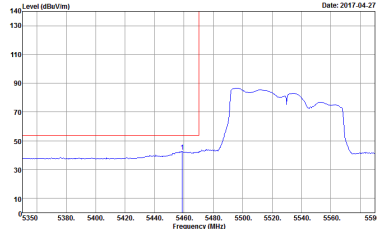
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                             |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                                                                                                 |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                       | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z5         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z5         </p> | Left blank  |

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

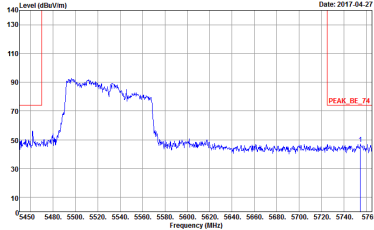
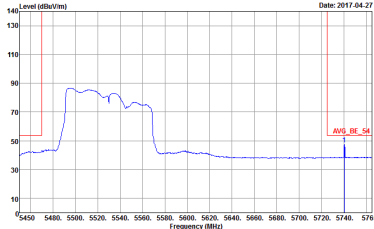
| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                        |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH106 5530MHz - L                                                                                                                                                                                          |                                                                                                                                                                                                                        |
| 1+2         | Horizontal                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                            |
| <b>Peak</b> |  <p>Site : 03CH10-IHY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : ZB</p>  |  <p>Site : 03CH10-IHY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : ZB</p> |
|             |  <p>Site : 03CH10-IHY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : ZB</p> | <b>Left blank</b>                                                                                                                                                                                                      |

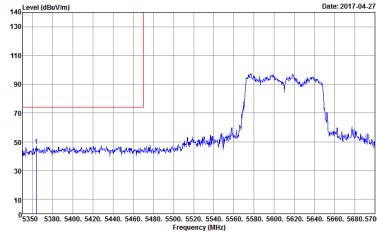
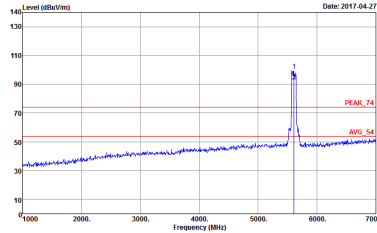
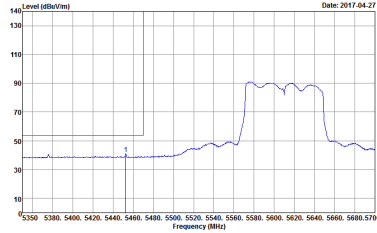
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - R                                                                                                                                                                                                                                                                                                                |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : ZB         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : ZB         </p>   | Left blank  |



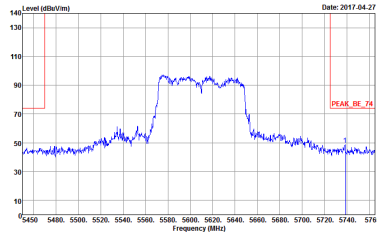
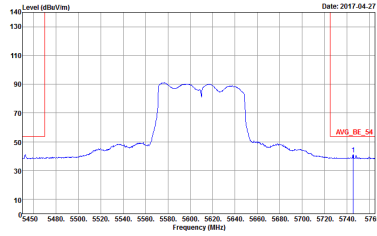
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - L                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                     |
| 1+2  | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : ZB         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : ZB         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : ZB         </p> | Left blank                                                                                                                                                                                                                                                                          |



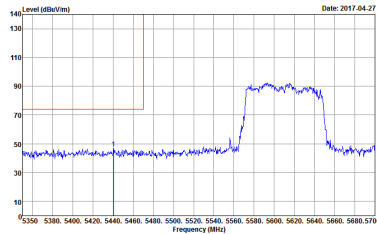
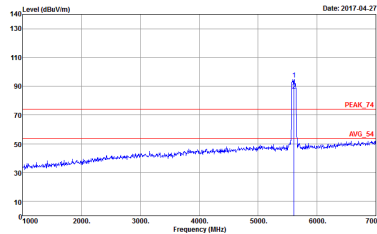
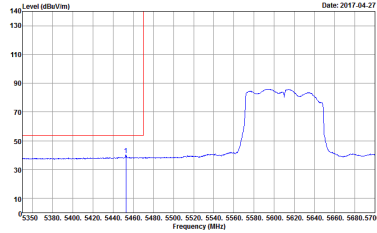
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                           |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - R                                                                                                                                                                                                                                             |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : ZB</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : ZB</p></div>   | Left blank  |

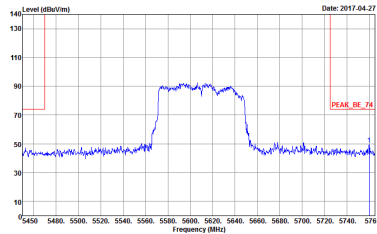
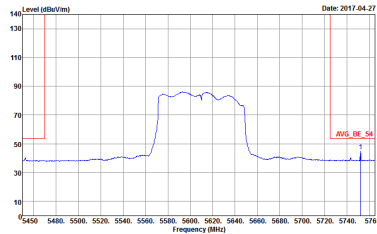
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - L                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                               |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                                                                                   |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z9         </p> |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z9         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z9         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                    |



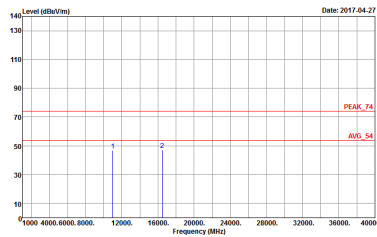
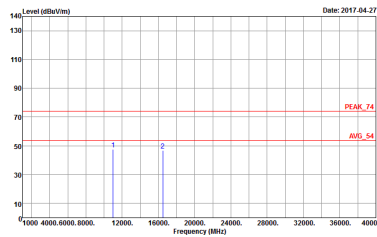
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                             |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - R                                                                                                                                                                                                                                               |             |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z9</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z9</p></div>   | Left blank  |

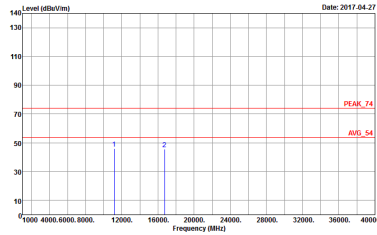
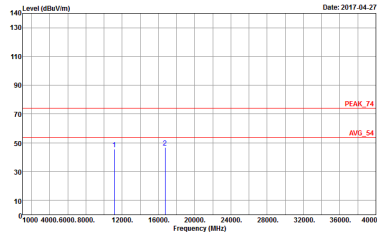


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - L                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-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 : 740120<br/>Mode : Z9</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z9</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 740120<br/>Mode : Z9</p></div>   | Left blank                                                                                                                                                                                                                                                                 |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                            |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - R                                                                                                                                                                                                                                                                                                              |             |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak |  <p>           Site : 03CH10-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 : 740120<br/>           Mode : Z9         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 740120<br/>           Mode : Z9         </p>   | Left blank  |

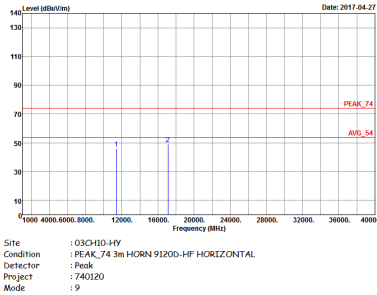
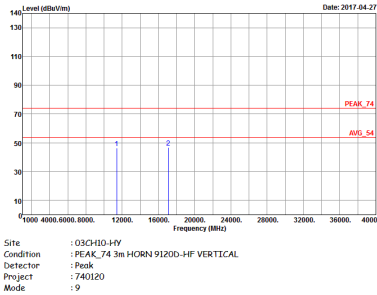
**Band 3 - 5470~5725MHz**
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                           | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                          |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11a CH100 5500MHz                                                                                                                                                                                                     |                                                                                                                                                                                                                          |
| 1+2                            | Horizontal                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH100-11V<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 7</p> |  <p>Site : 03CH100-11V<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 7</p> |

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH116 5580MHz                                                                                                                                                                                                |                                                                                                                                                                                                                     |
| 1+2          | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 8</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 8</p> |



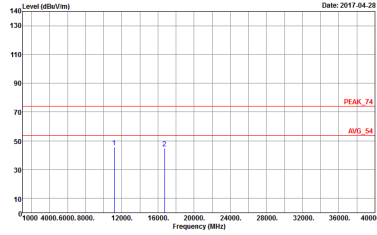
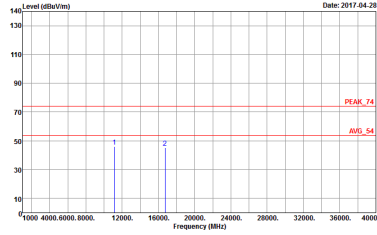


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                            |                                                                                               |
|--------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH140 5700MHz                                                                        |                                                                                               |
| 1+2          | Horizontal                                                                                   | Vertical                                                                                      |
| Peak<br>Avg. | <div></div> | <div></div> |
|              |                                                                                              |                                                                                               |

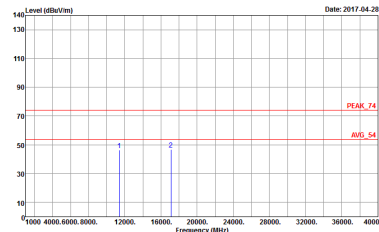
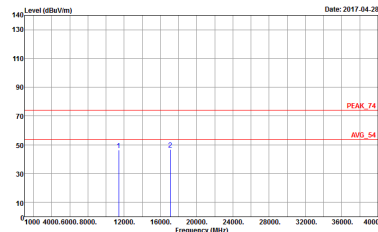


Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

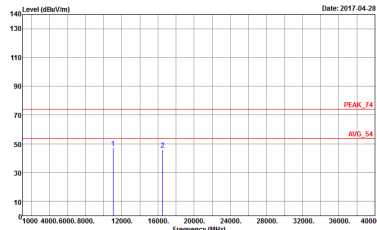
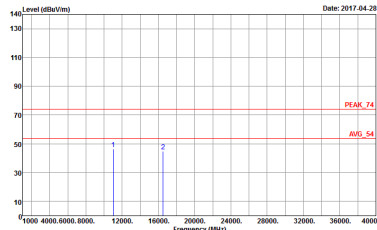
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                             |                                                                                                                                             |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH100 5500MHz                                                                                                                    |                                                                                                                                             |
| 1+2          | Horizontal                                                                                                                                    | Vertical                                                                                                                                    |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 16</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 16</p></div> |

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH116 5580MHz                                                                                                                                                                                            |                                                                                                                                                                                                                      |
| 1+2          | Horizontal                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                             |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 17</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 17</p> |

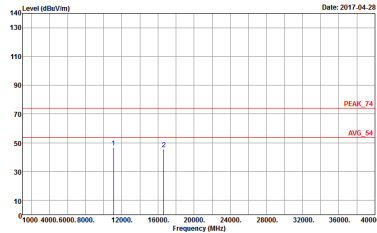
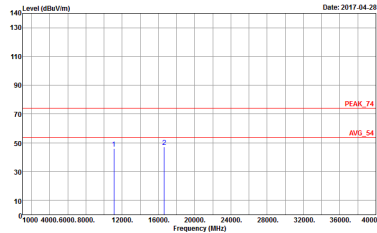


| WIFI             | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                                                     |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|-----------|---------------------------------------|----------|--------|---------|----------|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|-----------|-------------------------------------|----------|--------|---------|----------|------|------|
| ANT              | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                                                                                                            |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| 1+2              | Horizontal                                                                                                                                                                                                                                                                                                                                            | Vertical     |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Peak<br><br>Avg. | <div><table><tr><td>Site</td><td>: 03CH10-11Y</td></tr><tr><td>Condition</td><td>: PEAK_74 3m HORN 91200-HF HORIZONTAL</td></tr><tr><td>Detector</td><td>: Peak</td></tr><tr><td>Project</td><td>: 740120</td></tr><tr><td>Mode</td><td>: 18</td></tr></table></div> | Site         | : 03CH10-11Y | Condition | : PEAK_74 3m HORN 91200-HF HORIZONTAL | Detector | : Peak | Project | : 740120 | Mode | : 18 | <div><table><tr><td>Site</td><td>: 03CH10-11Y</td></tr><tr><td>Condition</td><td>: PEAK_74 3m HORN 91200-HF VERTICAL</td></tr><tr><td>Detector</td><td>: Peak</td></tr><tr><td>Project</td><td>: 740120</td></tr><tr><td>Mode</td><td>: 18</td></tr></table></div> | Site | : 03CH10-11Y | Condition | : PEAK_74 3m HORN 91200-HF VERTICAL | Detector | : Peak | Project | : 740120 | Mode | : 18 |
|                  | Site                                                                                                                                                                                                                                                                                                                                                  | : 03CH10-11Y |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Condition        | : PEAK_74 3m HORN 91200-HF HORIZONTAL                                                                                                                                                                                                                                                                                                                 |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Detector         | : Peak                                                                                                                                                                                                                                                                                                                                                |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Project          | : 740120                                                                                                                                                                                                                                                                                                                                              |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Mode             | : 18                                                                                                                                                                                                                                                                                                                                                  |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Site             | : 03CH10-11Y                                                                                                                                                                                                                                                                                                                                          |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Condition        | : PEAK_74 3m HORN 91200-HF VERTICAL                                                                                                                                                                                                                                                                                                                   |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Detector         | : Peak                                                                                                                                                                                                                                                                                                                                                |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Project          | : 740120                                                                                                                                                                                                                                                                                                                                              |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
| Mode             | : 18                                                                                                                                                                                                                                                                                                                                                  |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |
|                  |                                                                                                                                                                                                                                                                                                                                                       |              |              |           |                                       |          |        |         |          |      |      |                                                                                                                                                                                                                                                                                                                                                      |      |              |           |                                     |          |        |         |          |      |      |

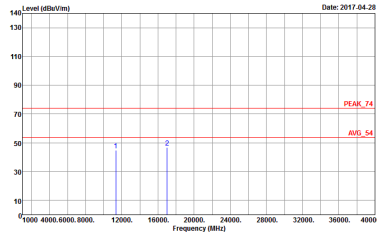
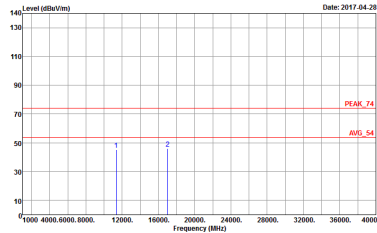
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                           | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH102 5510MHz                                                                                                                                                                                               |                                                                                                                                                                                                                         |
| 1+2                            | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z3</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z3</p> |

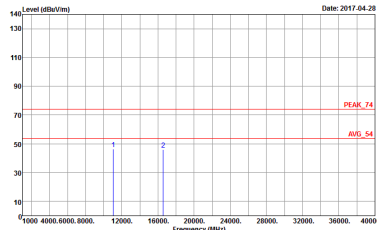
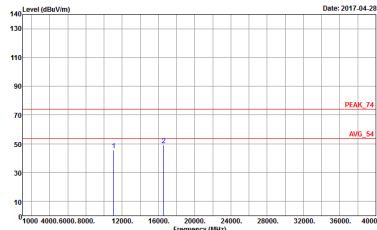


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH110 5550MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                                |
| 1+2          | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 24</p></div> | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 24</p></div> |
|              |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |

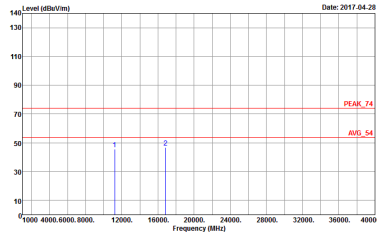
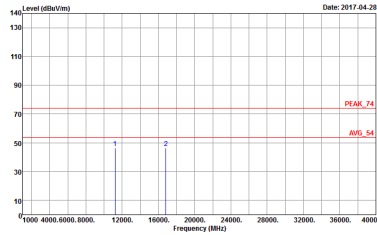


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH134 5670MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                                |
| 1+2          | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 25</p></div> | <div><p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 25</p></div> |
|              |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |

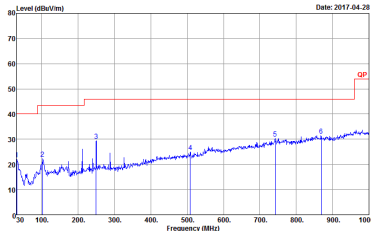
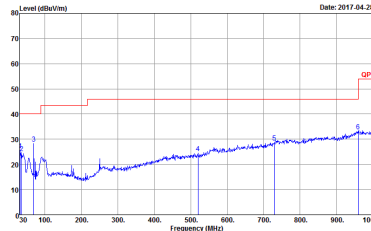
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI                 | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 CH106 5530MHz                                                                                                                                                                                             |                                                                                                                                                                                                                         |
| 1+2                  | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| <b>Peak<br/>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z8</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : Z8</p> |



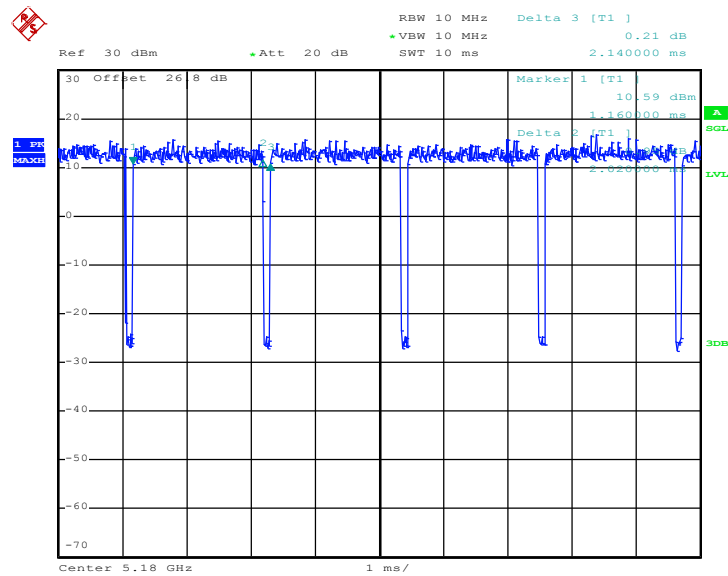
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH122 5610MHz                                                                                                                                                                                          |                                                                                                                                                                                                                      |
| 1+2          | Horizontal                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                             |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 29</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 740120<br/>Mode : 29</p> |
|              |                                                                                                                                                                                                                       |                                                                                                                                                                                                                      |

**Emission below 1GHz**  
**5GHz WIFI 802.11n HT40 (LF)**

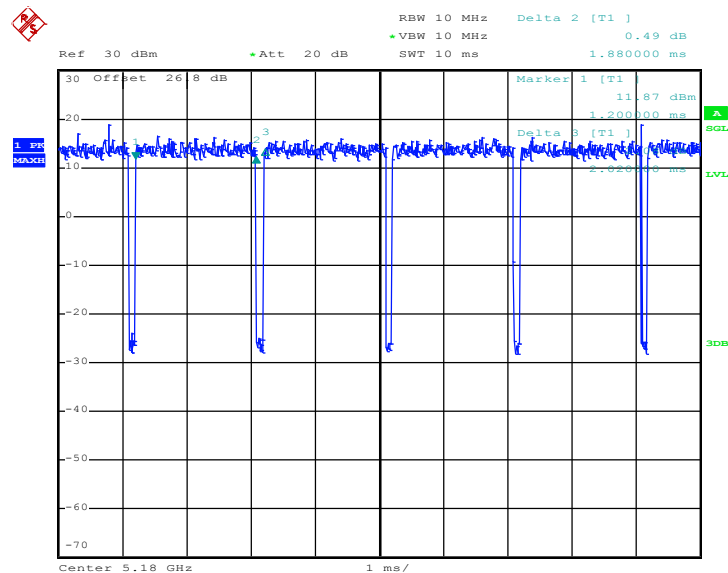
| WIFI                 | 5GHz WIFI                                                                                                                                                                                                                |                                                                                                                                                                                                                         |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11n HT40 LF                                                                                                                                                                                                          |                                                                                                                                                                                                                         |
| 1+2                  | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| <b>QP /<br/>Peak</b> |  <p> Site : 03CH10-14V<br/> Condition : QP 3m BE-LOG 6111D-LF HORIZONTAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 30 </p> |  <p> Site : 03CH10-14V<br/> Condition : QP 3m BE-LOG 6111D-LF VERTICAL<br/> Detector : Peak<br/> Project : 740120<br/> Mode : 30 </p> |
|                      |                                                                                                                                                                                                                          |                                                                                                                                                                                                                         |

## Appendix E. Duty Cycle Plots

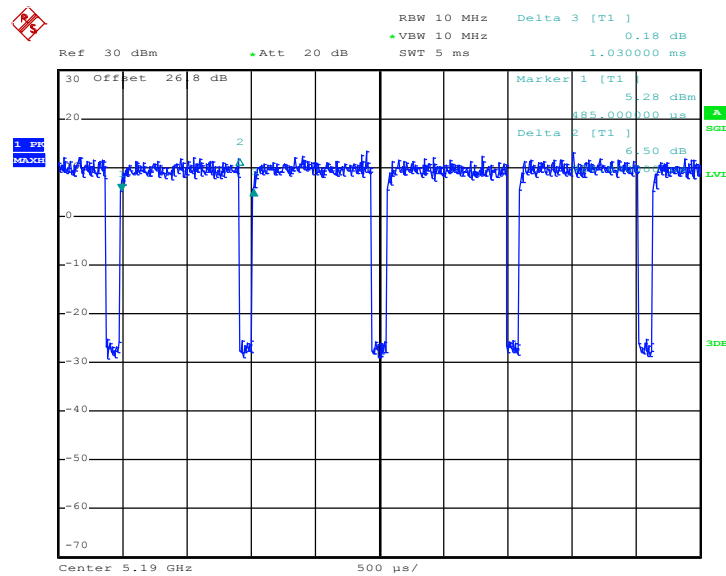
| Antenna | Band                          | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------|-------------------------------|---------------|-------|----------|-------------|
| 1+2     | 5GHz 802.11a for Ant 1        | 94.393        | 2020  | 0.50     | 1kHz        |
| 1+2     | 5GHz 802.11a for Ant 2        | 94.393        | 2020  | 0.50     | 1kHz        |
| 1+2     | 5GHz 802.11n HT20 for Ant 1   | 93.069        | 2020  | 0.50     | 1kHz        |
| 1+2     | 5GHz 802.11n HT20 for Ant 2   | 94            | 1880  | 0.53     | 1kHz        |
| 1+2     | 5GHz 802.11n HT40 for Ant 1   | 89.32         | 920   | 1.09     | 3kHz        |
| 1+2     | 5GHz 802.11n HT40 for Ant 2   | 87.619        | 920   | 1.09     | 3kHz        |
| 1+2     | 5GHz 802.11ac VHT20 for Ant 1 | 94            | 1880  | 0.53     | 1kHz        |
| 1+2     | 5GHz 802.11ac VHT20 for Ant 2 | 94.059        | 1900  | 0.53     | 1kHz        |
| 1+2     | 5GHz 802.11ac VHT40 for Ant 1 | 89.231        | 928   | 1.08     | 3kHz        |
| 1+2     | 5GHz 802.11ac VHT40 for Ant 2 | 89.231        | 928   | 1.08     | 3kHz        |
| 1+2     | 5GHz 802.11ac VHT80 for Ant 1 | 95.17         | 2760  | 0.36     | 1kHz        |
| 1+2     | 5GHz 802.11ac VHT80 for Ant 2 | 95.86         | 2780  | 0.36     | 1kHz        |

**MIMO <Ant. 1+2(1)>**
**802.11a**


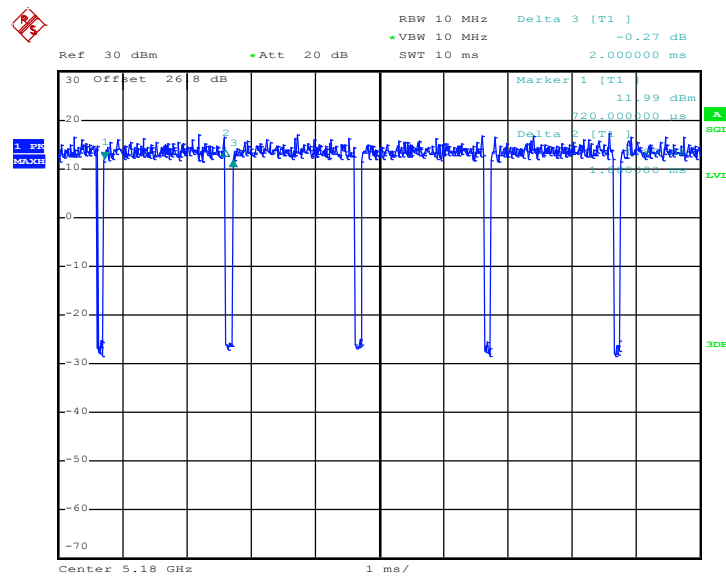
Date: 14.APR.2017 22:40:28

**802.11n HT20**


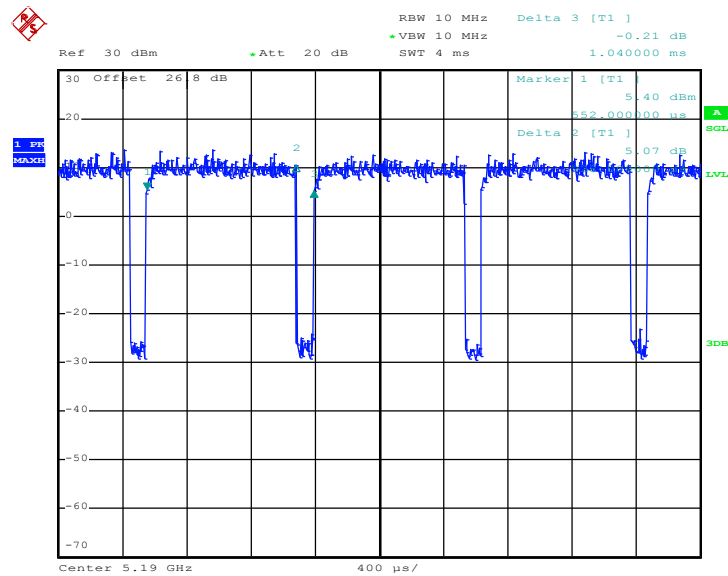
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**802.11n HT40**


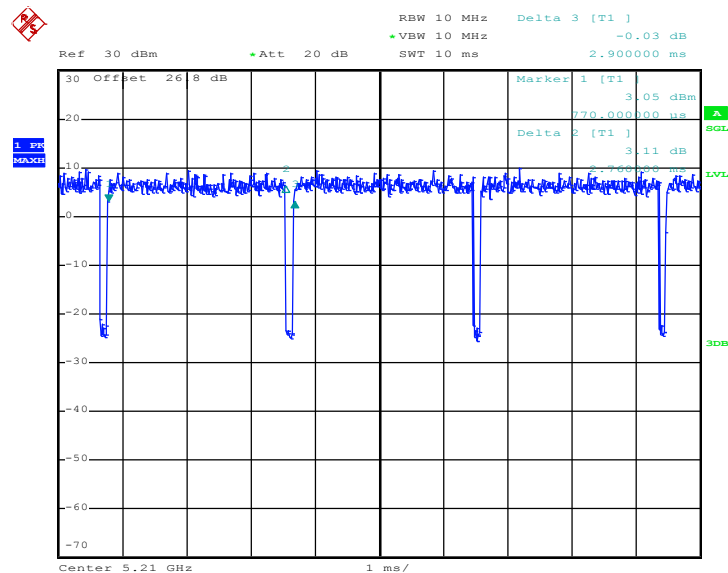
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**802.11ac VHT20**


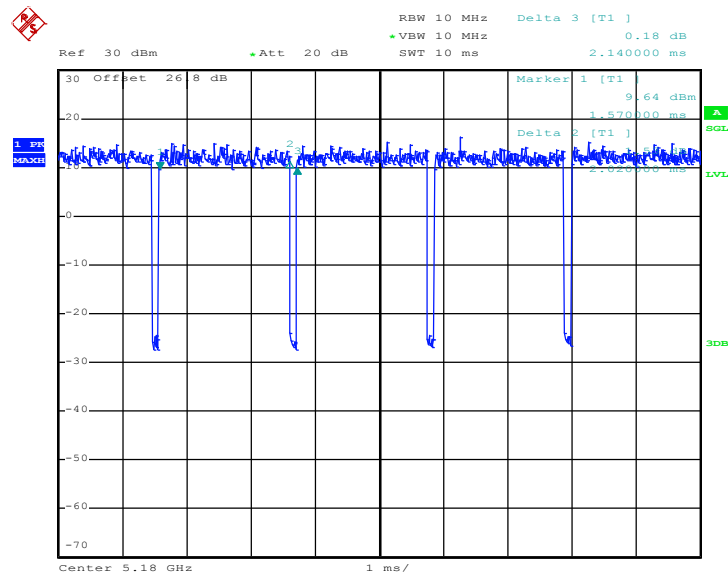
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**802.11ac VHT40**


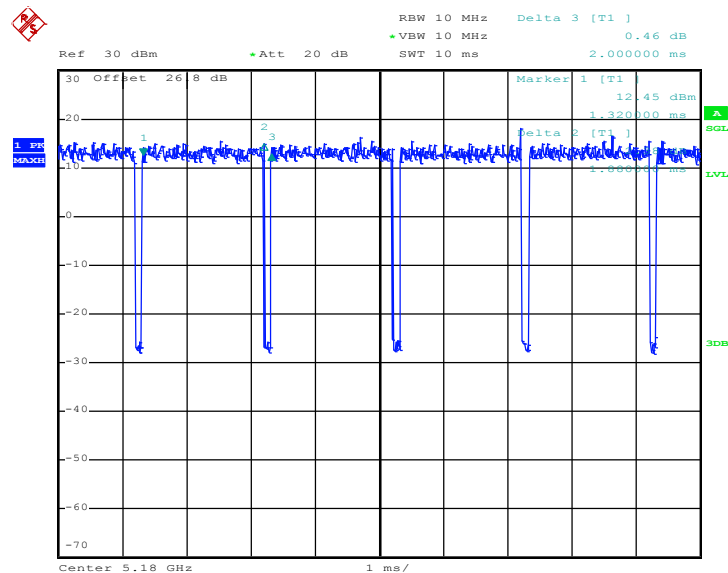
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**802.11ac VHT80**


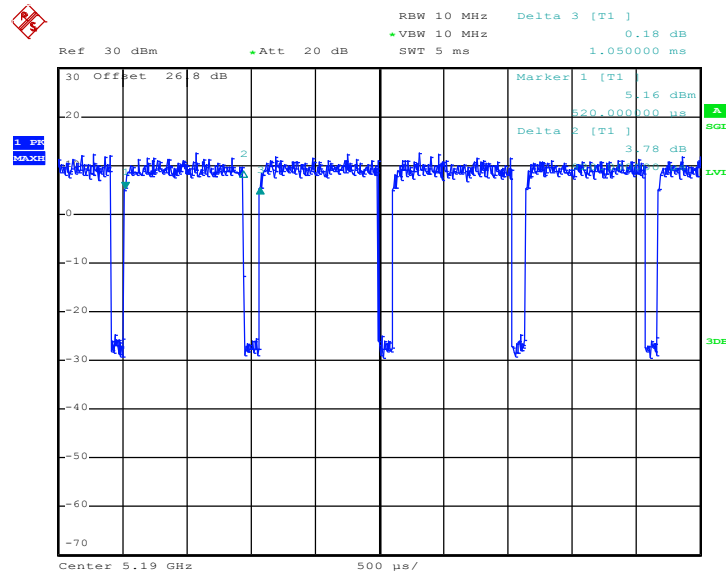
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**MIMO <Ant. 1+2(2)>**
**802.11a**


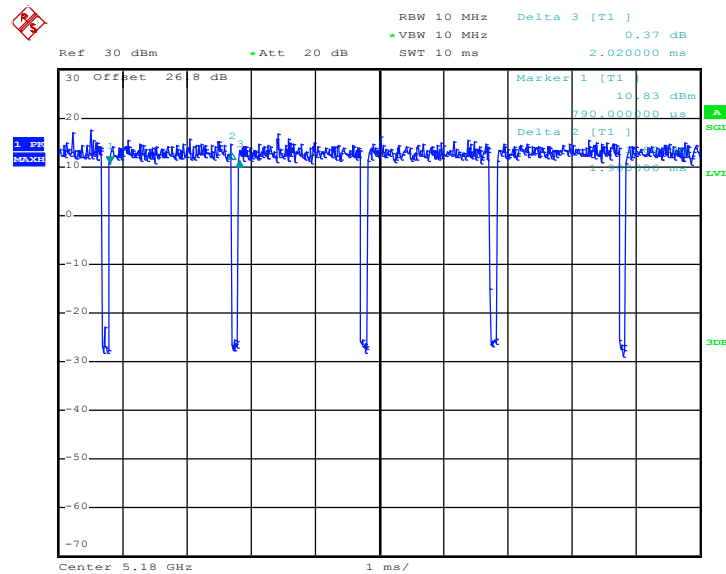
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**802.11n HT20**


Date: 14.APR.2017 16:59:08

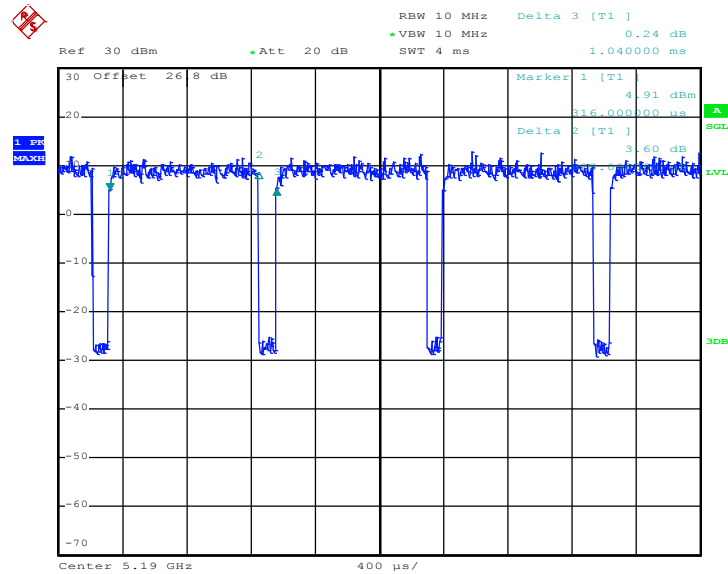
**802.11n HT40**


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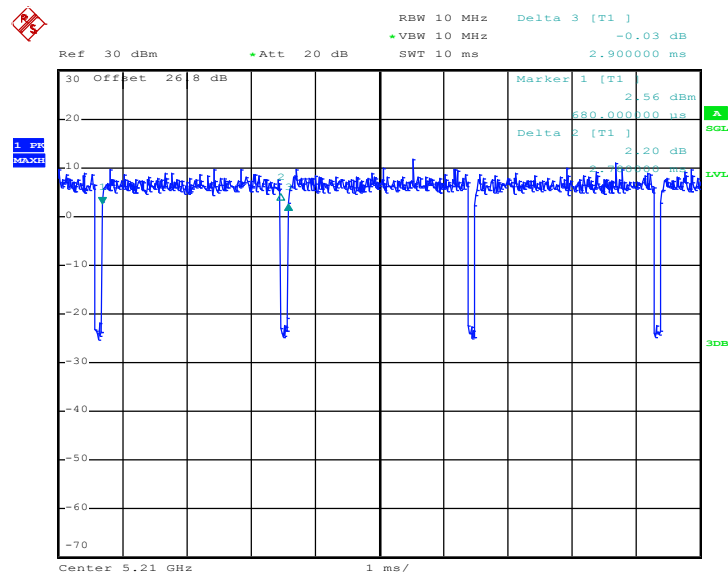
**802.11ac VHT20**


Date: 14.APR.2017 17:09:02



**802.11ac VHT40**


Date: 14.APR.2017 17:13:05

**802.11ac VHT80**


Date: 19.APR.2017 14:51:57