

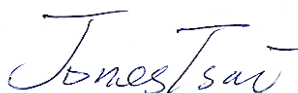
# FCC RADIO TEST REPORT

FCC ID : ACJFZT1A  
Equipment : Tablet Computer  
Brand Name : Panasonic  
Model Name : FZ-T1BB, FZ-T1BC  
Marketing Name : FZ-T1  
Applicant : Panasonic Corporation of North America  
Two Riverfront Plaza, 9th Floor, Newark, NJ  
07102-5490  
Manufacturer : Panasonic Mobile Communications Co., Ltd.  
600 Saedo-cho, Tsuzuki-ku, Yokohama City  
224-8539, Japan  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 04, 2018 and testing was started from Jul. 17, 2018 and completed on Jul. 31, 2018. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Jones Tsai

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

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



## Table of Contents

|                                                              |           |
|--------------------------------------------------------------|-----------|
| <b>History of this test report.....</b>                      | <b>3</b>  |
| <b>Summary of Test Result.....</b>                           | <b>4</b>  |
| <b>1 General Description .....</b>                           | <b>5</b>  |
| 1.1 Product Feature of Equipment Under Test.....             | 5         |
| 1.2 Modification of EUT .....                                | 5         |
| 1.3 Testing Location .....                                   | 6         |
| 1.4 Applicable Standards.....                                | 6         |
| <b>2 Test Configuration of Equipment Under Test .....</b>    | <b>7</b>  |
| 2.1 Carrier Frequency and Channel .....                      | 7         |
| 2.2 Test Mode.....                                           | 8         |
| 2.3 Connection Diagram of Test System.....                   | 9         |
| 2.4 Support Unit used in test configuration and system ..... | 9         |
| 2.5 EUT Operation Test Setup .....                           | 10        |
| 2.6 Measurement Results Explanation Example.....             | 10        |
| <b>3 Test Result .....</b>                                   | <b>11</b> |
| 3.1 26dB & 99% Occupied Bandwidth Measurement .....          | 11        |
| 3.2 Maximum Conducted Output Power Measurement .....         | 13        |
| 3.3 Power Spectral Density Measurement .....                 | 15        |
| 3.4 Unwanted Emissions Measurement.....                      | 17        |
| 3.5 AC Conducted Emission Measurement.....                   | 23        |
| 3.6 Automatically Discontinue Transmission .....             | 25        |
| 3.7 Antenna Requirements.....                                | 26        |
| <b>4 List of Measuring Equipment.....</b>                    | <b>27</b> |
| <b>5 Uncertainty of Evaluation .....</b>                     | <b>29</b> |
| <b>Appendix A. Conducted Test Results</b>                    |           |
| <b>Appendix B. AC Conducted Emission Test Result</b>         |           |
| <b>Appendix C. Radiated Spurious Emission</b>                |           |
| <b>Appendix D. Radiated Spurious Emission Plots</b>          |           |
| <b>Appendix E. Duty Cycle Plots</b>                          |           |
| <b>Appendix F. Setup Photographs</b>                         |           |



## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FR870417E  | 01      | Initial issue of report | Aug. 22, 2018 |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause     | Test Items                             | Result (PASS/FAIL) | Remark                                    |
|---------------|---------------------|----------------------------------------|--------------------|-------------------------------------------|
| 3.1           | 15.403(i)           | 26dB Bandwidth                         | Pass               | -                                         |
| 3.1           | 2.1049              | 99% Occupied Bandwidth                 | Reporting only     | -                                         |
| 3.2           | 15.407(a)           | Maximum Conducted Output Power         | Pass               | -                                         |
| 3.3           | 15.407(a)           | Power Spectral Density                 | Pass               | -                                         |
| 3.4           | 15.407(b)           | Unwanted Emissions                     | Pass               | Under limit<br>6.68 dB at<br>5351.760 MHz |
| 3.5           | 15.207              | AC Conducted Emission                  | Pass               | Under limit<br>7.42 dB at<br>13.792 MHz   |
| 3.6           | 15.407(c)           | Automatically Discontinue Transmission | Pass               | -                                         |
| 3.7           | 15.203<br>15.407(a) | Antenna Requirement                    | Pass               | -                                         |

**Reviewed by: Joseph Lin**

**Report Producer: Polly Tsai**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n, NFC, and GNSS.

| Product Specification subjective to this standard |                                                                                                                                             |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Sample 1                                          | FZ-T1BB                                                                                                                                     |
| Sample 2                                          | FZ-T1BC                                                                                                                                     |
| Antenna Type                                      | WWAN: Fixed Internal Antenna<br>WLAN: Monopole Antenna<br>Bluetooth: Monopole Antenna<br>NFC: Loop Antenna<br>GPS/Glonass: Monopole Antenna |

**Remark:**

1. WWAN function of Model: FZ-T1BC is disabled by the embedded software; cannot and will not be enabled via the end user or the grantee.
2. All test items were performed with sample 1

## 1.2 Modification of EUT

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

### 1.3 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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

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

|                    |                                                                                                                                           |  |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| Test Site          | SPORTON INTERNATIONAL INC.                                                                                                                |  |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |  |
| Test Site No.      | Sporton Site No.                                                                                                                          |  |
|                    | 03CH11-HY                                                                                                                                 |  |

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

### 1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ ANSI C63.10-2013

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

| Frequency Band                       | Channel | Freq. (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        |
|                                      | -       | -           |         |             |

| 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        |
|                                       | -       | -           |         |             |

| 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        |
|                                       | -       | -           | 134*    | 5670        |
|                                       | 108     | 5540        | 136     | 5680        |
|                                       | 110*    | 5550        | 140     | 5700        |

**Note:** The above Frequency and Channel in "\*" were 802.11n HT40.

## 2.2 Test Mode

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

| Modulation   | Data Rate |
|--------------|-----------|
| 802.11a      | 6 Mbps    |
| 802.11n HT20 | MCS0      |
| 802.11n HT40 | MCS0      |

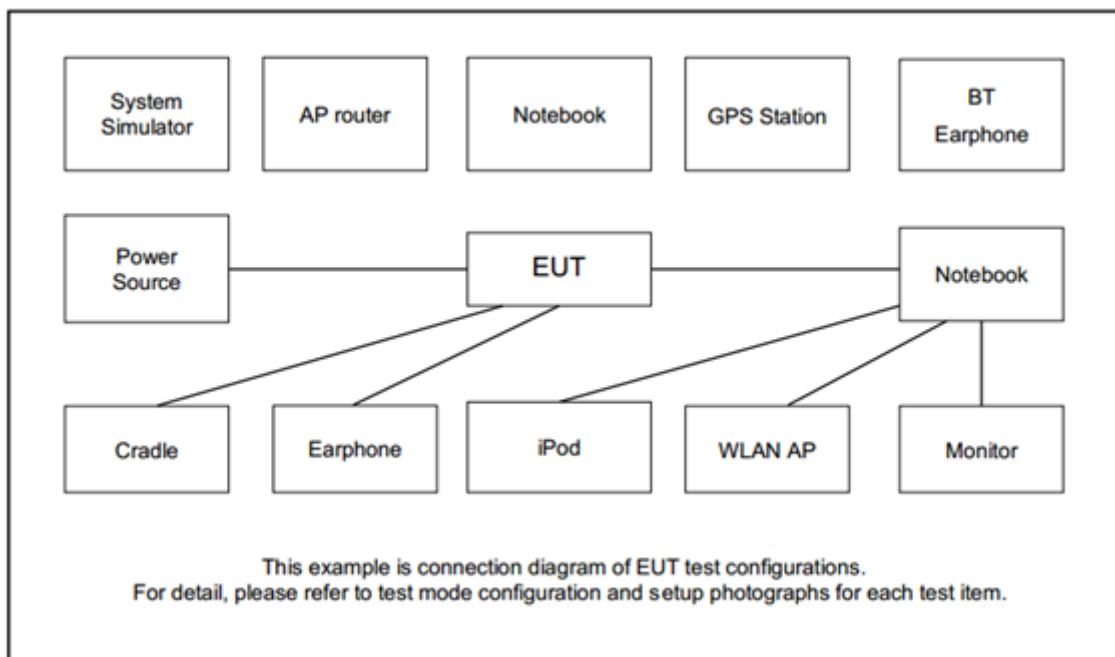
| Test Cases                                                                                                  |                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                                                | Mode 1 : LTE Band 5 Idle + Bluetooth Link + WLAN (5GHz) Link + GPS Rx + Earphone + SD Card + USB Cable (Data Link with Notebook) + Cradle (Charging from Adapter) |
| <b>Remark:</b> Data Linking with Notebook means data application transferred mode between EUT and Notebook. |                                                                                                                                                                   |

| 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                     |

## 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.   | GPS Station        | Pendulum      | GSG-54         | N/A                                          | N/A               | Unshielded, 1.8 m                                          |
| 3.   | Bluetooth Earphone | Sony Ericsson | MW600          | PY7DDA-2029                                  | N/A               | N/A                                                        |
| 4.   | WLAN AP            | ASUS          | RT-AC66U       | MSQ-RTAC66U                                  | N/A               | Unshielded ,1.8 m                                          |
| 5.   | SD Card            | SanDisk       | MicroSD HC     | FCC DoC                                      | N/A               | N/A                                                        |
| 6.   | 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 |
| 7.   | iPod               | Apple         | A1199          | FCC DoC                                      | Shielded, 1.2 m   | N/A                                                        |
| 8.   | iPhone Earphone    | Apple         | A1387          | FCC DoC                                      | Unshielded, 1.2 m | N/A                                                        |



## 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

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

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

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

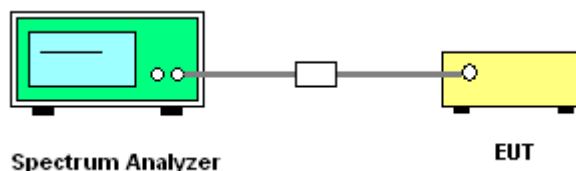
##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

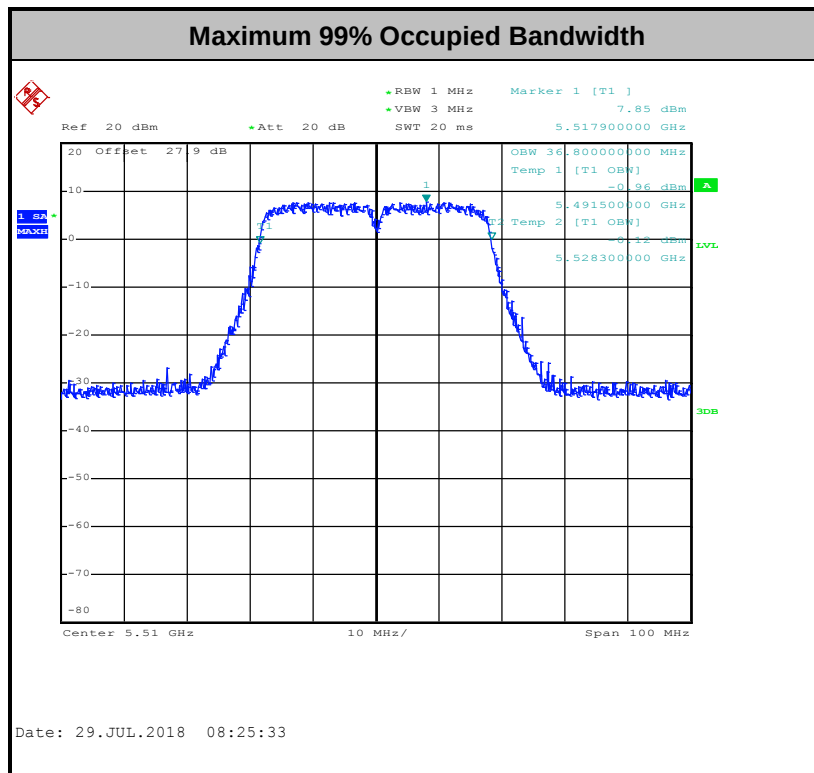
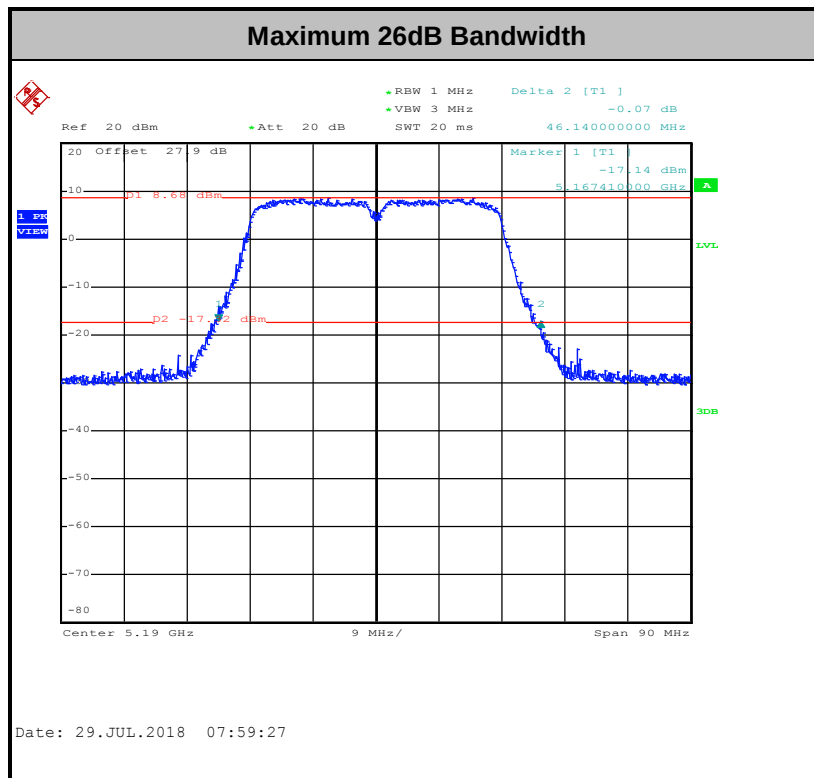
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

##### 3.1.4 Test Setup



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

Please refer to Appendix A.



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



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

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

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

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

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

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

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

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

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

### **3.2.2 Measuring Instruments**

See list of measuring equipment of this test report.

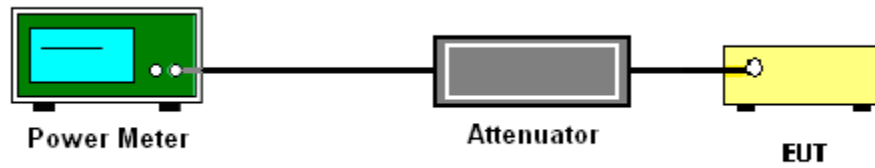
### **3.2.3 Test Procedures**

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

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

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

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

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

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

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

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

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

#### 3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.3.3 Test Procedures

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

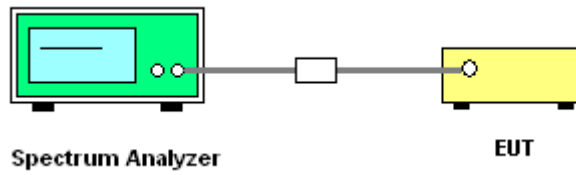
Section F) Maximum power spectral density.

##### **# Method SA-2 #**

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

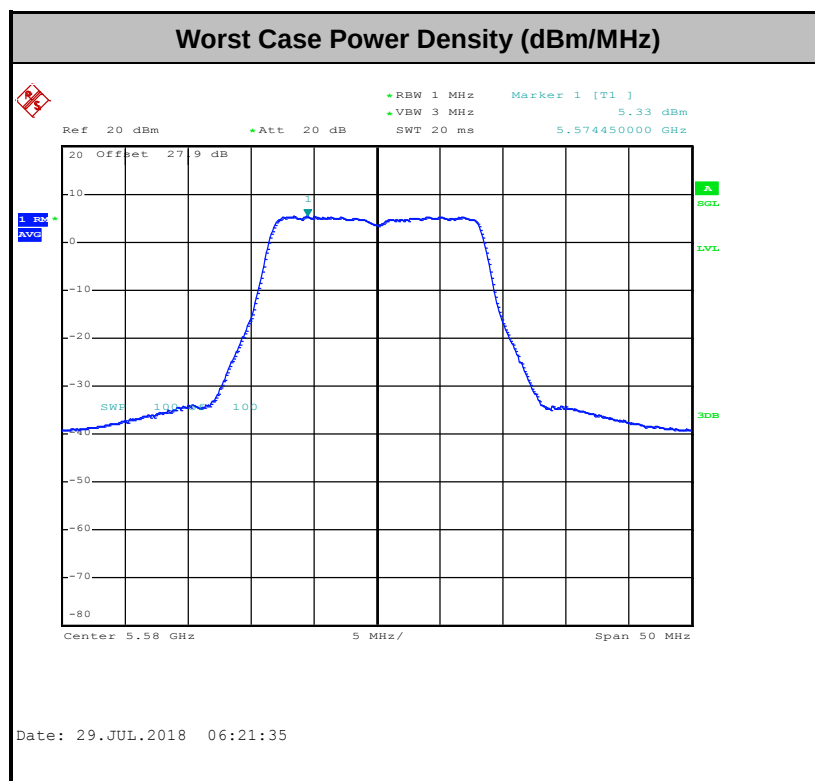
- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging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

### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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

### 3.4 Unwanted Emissions Measurement

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

#### 3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

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

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490      | 2400/F(kHz)                          | 300                              |
| 0.490 – 1.705      | 24000/F(kHz)                         | 30                               |
| 1.705 – 30.0       | 30                                   | 30                               |
| 30 – 88            | 100                                  | 3                                |
| 88 – 216           | 150                                  | 3                                |
| 216 - 960          | 200                                  | 3                                |
| Above 960          | 500                                  | 3                                |

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

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



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

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

- (i) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.<sup>3</sup>
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.<sup>4</sup>

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

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

### 3.4.2 Measuring Instruments

See list of measuring equipment of this test report.



### 3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

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

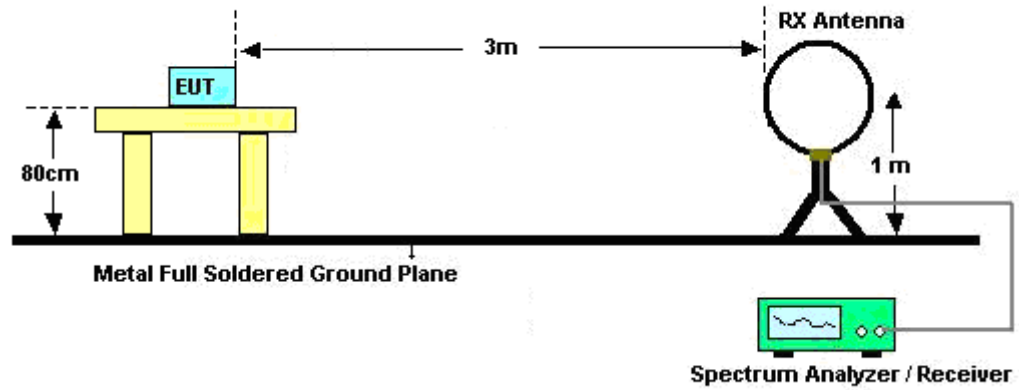
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



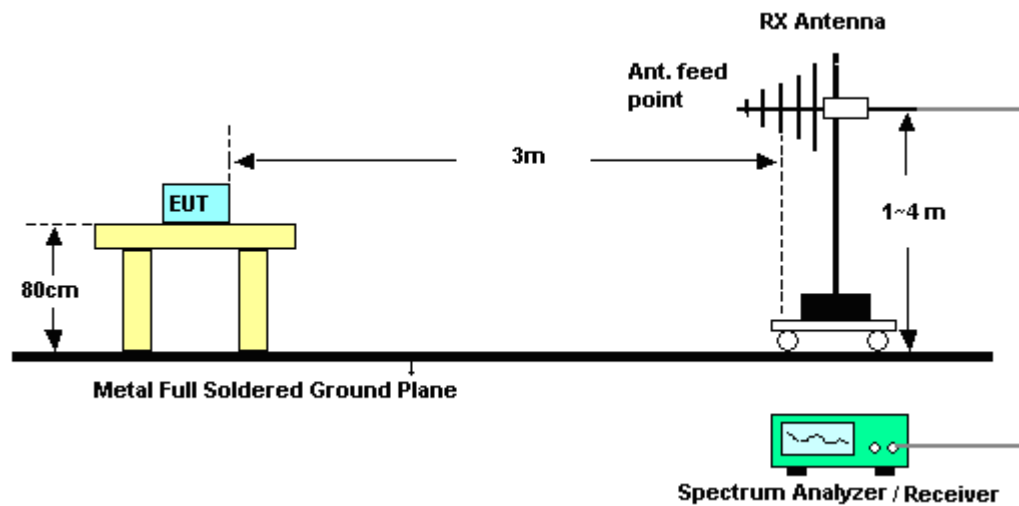
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

### 3.4.4 Test Setup

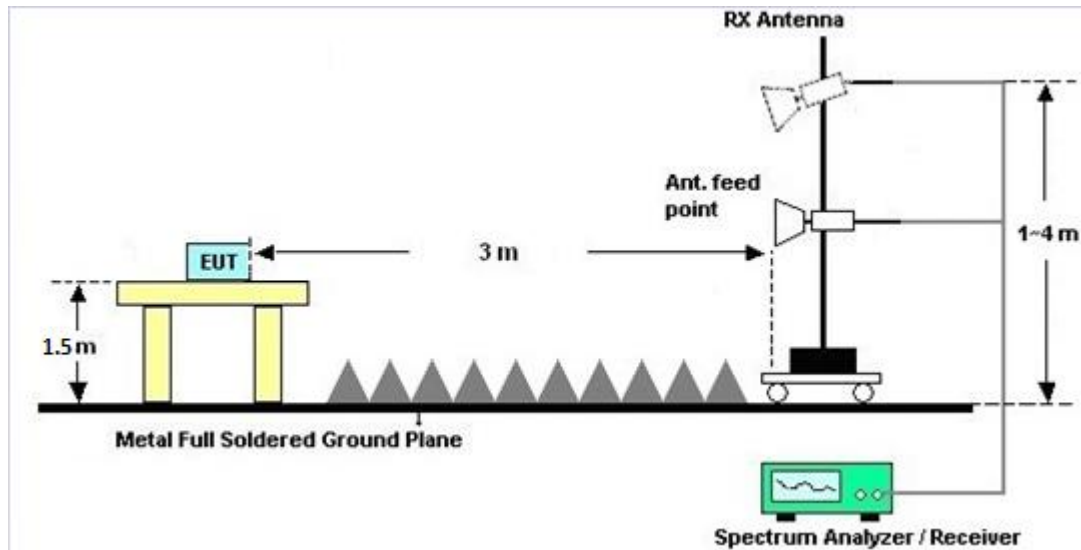
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

### 3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

### 3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15-0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5-5                       | 56                           | 46        |
| 5-30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

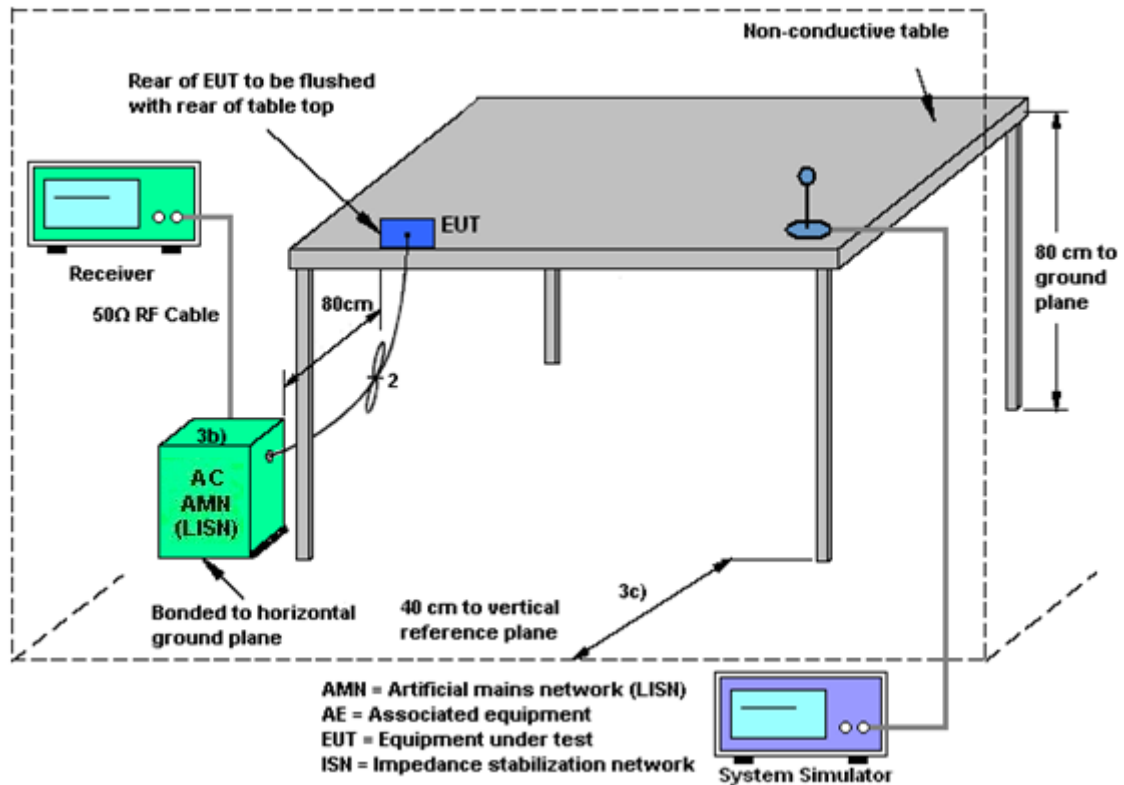
#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.6 Automatically Discontinue Transmission**

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

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

### **3.6.2 Measuring Instruments**

See list of measuring equipment of this test report.

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

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



## **3.7 Antenna Requirements**

### **3.7.1 Standard Applicable**

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

### **3.7.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.

### **3.7.3 Antenna Gain**

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



## 4 List of Measuring Equipment

| Instrument            | Manufacturer      | Model No.               | Serial No.           | Characteristics                     | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-----------------------|-------------------|-------------------------|----------------------|-------------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Power Meter           | Anritsu           | ML2495A                 | 1240001              | N/A                                 | Sep. 07, 2017    | Jul. 17, 2018~<br>Jul. 29, 2018 | Sep. 06, 2018 | Conducted<br>(TH05-HY)   |
| Power Sensor          | Anritsu           | MA2411B                 | 1207349              | 300MHz~40GHz<br>z                   | Sep. 07, 2017    | Jul. 17, 2018~<br>Jul. 29, 2018 | Sep. 06, 2018 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer     | Rohde & Schwarz   | FSP40                   | 100057               | 9kHz~40GHz                          | Nov. 21, 2017    | Jul. 17, 2018~<br>Jul. 29, 2018 | Nov. 20, 2018 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable | Burgeon           | ETF-058                 | EC130048<br>4        | N/A                                 | Mar. 01, 2018    | Jul. 17, 2018~<br>Jul. 29, 2018 | Feb. 28, 2019 | Conducted<br>(TH05-HY)   |
| AC Power Source       | ChainTek          | APC-1000W               | N/A                  | N/A                                 | N/A              | Jul. 24, 2018                   | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver     | Rohde & Schwarz   | ESR3                    | 102388               | 3.6GHz                              | Dec. 08, 2017    | Jul. 24, 2018                   | Dec. 07, 2018 | Conduction<br>(CO05-HY)  |
| LISN                  | Rohde & Schwarz   | ENV216                  | 100080               | 9kHz~30MHz                          | Nov. 30, 2017    | Jul. 24, 2018                   | Nov. 29, 2018 | Conduction<br>(CO05-HY)  |
| LISN                  | Rohde & Schwarz   | ENV216                  | 100081               | 9kHz~30MHz                          | Dec. 08, 2017    | Jul. 24, 2018                   | Dec. 07, 2018 | Conduction<br>(CO05-HY)  |
| Software              | Rohde & Schwarz   | EMC32<br>V10.30         | N/A                  | N/A                                 | N/A              | Jul. 24, 2018                   | N/A           | Conduction<br>(CO05-HY)  |
| LF Cable              | HUBER +<br>SUHNER | RG-214/U                | LF01                 | N/A                                 | Jan. 03, 2018    | Jul. 24, 2018                   | Jan. 02, 2019 | Conduction<br>(CO05-HY)  |
| Pulse Limiter         | Rohde & Schwarz   | ESH3-Z2                 | 100851               | N/A                                 | Jan. 03, 2018    | Jul. 24, 2018                   | Jan. 02, 2019 | Conduction<br>(CO05-HY)  |
| Amplifier             | MITEQ             | TTA1840-35-<br>HG       | 1871923              | 18GHz~40GHz,<br>VSWR : 2.5:1<br>max | Jul. 16, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Jul. 15, 2019 | Radiation<br>(03CH11-HY) |
| Amplifier             | SONOMA            | 310N                    | 187312               | 9kHz~1GHz                           | Jan. 16, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Jan. 15, 2019 | Radiation<br>(03CH11-HY) |
| Bilog Antenna         | TESEQ             | CBL<br>6111D&N-6-0<br>6 | 35414&AT-<br>N0602   | 30MHz~1GHz                          | Oct. 14, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Oct. 13, 2018 | Radiation<br>(03CH11-HY) |
| Horn Antenna          | SCHWARZBE<br>CK   | BBHA 9120 D             | 9120D-132<br>6       | 1GHz ~ 18GHz                        | Oct. 16, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Oct. 15, 2018 | Radiation<br>(03CH11-HY) |
| Loop Antenna          | Rohde & Schwarz   | HFH2-Z2                 | 100488               | 9 kHz~30 MHz                        | Nov. 23, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Nov. 22, 2018 | Radiation<br>(03CH11-HY) |
| Preamplifier          | Keysight          | 83017A                  | MY532700<br>80       | 1GHz~26.5GHz                        | Jan. 16, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Jan. 15, 2020 | Radiation<br>(03CH11-HY) |
| Spectrum Analyzer     | Keysight          | N9010A                  | MY542004<br>86       | 10Hz ~ 44GHz                        | Oct. 19, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Oct. 18, 2018 | Radiation<br>(03CH11-HY) |
| Antenna Mast          | EMEC              | AM-BS-4500-<br>B        | N/A                  | 1~4m                                | N/A              | Jul. 26, 2018~<br>Jul. 31, 2018 | N/A           | Radiation<br>(03CH11-HY) |
| Turn Table            | EMEC              | TT 2000                 | N/A                  | 0~360 Degree                        | N/A              | Jul. 26, 2018~<br>Jul. 31, 2018 | N/A           | Radiation<br>(03CH11-HY) |
| Preamplifier          | Jet-Power         | JPA0118-55-3<br>03      | 171000180<br>0054001 | 1GHz~18GHz                          | Apr. 16, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Apr. 15, 2019 | Radiation<br>(03CH11-HY) |
| SHF-EHF Horn Antenna  | SCHWARZBE<br>CK   | BBHA 9170               | BBHA9170<br>584      | 18GHz- 40GHz                        | Nov. 27, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Nov. 26, 2018 | Radiation<br>(03CH11-HY) |



| Instrument | Manufacturer   | Model No.                            | Serial No.    | Characteristics      | Calibration Date | Test Date                       | Due Date      | Remark                   |
|------------|----------------|--------------------------------------|---------------|----------------------|------------------|---------------------------------|---------------|--------------------------|
| RF Cable   | HUBER + SUHNER | SUCOFLEX 104                         | MY9837/4 PE   | 9kHz-30MHz           | Mar. 14, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| RF Cable   | HUBER + SUHNER | SUCOFLEX 102                         | MY2859/2      | 30MHz-40GHz          | Mar. 14, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| RF Cable   | HUBER + SUHNER | SUCOFLEX 104                         | MY9837/4 PE   | 30M-18G              | Mar. 14, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| RF Cable   | HUBER + SUHNER | SUCOFLEX 102                         | MY4274/2      | 30MHz-40GHz          | Mar. 14, 2018    | Jul. 26, 2018~<br>Jul. 31, 2018 | Mar. 13, 2019 | Radiation<br>(03CH11-HY) |
| Filter     | Wainwright     | WHKX8-5872.<br>5-6750-18000<br>-40ST | SN3           | 6.75GHz High<br>Pass | Sep. 18, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Sep. 17, 2018 | Radiation<br>(03CH11-HY) |
| Filter     | Wainwright     | WLK4-1000-1<br>530-8000-40S<br>S     | SN11          | 1G Low Pass          | Sep. 18, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Sep. 17, 2018 | Radiation<br>(03CH11-HY) |
| Filter     | Wainwright     | WHKX12-270<br>0-3000-18000<br>-60SS  | SN3           | 2.7G High Pass       | Sep. 18, 2017    | Jul. 26, 2018~<br>Jul. 31, 2018 | Sep. 17, 2018 | Radiation<br>(03CH11-HY) |
| Software   | Audix          | E3<br>6.2009-8-24                    | RK-00104<br>2 | N/A                  | N/A              | Jul. 26, 2018~<br>Jul. 31, 2018 | N/A           | Radiation<br>(03CH11-HY) |



## 5 Uncertainty of Evaluation

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

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| 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% ( $U = 2Uc(y)$ ) | 5.20 |
|----------------------------------------------------------------------------|------|

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

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

### 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: | Shiming Liu / Shiang Wang | Temperature:       | 21~25 | °C |
| Test Date:     | 2018/7/17~2018/7/29       | 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     | 1   | 36  | 5180        | 17.05               | -     | 24.53                 | -     | -                                  | -     | 22.32                             | -     |   |      |
| 11a    | 6Mbps     | 1   | 44  | 5220        | 17.25               | -     | 23.80                 | -     | -                                  | -     | 22.37                             | -     |   |      |
| 11a    | 6Mbps     | 1   | 48  | 5240        | 17.20               | -     | 24.10                 | -     | -                                  | -     | 22.36                             | -     |   |      |
| HT20   | MCS0      | 1   | 36  | 5180        | 18.00               | -     | 25.36                 | -     | -                                  | -     | 22.55                             | -     |   |      |
| HT20   | MCS0      | 1   | 44  | 5220        | 18.10               | -     | 24.66                 | -     | -                                  | -     | 22.58                             | -     |   |      |
| HT20   | MCS0      | 1   | 48  | 5240        | 18.15               | -     | 24.00                 | -     | -                                  | -     | 22.59                             | -     |   |      |
| HT40   | MCS0      | 1   | 38  | 5190        | 36.70               | -     | 46.14                 | -     | -                                  | -     | 23.01                             | -     |   |      |
| HT40   | MCS0      | 1   | 46  | 5230        | 36.70               | -     | 44.82                 | -     | -                                  | -     | 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 | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |   |           |
| 11a        | 6Mbps     | 1   | 36  | 5180        | 0.62             | -     | 14.42                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 0.62             | -     | 14.47                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 0.62             | -     | 14.14                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |
| HT20       | MCS0      | 1   | 36  | 5180        | 0.63             | -     | 14.48                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |
| HT20       | MCS0      | 1   | 44  | 5220        | 0.63             | -     | 14.49                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |
| HT20       | MCS0      | 1   | 48  | 5240        | 0.63             | -     | 14.08                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |
| HT40       | MCS0      | 1   | 38  | 5190        | 0.69             | -     | 14.19                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |
| HT40       | MCS0      | 1   | 46  | 5230        | 0.69             | -     | 14.09                         | -     | 24.00                           | -     | 2.00     | -     |   | Pass      |

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

| FCC Band I |           |                 |     |             |                  |       |                                 |       |                             |       |          |       |   |            |
|------------|-----------|-----------------|-----|-------------|------------------|-------|---------------------------------|-------|-----------------------------|-------|----------|-------|---|------------|
| Mod.       | Data Rate | N <sub>Tx</sub> | 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 | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |   |            |
| 11a        | 6Mbps     | 1               | 36  | 5180        | 0.62             | -     | 3.10                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| 11a        | 6Mbps     | 1               | 44  | 5220        | 0.62             | -     | 3.30                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| 11a        | 6Mbps     | 1               | 48  | 5240        | 0.62             | -     | 2.70                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20       | MCS0      | 1               | 36  | 5180        | 0.63             | -     | 2.93                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20       | MCS0      | 1               | 44  | 5220        | 0.63             | -     | 3.10                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20       | MCS0      | 1               | 48  | 5240        | 0.63             | -     | 2.43                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT40       | MCS0      | 1               | 38  | 5190        | 0.69             | -     | -0.18                           | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT40       | MCS0      | 1               | 46  | 5230        | 0.69             | -     | 0.00                            | -     | 11.00                       | -     | 2.00     | -     |   | 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     | 1   | 52  | 5260        | 17.05               | -     | 24.60                 | -     | 23.32                              | -     | 29.32                             | -     | 23.98                                | -     |      |
| 11a     | 6Mbps     | 1   | 60  | 5300        | 17.10               | -     | 25.00                 | -     | 23.33                              | -     | 29.33                             | -     | 23.98                                | -     |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 17.05               | -     | 23.60                 | -     | 23.32                              | -     | 29.32                             | -     | 23.98                                | -     |      |
| HT20    | MCS0      | 1   | 52  | 5260        | 18.15               | -     | 24.26                 | -     | 23.59                              | -     | 29.59                             | -     | 23.98                                | -     |      |
| HT20    | MCS0      | 1   | 60  | 5300        | 18.20               | -     | 24.07                 | -     | 23.60                              | -     | 29.60                             | -     | 23.98                                | -     |      |
| HT20    | MCS0      | 1   | 64  | 5320        | 18.10               | -     | 24.10                 | -     | 23.58                              | -     | 29.58                             | -     | 23.98                                | -     |      |
| HT40    | MCS0      | 1   | 54  | 5270        | 36.60               | -     | 45.54                 | -     | 23.98                              | -     | 30.00                             | -     | 23.98                                | -     |      |
| HT40    | MCS0      | 1   | 62  | 5310        | 36.60               | -     | 45.29                 | -     | 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 | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a         | 6Mbps     | 1   | 52  | 5260        | 0.62             | -     | 17.22                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| 11a         | 6Mbps     | 1   | 60  | 5300        | 0.62             | -     | 17.24                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| 11a         | 6Mbps     | 1   | 64  | 5320        | 0.62             | -     | 14.33                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT20        | MCS0      | 1   | 52  | 5260        | 0.63             | -     | 16.20                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT20        | MCS0      | 1   | 60  | 5300        | 0.63             | -     | 16.48                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT20        | MCS0      | 1   | 64  | 5320        | 0.63             | -     | 14.10                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT40        | MCS0      | 1   | 54  | 5270        | 0.69             | -     | 14.33                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT40        | MCS0      | 1   | 62  | 5310        | 0.69             | -     | 14.46                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |

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

| Band II |           |     |     |             |                  |       |                                 |       |                             |       |          |       |   |            |
|---------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-----------------------------|-------|----------|-------|---|------------|
| Mod.    | Data Rate | NTx | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | - | Pass /Fail |
|         |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |   |            |
| 11a     | 6Mbps     | 1   | 52  | 5260        | 0.62             | -     | 5.78                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| 11a     | 6Mbps     | 1   | 60  | 5300        | 0.62             | -     | 5.80                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 0.62             | -     | 2.62                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20    | MCS0      | 1   | 52  | 5260        | 0.63             | -     | 4.46                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20    | MCS0      | 1   | 60  | 5300        | 0.63             | -     | 4.94                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20    | MCS0      | 1   | 64  | 5320        | 0.63             | -     | 2.36                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT40    | MCS0      | 1   | 54  | 5270        | 0.69             | -     | -0.23                           | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT40    | MCS0      | 1   | 62  | 5310        | 0.69             | -     | -0.33                           | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |

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

| Band III |           |     |     |             |                                 |       |                                   |       |                                    |       |                                   |       |                                      |       |                                           |       |
|----------|-----------|-----|-----|-------------|---------------------------------|-------|-----------------------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|-------------------------------------------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth In U-NII 2C (MHz) |       | 26 dB Bandwidth In U-NII 2C (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |
|          |           |     |     |             | Ant 1                           | Ant 2 | Ant 1                             | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 | Ant 1                                     | Ant 2 |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 17.05                           | -     | 23.80                             | -     | 23.32                              | -     | 29.32                             | -     | 23.98                                | -     | ----                                      | ----  |
| 11a      | 6Mbps     | 1   | 116 | 5580        | 17.15                           | -     | 23.80                             | -     | 23.34                              | -     | 29.34                             | -     | 23.98                                | -     | ----                                      | ----  |
| 11a      | 6Mbps     | 1   | 140 | 5700        | 17.20                           | -     | 23.80                             | -     | 23.36                              | -     | 29.36                             | -     | 23.98                                | -     | ----                                      | ----  |
| HT20     | MCS0      | 1   | 100 | 5500        | 18.20                           | -     | 24.00                             | -     | 23.60                              | -     | 29.60                             | -     | 23.98                                | -     | ----                                      | ----  |
| HT20     | MCS0      | 1   | 116 | 5580        | 18.10                           | -     | 25.96                             | -     | 23.58                              | -     | 29.58                             | -     | 23.98                                | -     | ----                                      | ----  |
| HT20     | MCS0      | 1   | 140 | 5700        | 18.15                           | -     | 26.00                             | -     | 23.59                              | -     | 29.59                             | -     | 23.98                                | -     | ----                                      | ----  |
| HT40     | MCS0      | 1   | 102 | 5510        | 36.80                           | -     | 45.67                             | -     | 23.98                              | -     | 30.00                             | -     | 23.98                                | -     | ----                                      | ----  |
| HT40     | MCS0      | 1   | 110 | 5550        | 36.70                           | -     | 45.90                             | -     | 23.98                              | -     | 30.00                             | -     | 23.98                                | -     | ----                                      | ----  |
| HT40     | MCS0      | 1   | 134 | 5670        | 36.60                           | -     | 45.09                             | -     | 23.98                              | -     | 30.00                             | -     | 23.98                                | -     | ----                                      | ----  |

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

| FCC Band III |           |     |     |             |                  |       |                               |       |                                 |       |          |       |                        |           |
|--------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a          | 6Mbps     | 1   | 100 | 5500        | 0.62             | -     | 14.09                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 116 | 5580        | 0.62             | -     | 17.37                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 140 | 5700        | 0.62             | -     | 14.17                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT20         | MCS0      | 1   | 100 | 5500        | 0.63             | -     | 14.33                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT20         | MCS0      | 1   | 116 | 5580        | 0.63             | -     | 16.23                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT20         | MCS0      | 1   | 140 | 5700        | 0.63             | -     | 14.43                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT40         | MCS0      | 1   | 102 | 5510        | 0.69             | -     | 14.14                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT40         | MCS0      | 1   | 110 | 5550        | 0.69             | -     | 14.34                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |
| HT40         | MCS0      | 1   | 134 | 5670        | 0.69             | -     | 14.22                         | -     | 23.98                           | -     | 2.00     | -     | 30                     | Pass      |

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

| Band III |           |     |     |             |                  |       |                                 |       |                             |       |          |       |   |            |
|----------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-----------------------------|-------|----------|-------|---|------------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | - | Pass /Fail |
|          |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |   |            |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 0.62             | -     | 2.42                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| 11a      | 6Mbps     | 1   | 116 | 5580        | 0.62             | -     | 5.95                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| 11a      | 6Mbps     | 1   | 140 | 5700        | 0.62             | -     | 2.24                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20     | MCS0      | 1   | 100 | 5500        | 0.63             | -     | 2.54                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20     | MCS0      | 1   | 116 | 5580        | 0.63             | -     | 4.66                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT20     | MCS0      | 1   | 140 | 5700        | 0.63             | -     | 2.51                            | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT40     | MCS0      | 1   | 102 | 5510        | 0.69             | -     | -0.49                           | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT40     | MCS0      | 1   | 110 | 5550        | 0.69             | -     | -0.09                           | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |
| HT40     | MCS0      | 1   | 134 | 5670        | 0.69             | -     | -0.41                           | -     | 11.00                       | -     | 2.00     | -     |   | Pass       |



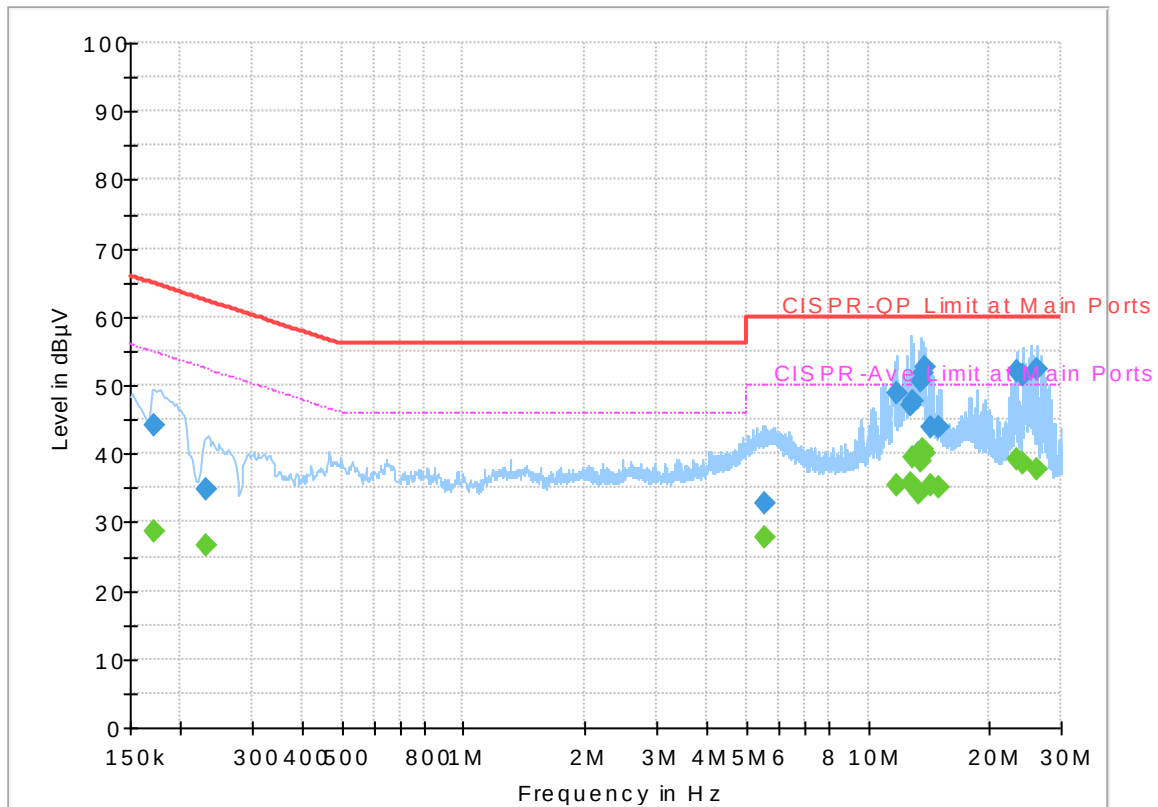
## **Appendix B. AC Conducted Emission Test Results**

|                        |              |                            |        |
|------------------------|--------------|----------------------------|--------|
| <b>Test Engineer :</b> | Arthur Hsieh | <b>Temperature :</b>       | 21~25℃ |
|                        |              | <b>Relative Humidity :</b> | 51~55% |

# EUT Information

Report NO : 870417  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



## Final Result

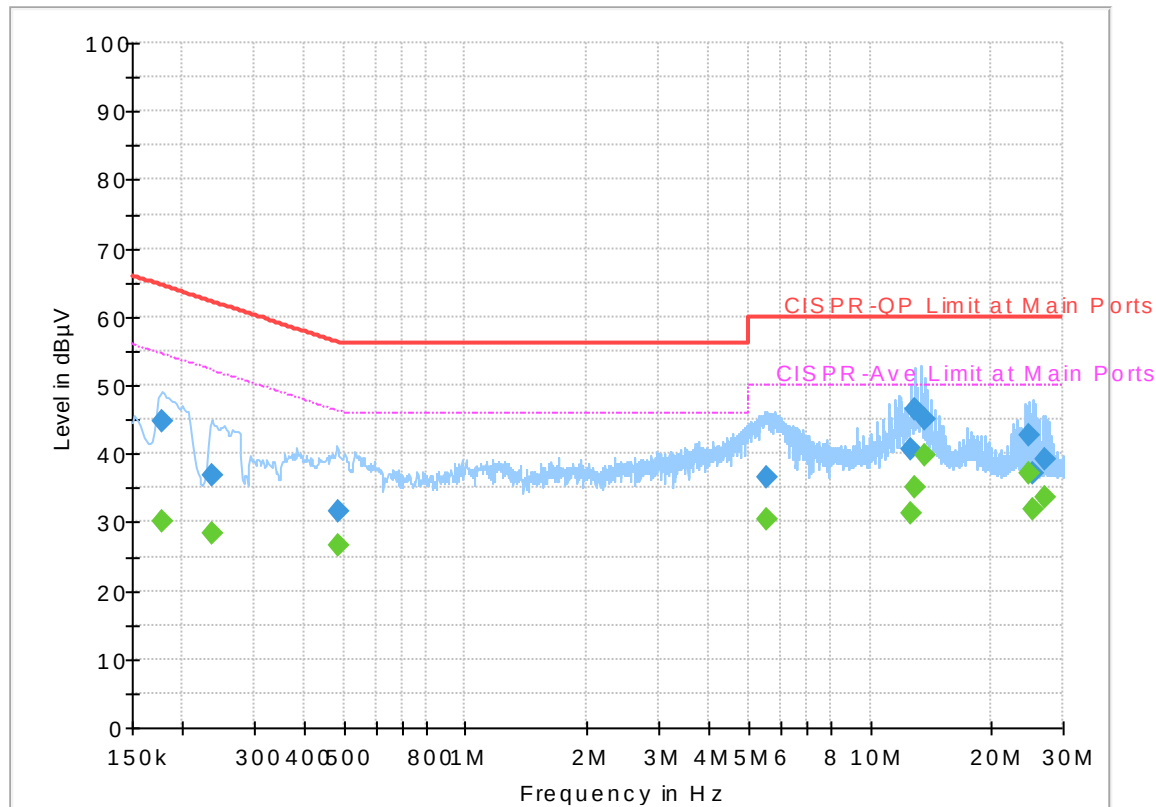
| Frequency (MHz) | QuasiPeak (dBµV) | CAverage (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.172500        | ---              | 28.56           | 54.84        | 26.28       | L1   | OFF    | 19.5       |
| 0.172500        | 44.14            | ---             | 64.84        | 20.70       | L1   | OFF    | 19.5       |
| 0.231000        | ---              | 26.60           | 52.41        | 25.81       | L1   | OFF    | 19.5       |
| 0.231000        | 34.76            | ---             | 62.41        | 27.65       | L1   | OFF    | 19.5       |
| 5.574750        | ---              | 27.83           | 50.00        | 22.17       | L1   | OFF    | 19.7       |
| 5.574750        | 32.86            | ---             | 60.00        | 27.14       | L1   | OFF    | 19.7       |
| 11.726250       | ---              | 35.24           | 50.00        | 14.76       | L1   | OFF    | 20.0       |
| 11.726250       | 48.92            | ---             | 60.00        | 11.08       | L1   | OFF    | 20.0       |
| 12.815250       | ---              | 35.72           | 50.00        | 14.28       | L1   | OFF    | 20.0       |
| 12.815250       | 47.19            | ---             | 60.00        | 12.81       | L1   | OFF    | 20.0       |
| 12.970500       | ---              | 39.62           | 50.00        | 10.38       | L1   | OFF    | 20.0       |
| 12.970500       | 47.68            | ---             | 60.00        | 12.32       | L1   | OFF    | 20.0       |
| 13.335000       | ---              | 34.24           | 50.00        | 15.76       | L1   | OFF    | 20.0       |
| 13.335000       | 39.94            | ---             | 60.00        | 20.06       | L1   | OFF    | 20.0       |
| 13.497000       | ---              | 38.91           | 50.00        | 11.09       | L1   | OFF    | 20.0       |
| 13.497000       | 50.62            | ---             | 60.00        | 9.38        | L1   | OFF    | 20.0       |
| 13.643250       | ---              | 40.78           | 50.00        | 9.22        | L1   | OFF    | 20.0       |
| 13.643250       | 51.76            | ---             | 60.00        | 8.24        | L1   | OFF    | 20.0       |
| 13.791750       | ---              | 40.06           | 50.00        | 9.94        | L1   | OFF    | 20.0       |
| 13.791750       | 52.58            | ---             | 60.00        | 7.42        | L1   | OFF    | 20.0       |
| 14.246250       | ---              | 35.29           | 50.00        | 14.71       | L1   | OFF    | 20.1       |

|           |       |       |       |       |    |     |      |
|-----------|-------|-------|-------|-------|----|-----|------|
| 14.246250 | 43.75 | ---   | 60.00 | 16.25 | L1 | OFF | 20.1 |
| 15.009000 | ---   | 34.96 | 50.00 | 15.04 | L1 | OFF | 20.1 |
| 15.009000 | 43.89 | ---   | 60.00 | 16.11 | L1 | OFF | 20.1 |
| 23.448750 | ---   | 39.04 | 50.00 | 10.96 | L1 | OFF | 20.3 |
| 23.448750 | 52.08 | ---   | 60.00 | 7.92  | L1 | OFF | 20.3 |
| 24.137250 | ---   | 38.53 | 50.00 | 11.47 | L1 | OFF | 20.3 |
| 24.137250 | 51.43 | ---   | 60.00 | 8.57  | L1 | OFF | 20.3 |
| 26.207250 | ---   | 37.81 | 50.00 | 12.19 | L1 | OFF | 20.4 |
| 26.207250 | 52.41 | ---   | 60.00 | 7.59  | L1 | OFF | 20.4 |

# EUT Information

Report NO : 870417  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | CAverage (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.177000        | ---              | 29.97           | 54.63        | 24.66       | N    | OFF    | 19.5       |
| 0.177000        | 44.73            | ---             | 64.63        | 19.90       | N    | OFF    | 19.5       |
| 0.237750        | ---              | 28.25           | 52.17        | 23.92       | N    | OFF    | 19.5       |
| 0.237750        | 36.91            | ---             | 62.17        | 25.26       | N    | OFF    | 19.5       |
| 0.483000        | ---              | 26.75           | 46.29        | 19.54       | N    | OFF    | 19.5       |
| 0.483000        | 31.58            | ---             | 56.29        | 24.71       | N    | OFF    | 19.5       |
| 5.525250        | ---              | 30.44           | 50.00        | 19.56       | N    | OFF    | 19.7       |
| 5.525250        | 36.48            | ---             | 60.00        | 23.52       | N    | OFF    | 19.7       |
| 12.590250       | ---              | 31.28           | 50.00        | 18.72       | N    | OFF    | 20.0       |
| 12.590250       | 40.72            | ---             | 60.00        | 19.28       | N    | OFF    | 20.0       |
| 12.963750       | ---              | 35.01           | 50.00        | 14.99       | N    | OFF    | 20.0       |
| 12.963750       | 46.61            | ---             | 60.00        | 13.39       | N    | OFF    | 20.0       |
| 13.704000       | ---              | 39.79           | 50.00        | 10.21       | N    | OFF    | 20.1       |
| 13.704000       | 45.16            | ---             | 60.00        | 14.84       | N    | OFF    | 20.1       |
| 24.814500       | ---              | 37.27           | 50.00        | 12.73       | N    | OFF    | 20.5       |
| 24.814500       | 42.57            | ---             | 60.00        | 17.43       | N    | OFF    | 20.5       |
| 25.183500       | ---              | 32.01           | 50.00        | 17.99       | N    | OFF    | 20.5       |
| 25.183500       | 37.04            | ---             | 60.00        | 22.96       | N    | OFF    | 20.5       |
| 27.037500       | ---              | 33.62           | 50.00        | 16.38       | N    | OFF    | 20.6       |
| 27.037500       | 39.24            | ---             | 60.00        | 20.76       | N    | OFF    | 20.6       |



## Appendix C. Radiated Spurious Emission

|                 |                                |                     |         |
|-----------------|--------------------------------|---------------------|---------|
| Test Engineer : | Hao Hsu, Chuan Zhu, and Ken Wu | Temperature :       | 21~26°C |
|                 |                                | Relative Humidity : | 52~57%  |

## Band 1 - 5150~5250MHz

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

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                           |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5111.54   | 49.51      | -24.49 | 74         | 41.8     | 31.72    | 33.04  | 9.03   | 190    | 32      | P       | H       |
|                             |      | 5127.4    | 40.34      | -13.66 | 54         | 32.61    | 31.73    | 33.03  | 9.03   | 190    | 32      | A       | H       |
|                             | *    | 5180      | 99.79      | -      | -          | 91.97    | 31.78    | 33.03  | 9.07   | 190    | 32      | P       | H       |
|                             | *    | 5180      | 90.98      | -      | -          | 83.16    | 31.78    | 33.03  | 9.07   | 190    | 32      | A       | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      | 5127.66   | 50.96      | -23.04 | 74         | 43.23    | 31.73    | 33.03  | 9.03   | 122    | 347     | P       | V       |
|                             |      | 5127.92   | 44.02      | -9.98  | 54         | 36.29    | 31.73    | 33.03  | 9.03   | 122    | 347     | A       | V       |
|                             | *    | 5180      | 105.61     | -      | -          | 97.79    | 31.78    | 33.03  | 9.07   | 122    | 347     | P       | V       |
|                             | *    | 5180      | 97.12      | -      | -          | 89.3     | 31.78    | 33.03  | 9.07   | 122    | 347     | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5018.72   | 48.56      | -25.44 | 74         | 41.03    | 31.62    | 33.04  | 8.95   | 181    | 34      | P       | H       |
|                             |      | 5074.62   | 40.12      | -13.88 | 54         | 32.49    | 31.68    | 33.04  | 8.99   | 181    | 34      | A       | H       |
|                             | *    | 5220      | 101.69     | -      | -          | 93.79    | 31.82    | 33.03  | 9.11   | 181    | 34      | P       | H       |
|                             | *    | 5220      | 92.79      | -      | -          | 84.89    | 31.82    | 33.03  | 9.11   | 181    | 34      | A       | H       |
|                             |      | 5389.27   | 48.04      | -25.96 | 74         | 39.88    | 31.98    | 33.02  | 9.2    | 181    | 34      | P       | H       |
|                             |      | 5451.64   | 39.76      | -14.24 | 54         | 31.44    | 32.05    | 33.02  | 9.29   | 181    | 34      | A       | H       |
|                             |      | 5107.9    | 49.38      | -24.62 | 74         | 41.67    | 31.72    | 33.04  | 9.03   | 155    | 347     | P       | V       |
|                             |      | 5031.98   | 40.64      | -13.36 | 54         | 33.08    | 31.63    | 33.04  | 8.97   | 155    | 347     | A       | V       |
|                             | *    | 5220      | 105.93     | -      | -          | 98.03    | 31.82    | 33.03  | 9.11   | 155    | 347     | P       | V       |
|                             | *    | 5220      | 97.29      | -      | -          | 89.39    | 31.82    | 33.03  | 9.11   | 155    | 347     | A       | V       |
|                             |      | 5416.81   | 47.83      | -26.17 | 74         | 39.61    | 32.02    | 33.02  | 9.22   | 155    | 347     | P       | V       |
|                             |      | 5418.16   | 40.04      | -13.96 | 54         | 31.82    | 32.02    | 33.02  | 9.22   | 155    | 347     | A       | V       |



|                                                  |                                                                                             |         |        |        |    |       |       |       |      |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5049.92 | 49.61  | -24.39 | 74 | 42.03 | 31.65 | 33.04 | 8.97 | 193 | 34  | P | H |
|                                                  |                                                                                             | 5093.08 | 40.13  | -13.87 | 54 | 32.46 | 31.7  | 33.04 | 9.01 | 193 | 34  | A | H |
|                                                  | *                                                                                           | 5240    | 102.48 | -      | -  | 94.56 | 31.83 | 33.03 | 9.12 | 193 | 34  | P | H |
|                                                  | *                                                                                           | 5240    | 93.74  | -      | -  | 85.82 | 31.83 | 33.03 | 9.12 | 193 | 34  | A | H |
|                                                  |                                                                                             | 5435.17 | 48.54  | -25.46 | 74 | 40.27 | 32.03 | 33.02 | 9.26 | 193 | 34  | P | H |
|                                                  |                                                                                             | 5425.72 | 40.06  | -13.94 | 54 | 31.8  | 32.02 | 33.02 | 9.26 | 193 | 34  | A | H |
|                                                  |                                                                                             | 5144.56 | 50.16  | -23.84 | 74 | 42.39 | 31.75 | 33.03 | 9.05 | 147 | 338 | P | V |
|                                                  |                                                                                             | 5041.86 | 40.54  | -13.46 | 54 | 32.96 | 31.65 | 33.04 | 8.97 | 147 | 338 | A | V |
|                                                  | *                                                                                           | 5240    | 106.67 | -      | -  | 98.75 | 31.83 | 33.03 | 9.12 | 147 | 338 | P | V |
|                                                  | *                                                                                           | 5240    | 97.73  | -      | -  | 89.81 | 31.83 | 33.03 | 9.12 | 147 | 338 | A | V |
|                                                  |                                                                                             | 5437.87 | 49.5   | -24.5  | 74 | 41.23 | 32.03 | 33.02 | 9.26 | 147 | 338 | P | V |
|                                                  |                                                                                             | 5438.14 | 40.52  | -13.48 | 54 | 32.25 | 32.03 | 33.02 | 9.26 | 147 | 338 | 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           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 36<br>5180MHz |                                                                                             | 10360                | 46.06               | -22.14                  | 68.2                        | 52.37                     | 39.51                         | 61.07                  | 14.63                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15540                | 44.12               | -29.88                  | 74                          | 48.35                     | 38                            | 60.96                  | 17.95                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10360                | 46.21               | -21.99                  | 68.2                        | 52.52                     | 39.51                         | 61.07                  | 14.63                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15540                | 45.05               | -28.95                  | 74                          | 49.28                     | 38                            | 60.96                  | 17.95                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440                | 45.95               | -22.25                  | 68.2                        | 52.23                     | 39.61                         | 61.19                  | 14.68                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15660                | 43.93               | -30.07                  | 74                          | 48.33                     | 37.67                         | 60.83                  | 18.06                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10440                | 45.62               | -22.58                  | 68.2                        | 51.9                      | 39.61                         | 61.19                  | 14.68                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15660                | 43.92               | -30.08                  | 74                          | 48.32                     | 37.67                         | 60.83                  | 18.06                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480                | 46.15               | -22.05                  | 68.2                        | 52.41                     | 39.68                         | 61.28                  | 14.72                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15720                | 44.17               | -29.83                  | 74                          | 48.69                     | 37.47                         | 60.75                  | 18.1                       | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10480                | 46.3                | -21.9                   | 68.2                        | 52.56                     | 39.68                         | 61.28                  | 14.72                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15720                | 44.71               | -29.29                  | 74                          | 49.23                     | 37.47                         | 60.75                  | 18.1                       | 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                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 36<br>5180MHz |      | 5102.96              | 49.31               | -24.69                  | 74                          | 41.64                     | 31.7                          | 33.04                  | 9.01                       | 190                  | 32                      | P                       | H               |
|                                     |      | 5128.18              | 40.49               | -13.51                  | 54                          | 32.76                     | 31.73                         | 33.03                  | 9.03                       | 190                  | 32                      | A                       | H               |
|                                     | *    | 5180                 | 98.94               | -                       | -                           | 91.12                     | 31.78                         | 33.03                  | 9.07                       | 190                  | 32                      | P                       | H               |
|                                     | *    | 5180                 | 90.56               | -                       | -                           | 82.74                     | 31.78                         | 33.03                  | 9.07                       | 190                  | 32                      | A                       | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      | 5128.18              | 52.26               | -21.74                  | 74                          | 44.53                     | 31.73                         | 33.03                  | 9.03                       | 122                  | 347                     | P                       | V               |
|                                     |      | 5128.44              | 44.84               | -9.16                   | 54                          | 37.11                     | 31.73                         | 33.03                  | 9.03                       | 122                  | 347                     | A                       | V               |
|                                     | *    | 5180                 | 105.79              | -                       | -                           | 97.97                     | 31.78                         | 33.03                  | 9.07                       | 122                  | 347                     | P                       | V               |
|                                     | *    | 5180                 | 96.97               | -                       | -                           | 89.15                     | 31.78                         | 33.03                  | 9.07                       | 122                  | 347                     | A                       | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |      | 5041.08              | 48.94               | -25.06                  | 74                          | 41.36                     | 31.65                         | 33.04                  | 8.97                       | 181                  | 34                      | P                       | H               |
|                                     |      | 5094.9               | 40.17               | -13.83                  | 54                          | 32.5                      | 31.7                          | 33.04                  | 9.01                       | 181                  | 34                      | A                       | H               |
|                                     | *    | 5220                 | 100.99              | -                       | -                           | 93.09                     | 31.82                         | 33.03                  | 9.11                       | 181                  | 34                      | P                       | H               |
|                                     | *    | 5220                 | 91.98               | -                       | -                           | 84.08                     | 31.82                         | 33.03                  | 9.11                       | 181                  | 34                      | A                       | H               |
|                                     |      | 5403.85              | 49.25               | -24.75                  | 74                          | 41.05                     | 32                            | 33.02                  | 9.22                       | 181                  | 34                      | P                       | H               |
|                                     |      | 5420.05              | 39.9                | -14.1                   | 54                          | 31.64                     | 32.02                         | 33.02                  | 9.26                       | 181                  | 34                      | A                       | H               |
|                                     |      | 5099.58              | 49.8                | -24.2                   | 74                          | 42.13                     | 31.7                          | 33.04                  | 9.01                       | 155                  | 347                     | P                       | V               |
|                                     |      | 5024.18              | 40.72               | -13.28                  | 54                          | 33.18                     | 31.63                         | 33.04                  | 8.95                       | 155                  | 347                     | A                       | V               |
|                                     | *    | 5220                 | 105.32              | -                       | -                           | 97.42                     | 31.82                         | 33.03                  | 9.11                       | 155                  | 347                     | P                       | V               |
|                                     | *    | 5220                 | 96.98               | -                       | -                           | 89.08                     | 31.82                         | 33.03                  | 9.11                       | 155                  | 347                     | A                       | V               |
|                                     |      | 5434.09              | 48.54               | -25.46                  | 74                          | 40.27                     | 32.03                         | 33.02                  | 9.26                       | 155                  | 347                     | P                       | V               |
|                                     |      | 5420.59              | 40.01               | -13.99                  | 54                          | 31.75                     | 32.02                         | 33.02                  | 9.26                       | 155                  | 347                     | A                       | V               |



|                                                                 |                                                                                             |         |        |        |    |       |       |       |      |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5028.6  | 48.81  | -25.19 | 74 | 41.27 | 31.63 | 33.04 | 8.95 | 192 | 35  | P | H |
|                                                                 |                                                                                             | 5049.4  | 40.18  | -13.82 | 54 | 32.6  | 31.65 | 33.04 | 8.97 | 192 | 35  | A | H |
|                                                                 | *                                                                                           | 5240    | 101.3  | -      | -  | 93.38 | 31.83 | 33.03 | 9.12 | 192 | 35  | P | H |
|                                                                 | *                                                                                           | 5240    | 92.73  | -      | -  | 84.81 | 31.83 | 33.03 | 9.12 | 192 | 35  | A | H |
|                                                                 |                                                                                             | 5439.76 | 48.93  | -25.07 | 74 | 40.66 | 32.03 | 33.02 | 9.26 | 192 | 35  | P | H |
|                                                                 |                                                                                             | 5424.1  | 40.01  | -13.99 | 54 | 31.75 | 32.02 | 33.02 | 9.26 | 192 | 35  | A | H |
|                                                                 |                                                                                             | 5110.76 | 50.69  | -23.31 | 74 | 42.98 | 31.72 | 33.04 | 9.03 | 147 | 338 | P | V |
|                                                                 |                                                                                             | 5050.96 | 40.69  | -13.31 | 54 | 33.11 | 31.65 | 33.04 | 8.97 | 147 | 338 | A | V |
|                                                                 | *                                                                                           | 5240    | 106.08 | -      | -  | 98.16 | 31.83 | 33.03 | 9.12 | 147 | 338 | P | V |
|                                                                 | *                                                                                           | 5240    | 97.68  | -      | -  | 89.76 | 31.83 | 33.03 | 9.12 | 147 | 338 | A | V |
|                                                                 |                                                                                             | 5419.51 | 48.72  | -25.28 | 74 | 40.46 | 32.02 | 33.02 | 9.26 | 147 | 338 | P | V |
|                                                                 |                                                                                             | 5432.74 | 40.34  | -13.66 | 54 | 32.07 | 32.03 | 33.02 | 9.26 | 147 | 338 | 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                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 36<br>5180MHz |                                                                                             | 10360                | 44.91               | -23.29                  | 68.2                        | 51.22                     | 39.51                         | 61.07                  | 14.63                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15540                | 44.32               | -29.68                  | 74                          | 48.55                     | 38                            | 60.96                  | 17.95                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10360                | 45.27               | -22.93                  | 68.2                        | 51.58                     | 39.51                         | 61.07                  | 14.63                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15540                | 43.92               | -30.08                  | 74                          | 48.15                     | 38                            | 60.96                  | 17.95                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440                | 45.95               | -22.25                  | 68.2                        | 52.23                     | 39.61                         | 61.19                  | 14.68                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15660                | 44                  | -30                     | 74                          | 48.4                      | 37.67                         | 60.83                  | 18.06                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10440                | 46.77               | -21.43                  | 68.2                        | 53.05                     | 39.61                         | 61.19                  | 14.68                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15660                | 43.99               | -30.01                  | 74                          | 48.39                     | 37.67                         | 60.83                  | 18.06                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480                | 46.05               | -22.15                  | 68.2                        | 52.31                     | 39.68                         | 61.28                  | 14.72                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15720                | 43.28               | -30.72                  | 74                          | 47.8                      | 37.47                         | 60.75                  | 18.1                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10480                | 45.69               | -22.51                  | 68.2                        | 51.95                     | 39.68                         | 61.28                  | 14.72                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15720                | 44.88               | -29.12                  | 74                          | 49.4                      | 37.47                         | 60.75                  | 18.1                       | 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                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 5070.98              | 49.24               | -24.76                  | 74                          | 41.62                     | 31.67                         | 33.04                  | 8.99                       | 191                  | 33                      | P                       | H               |
|                                     |                                                                                             | 5148.98              | 40.93               | -13.07                  | 54                          | 33.16                     | 31.75                         | 33.03                  | 9.05                       | 191                  | 33                      | A                       | H               |
|                                     | *                                                                                           | 5190                 | 96.91               | -                       | -                           | 89.07                     | 31.78                         | 33.03                  | 9.09                       | 191                  | 33                      | P                       | H               |
|                                     | *                                                                                           | 5190                 | 88.43               | -                       | -                           | 80.59                     | 31.78                         | 33.03                  | 9.09                       | 191                  | 33                      | A                       | H               |
|                                     |                                                                                             | 5433.12              | 48.01               | -25.99                  | 74                          | 39.74                     | 32.03                         | 33.02                  | 9.26                       | 191                  | 33                      | P                       | H               |
|                                     |                                                                                             | 5456.64              | 40.63               | -13.37                  | 54                          | 32.31                     | 32.05                         | 33.02                  | 9.29                       | 191                  | 33                      | A                       | H               |
|                                     |                                                                                             | 5135.72              | 50.4                | -23.6                   | 74                          | 42.65                     | 31.73                         | 33.03                  | 9.05                       | 163                  | 342                     | P                       | V               |
|                                     |                                                                                             | 5147.16              | 44.1                | -9.9                    | 54                          | 36.33                     | 31.75                         | 33.03                  | 9.05                       | 163                  | 342                     | A                       | V               |
|                                     | *                                                                                           | 5190                 | 102.79              | -                       | -                           | 94.95                     | 31.78                         | 33.03                  | 9.09                       | 163                  | 342                     | P                       | V               |
|                                     | *                                                                                           | 5190                 | 94.15               | -                       | -                           | 86.31                     | 31.78                         | 33.03                  | 9.09                       | 163                  | 342                     | A                       | V               |
|                                     |                                                                                             | 5454.68              | 48.56               | -25.44                  | 74                          | 40.24                     | 32.05                         | 33.02                  | 9.29                       | 163                  | 342                     | P                       | V               |
|                                     |                                                                                             | 5372.08              | 40.63               | -13.37                  | 54                          | 32.49                     | 31.97                         | 33.03                  | 9.2                        | 163                  | 342                     | A                       | V               |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 5041.6               | 48.69               | -25.31                  | 74                          | 41.11                     | 31.65                         | 33.04                  | 8.97                       | 200                  | 44                      | P                       | H               |
|                                     |                                                                                             | 5054.34              | 41.18               | -12.82                  | 54                          | 33.6                      | 31.65                         | 33.04                  | 8.97                       | 200                  | 44                      | A                       | H               |
|                                     | *                                                                                           | 5230                 | 98.26               | -                       | -                           | 90.35                     | 31.83                         | 33.03                  | 9.11                       | 200                  | 44                      | P                       | H               |
|                                     | *                                                                                           | 5230                 | 90.35               | -                       | -                           | 82.44                     | 31.83                         | 33.03                  | 9.11                       | 200                  | 44                      | A                       | H               |
|                                     |                                                                                             | 5415.2               | 47.99               | -26.01                  | 74                          | 39.77                     | 32.02                         | 33.02                  | 9.22                       | 200                  | 44                      | P                       | H               |
|                                     |                                                                                             | 5408.48              | 40.46               | -13.54                  | 54                          | 32.26                     | 32                            | 33.02                  | 9.22                       | 200                  | 44                      | A                       | H               |
|                                     |                                                                                             | 5091.78              | 48.98               | -25.02                  | 74                          | 41.31                     | 31.7                          | 33.04                  | 9.01                       | 174                  | 341                     | P                       | V               |
|                                     |                                                                                             | 5126.62              | 41.83               | -12.17                  | 54                          | 34.1                      | 31.73                         | 33.03                  | 9.03                       | 174                  | 341                     | A                       | V               |
|                                     | *                                                                                           | 5230                 | 103.06              | -                       | -                           | 95.15                     | 31.83                         | 33.03                  | 9.11                       | 174                  | 341                     | P                       | V               |
|                                     | *                                                                                           | 5230                 | 94.51               | -                       | -                           | 86.6                      | 31.83                         | 33.03                  | 9.11                       | 174                  | 341                     | A                       | V               |
|                                     |                                                                                             | 5354.16              | 49.72               | -24.28                  | 74                          | 41.61                     | 31.95                         | 33.03                  | 9.19                       | 174                  | 341                     | P                       | V               |
|                                     |                                                                                             | 5426.4               | 40.61               | -13.39                  | 54                          | 32.35                     | 32.02                         | 33.02                  | 9.26                       | 174                  | 341                     | 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                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 10380                | 45.49               | -22.71                  | 68.2                        | 51.79                   | 39.54                         | 60.79                  | 14.64                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15570                | 43.92               | -30.08                  | 74                          | 48.19                   | 37.91                         | 60.54                  | 17.98                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10380                | 45.19               | -23.01                  | 68.2                        | 51.49                   | 39.54                         | 60.79                  | 14.64                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15570                | 43.77               | -30.23                  | 74                          | 48.04                   | 37.91                         | 60.54                  | 17.98                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460                | 46.97               | -21.23                  | 68.2                        | 53.25                   | 39.63                         | 61.22                  | 14.69                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15690                | 44.69               | -29.31                  | 74                          | 49.16                   | 37.57                         | 60.79                  | 18.07                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10460                | 46.35               | -21.85                  | 68.2                        | 52.63                   | 39.63                         | 61.22                  | 14.69                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15690                | 43.52               | -30.48                  | 74                          | 47.99                   | 37.57                         | 60.79                  | 18.07                      | 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  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                           |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5137.7    | 49.23      | -24.77 | 74         | 41.48    | 31.73    | 33.03  | 9.05   | 209    | 38      | P       | H       |
|                             |      | 5053.72   | 40.39      | -13.61 | 54         | 32.81    | 31.65    | 33.04  | 8.97   | 209    | 38      | A       | H       |
|                             | *    | 5260      | 106.06     | -      | -          | 98.1     | 31.87    | 33.03  | 9.12   | 209    | 38      | P       | H       |
|                             | *    | 5260      | 97.26      | -      | -          | 89.3     | 31.87    | 33.03  | 9.12   | 209    | 38      | A       | H       |
|                             |      | 5427.84   | 50.2       | -23.8  | 74         | 41.94    | 32.02    | 33.02  | 9.26   | 209    | 38      | P       | H       |
|                             |      | 5455.44   | 40.71      | -13.29 | 54         | 32.39    | 32.05    | 33.02  | 9.29   | 209    | 38      | A       | H       |
|                             |      | 5052.02   | 50.69      | -23.31 | 74         | 43.11    | 31.65    | 33.04  | 8.97   | 111    | 348     | P       | V       |
|                             |      | 5073.1    | 41.12      | -12.88 | 54         | 33.49    | 31.68    | 33.04  | 8.99   | 111    | 348     | A       | V       |
|                             | *    | 5260      | 108.28     | -      | -          | 100.32   | 31.87    | 33.03  | 9.12   | 111    | 348     | P       | V       |
|                             | *    | 5260      | 100.26     | -      | -          | 92.3     | 31.87    | 33.03  | 9.12   | 111    | 348     | A       | V       |
|                             |      | 5448.96   | 48.61      | -25.39 | 74         | 40.29    | 32.05    | 33.02  | 9.29   | 111    | 348     | P       | V       |
|                             |      | 5449.44   | 40.82      | -13.18 | 54         | 32.5     | 32.05    | 33.02  | 9.29   | 111    | 348     | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5015.64   | 49.37      | -24.63 | 74         | 41.84    | 31.62    | 33.04  | 8.95   | 179    | 37      | P       | H       |
|                             |      | 5048.62   | 40.34      | -13.66 | 54         | 32.76    | 31.65    | 33.04  | 8.97   | 179    | 37      | A       | H       |
|                             | *    | 5300      | 107.26     | -      | -          | 99.23    | 31.9     | 33.03  | 9.16   | 179    | 37      | P       | H       |
|                             | *    | 5300      | 98.54      | -      | -          | 90.51    | 31.9     | 33.03  | 9.16   | 179    | 37      | A       | H       |
|                             |      | 5352.48   | 52.07      | -21.93 | 74         | 43.96    | 31.95    | 33.03  | 9.19   | 179    | 37      | P       | H       |
|                             |      | 5352.24   | 45.89      | -8.11  | 54         | 37.78    | 31.95    | 33.03  | 9.19   | 179    | 37      | A       | H       |
|                             |      | 5107.44   | 49.84      | -24.16 | 74         | 42.13    | 31.72    | 33.04  | 9.03   | 167    | 347     | P       | V       |
|                             |      | 5103.7    | 41.45      | -12.55 | 54         | 33.78    | 31.7     | 33.04  | 9.01   | 167    | 347     | P       | V       |
|                             | *    | 5300      | 109.33     | -      | -          | 101.3    | 31.9     | 33.03  | 9.16   | 167    | 347     | P       | V       |
|                             | *    | 5300      | 101.05     | -      | -          | 93.02    | 31.9     | 33.03  | 9.16   | 167    | 347     | A       | V       |
|                             |      | 5352.48   | 52.86      | -21.14 | 74         | 44.75    | 31.95    | 33.03  | 9.19   | 167    | 347     | P       | V       |
|                             |      | 5352.24   | 46.91      | -7.09  | 54         | 38.8     | 31.95    | 33.03  | 9.19   | 167    | 347     | P       | V       |



|                                      |                                                                                             |         |        |        |    |       |       |       |      |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11a<br/>CH 64<br/>5320MHz</b> | *                                                                                           | 5320    | 103.56 | -      | -  | 95.5  | 31.92 | 33.03 | 9.17 | 200 | 42  | P | H |
|                                      | *                                                                                           | 5320    | 94.75  | -      | -  | 86.69 | 31.92 | 33.03 | 9.17 | 200 | 42  | A | H |
|                                      |                                                                                             | 5371.68 | 49.48  | -24.52 | 74 | 41.34 | 31.97 | 33.03 | 9.2  | 200 | 42  | P | H |
|                                      |                                                                                             | 5372.16 | 43.07  | -10.93 | 54 | 34.93 | 31.97 | 33.03 | 9.2  | 200 | 42  | A | H |
|                                      |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | H |
|                                      |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | H |
|                                      | *                                                                                           | 5320    | 106.19 | -      | -  | 98.13 | 31.92 | 33.03 | 9.17 | 131 | 337 | P | V |
|                                      | *                                                                                           | 5320    | 97.5   | -      | -  | 89.44 | 31.92 | 33.03 | 9.17 | 131 | 337 | A | V |
|                                      |                                                                                             | 5372.8  | 50.98  | -23.02 | 74 | 42.84 | 31.97 | 33.03 | 9.2  | 131 | 337 | P | V |
|                                      |                                                                                             | 5372    | 44.47  | -9.53  | 54 | 36.33 | 31.97 | 33.03 | 9.2  | 131 | 337 | 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           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520                | 45.99               | -28.01                  | 74                          | 52.24                     | 39.71                         | 61.32                  | 14.74                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15780                | 43.38               | -30.62                  | 74                          | 47.97                     | 37.33                         | 60.69                  | 18.15                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10520                | 46.07               | -27.93                  | 74                          | 52.32                     | 39.71                         | 61.32                  | 14.74                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15780                | 44.28               | -29.72                  | 74                          | 48.87                     | 37.33                         | 60.69                  | 18.15                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600                | 46.15               | -27.85                  | 74                          | 52.34                     | 39.78                         | 61.39                  | 14.8                       | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15900                | 43.13               | -30.87                  | 74                          | 47.89                     | 36.99                         | 60.56                  | 18.25                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10600                | 45.16               | -28.84                  | 74                          | 51.35                     | 39.78                         | 61.39                  | 14.8                       | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15900                | 43.05               | -30.95                  | 74                          | 47.81                     | 36.99                         | 60.56                  | 18.25                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640                | 46.33               | -27.67                  | 74                          | 52.51                     | 39.81                         | 61.41                  | 14.82                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15960                | 42.68               | -31.32                  | 74                          | 47.55                     | 36.8                          | 60.49                  | 18.3                       | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10640                | 45.27               | -28.73                  | 74                          | 51.45                     | 39.81                         | 61.41                  | 14.82                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15960                | 42.64               | -31.36                  | 74                          | 47.51                     | 36.8                          | 60.49                  | 18.3                       | 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                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 52<br>5260MHz |      | 5067.66              | 49.54               | -24.46                  | 74                          | 41.92                     | 31.67                         | 33.04                  | 8.99                       | 209                  | 38                      | P                       | H               |
|                                     |      | 5073.78              | 40.37               | -13.63                  | 54                          | 32.74                     | 31.68                         | 33.04                  | 8.99                       | 209                  | 38                      | A                       | H               |
|                                     | *    | 5260                 | 104.09              | -                       | -                           | 96.13                     | 31.87                         | 33.03                  | 9.12                       | 209                  | 38                      | P                       | H               |
|                                     | *    | 5260                 | 95.86               | -                       | -                           | 87.9                      | 31.87                         | 33.03                  | 9.12                       | 209                  | 38                      | A                       | H               |
|                                     |      | 5457.36              | 48.32               | -25.68                  | 74                          | 40                        | 32.05                         | 33.02                  | 9.29                       | 209                  | 38                      | P                       | H               |
|                                     |      | 5448.24              | 40.47               | -13.53                  | 54                          | 32.15                     | 32.05                         | 33.02                  | 9.29                       | 209                  | 38                      | A                       | H               |
|                                     |      | 5139.74              | 50.12               | -23.88                  | 74                          | 42.35                     | 31.75                         | 33.03                  | 9.05                       | 111                  | 348                     | P                       | V               |
|                                     |      | 5062.56              | 40.98               | -13.02                  | 54                          | 33.36                     | 31.67                         | 33.04                  | 8.99                       | 111                  | 348                     | A                       | V               |
|                                     | *    | 5260                 | 107.12              | -                       | -                           | 99.16                     | 31.87                         | 33.03                  | 9.12                       | 111                  | 348                     | P                       | V               |
|                                     | *    | 5260                 | 99.15               | -                       | -                           | 91.19                     | 31.87                         | 33.03                  | 9.12                       | 111                  | 348                     | A                       | V               |
|                                     |      | 5458.56              | 49.67               | -24.33                  | 74                          | 41.35                     | 32.05                         | 33.02                  | 9.29                       | 111                  | 348                     | P                       | V               |
|                                     |      | 5444.16              | 40.45               | -13.55                  | 54                          | 32.18                     | 32.03                         | 33.02                  | 9.26                       | 111                  | 348                     | A                       | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |      | 5007.14              | 48.72               | -25.28                  | 74                          | 41.19                     | 31.62                         | 33.04                  | 8.95                       | 180                  | 36                      | P                       | H               |
|                                     |      | 5069.36              | 40.44               | -13.56                  | 54                          | 32.82                     | 31.67                         | 33.04                  | 8.99                       | 180                  | 36                      | A                       | H               |
|                                     | *    | 5300                 | 106.08              | -                       | -                           | 98.05                     | 31.9                          | 33.03                  | 9.16                       | 180                  | 36                      | P                       | H               |
|                                     | *    | 5300                 | 97.43               | -                       | -                           | 89.4                      | 31.9                          | 33.03                  | 9.16                       | 180                  | 36                      | A                       | H               |
|                                     |      | 5355.84              | 51.14               | -22.86                  | 74                          | 43.03                     | 31.95                         | 33.03                  | 9.19                       | 180                  | 36                      | P                       | H               |
|                                     |      | 5351.76              | 45.81               | -8.19                   | 54                          | 37.7                      | 31.95                         | 33.03                  | 9.19                       | 180                  | 36                      | A                       | H               |
|                                     |      | 5058.14              | 49.7                | -24.3                   | 74                          | 42.08                     | 31.67                         | 33.04                  | 8.99                       | 167                  | 347                     | P                       | V               |
|                                     |      | 5103.7               | 41.28               | -12.72                  | 54                          | 33.61                     | 31.7                          | 33.04                  | 9.01                       | 167                  | 347                     | A                       | V               |
|                                     | *    | 5300                 | 108.49              | -                       | -                           | 100.46                    | 31.9                          | 33.03                  | 9.16                       | 167                  | 347                     | P                       | V               |
|                                     | *    | 5300                 | 100.23              | -                       | -                           | 92.2                      | 31.9                          | 33.03                  | 9.16                       | 167                  | 347                     | A                       | V               |
|                                     |      | 5351.76              | 53.35               | -20.65                  | 74                          | 45.24                     | 31.95                         | 33.03                  | 9.19                       | 167                  | 347                     | P                       | V               |
|                                     |      | 5351.76              | 47.32               | -6.68                   | 54                          | 39.21                     | 31.95                         | 33.03                  | 9.19                       | 167                  | 347                     | A                       | V               |



|                                               |                                                                                             |         |        |        |    |       |       |       |      |     |     |   |   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 64<br/>5320MHz</b> | *                                                                                           | 5320    | 103.92 | -      | -  | 95.86 | 31.92 | 33.03 | 9.17 | 200 | 42  | P | H |
|                                               | *                                                                                           | 5320    | 94.96  | -      | -  | 86.9  | 31.92 | 33.03 | 9.17 | 200 | 42  | A | H |
|                                               |                                                                                             | 5372.64 | 49.71  | -24.29 | 74 | 41.57 | 31.97 | 33.03 | 9.2  | 200 | 42  | P | H |
|                                               |                                                                                             | 5371.68 | 43.62  | -10.38 | 54 | 35.48 | 31.97 | 33.03 | 9.2  | 200 | 42  | A | H |
|                                               |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | H |
|                                               |                                                                                             |         |        |        |    |       |       |       |      |     |     |   | H |
|                                               | *                                                                                           | 5320    | 105.74 | -      | -  | 97.68 | 31.92 | 33.03 | 9.17 | 131 | 337 | P | V |
|                                               | *                                                                                           | 5320    | 97.56  | -      | -  | 89.5  | 31.92 | 33.03 | 9.17 | 131 | 337 | A | V |
|                                               |                                                                                             | 5372.16 | 51.26  | -22.74 | 74 | 43.12 | 31.97 | 33.03 | 9.2  | 131 | 337 | P | V |
|                                               |                                                                                             | 5371.68 | 45.23  | -8.77  | 54 | 37.09 | 31.97 | 33.03 | 9.2  | 131 | 337 | 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                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 52<br>5260MHz |                                                                                             | 10520                | 46.12               | -27.88                  | 74                          | 52.37                     | 39.71                         | 61.32                  | 14.74                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15780                | 43.67               | -30.33                  | 74                          | 48.26                     | 37.33                         | 60.69                  | 18.15                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10520                | 45.82               | -28.18                  | 74                          | 52.07                     | 39.71                         | 61.32                  | 14.74                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15780                | 44.82               | -29.18                  | 74                          | 49.41                     | 37.33                         | 60.69                  | 18.15                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |                                                                                             | 10600                | 45                  | -29                     | 74                          | 51.19                     | 39.78                         | 61.39                  | 14.8                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15900                | 42.39               | -31.61                  | 74                          | 47.15                     | 36.99                         | 60.56                  | 18.25                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10600                | 45.25               | -28.75                  | 74                          | 51.44                     | 39.78                         | 61.39                  | 14.8                       | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15900                | 42.89               | -31.11                  | 74                          | 47.65                     | 36.99                         | 60.56                  | 18.25                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 64<br>5320MHz |                                                                                             | 10640                | 45.75               | -28.25                  | 74                          | 51.93                     | 39.81                         | 61.41                  | 14.82                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15960                | 42.79               | -31.21                  | 74                          | 47.66                     | 36.8                          | 60.49                  | 18.3                       | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10640                | 45.59               | -28.41                  | 74                          | 51.77                     | 39.81                         | 61.41                  | 14.82                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15960                | 42.27               | -31.73                  | 74                          | 47.14                     | 36.8                          | 60.49                  | 18.3                       | 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                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 54<br>5270MHz |                                                                                             | 5083.98              | 48.76               | -25.24                  | 74                          | 41.11                     | 31.68                         | 33.04                  | 9.01                       | 196                  | 39                      | P                       | H               |
|                                     |                                                                                             | 5113.22              | 41.09               | -12.91                  | 54                          | 33.38                     | 31.72                         | 33.04                  | 9.03                       | 196                  | 39                      | A                       | H               |
|                                     | *                                                                                           | 5270                 | 100.01              | -                       | -                           | 92.03                     | 31.87                         | 33.03                  | 9.14                       | 196                  | 39                      | P                       | H               |
|                                     | *                                                                                           | 5270                 | 92.18               | -                       | -                           | 84.2                      | 31.87                         | 33.03                  | 9.14                       | 196                  | 39                      | A                       | H               |
|                                     |                                                                                             | 5365.2               | 48.55               | -25.45                  | 74                          | 40.42                     | 31.97                         | 33.03                  | 9.19                       | 196                  | 39                      | P                       | H               |
|                                     |                                                                                             | 5372.88              | 40.99               | -13.01                  | 54                          | 32.85                     | 31.97                         | 33.03                  | 9.2                        | 196                  | 39                      | A                       | H               |
|                                     |                                                                                             | 5115.94              | 49.48               | -24.52                  | 74                          | 41.77                     | 31.72                         | 33.04                  | 9.03                       | 100                  | 348                     | P                       | V               |
|                                     |                                                                                             | 5139.74              | 41.39               | -12.61                  | 54                          | 33.62                     | 31.75                         | 33.03                  | 9.05                       | 100                  | 348                     | A                       | V               |
|                                     | *                                                                                           | 5270                 | 102.96              | -                       | -                           | 94.98                     | 31.87                         | 33.03                  | 9.14                       | 100                  | 348                     | P                       | V               |
|                                     | *                                                                                           | 5270                 | 94.61               | -                       | -                           | 86.63                     | 31.87                         | 33.03                  | 9.14                       | 100                  | 348                     | A                       | V               |
|                                     |                                                                                             | 5426.88              | 49.34               | -24.66                  | 74                          | 41.08                     | 32.02                         | 33.02                  | 9.26                       | 100                  | 348                     | P                       | V               |
|                                     |                                                                                             | 5373.12              | 41.36               | -12.64                  | 54                          | 33.22                     | 31.97                         | 33.03                  | 9.2                        | 100                  | 348                     | A                       | V               |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 5058.48              | 50.43               | -23.57                  | 74                          | 42.81                     | 31.67                         | 33.04                  | 8.99                       | 178                  | 43                      | P                       | H               |
|                                     |                                                                                             | 5089.42              | 41.17               | -12.83                  | 54                          | 33.5                      | 31.7                          | 33.04                  | 9.01                       | 178                  | 43                      | A                       | H               |
|                                     | *                                                                                           | 5310                 | 100.36              | -                       | -                           | 92.31                     | 31.92                         | 33.03                  | 9.16                       | 178                  | 43                      | P                       | H               |
|                                     | *                                                                                           | 5310                 | 92.27               | -                       | -                           | 84.22                     | 31.92                         | 33.03                  | 9.16                       | 178                  | 43                      | A                       | H               |
|                                     |                                                                                             | 5353.44              | 50.06               | -23.94                  | 74                          | 41.95                     | 31.95                         | 33.03                  | 9.19                       | 178                  | 43                      | P                       | H               |
|                                     |                                                                                             | 5351.52              | 42.28               | -11.72                  | 54                          | 34.17                     | 31.95                         | 33.03                  | 9.19                       | 178                  | 43                      | A                       | H               |
|                                     |                                                                                             | 5124.78              | 49.89               | -24.11                  | 74                          | 42.16                     | 31.73                         | 33.03                  | 9.03                       | 100                  | 335                     | P                       | V               |
|                                     |                                                                                             | 5085                 | 41.26               | -12.74                  | 54                          | 33.61                     | 31.68                         | 33.04                  | 9.01                       | 100                  | 335                     | A                       | V               |
|                                     | *                                                                                           | 5310                 | 102.79              | -                       | -                           | 94.74                     | 31.92                         | 33.03                  | 9.16                       | 100                  | 335                     | P                       | V               |
|                                     | *                                                                                           | 5310                 | 94.05               | -                       | -                           | 86                        | 31.92                         | 33.03                  | 9.16                       | 100                  | 335                     | A                       | V               |
|                                     |                                                                                             | 5350.08              | 51.14               | -22.86                  | 74                          | 43.03                     | 31.95                         | 33.03                  | 9.19                       | 100                  | 335                     | P                       | V               |
|                                     |                                                                                             | 5350.56              | 43.62               | -10.38                  | 54                          | 35.51                     | 31.95                         | 33.03                  | 9.19                       | 100                  | 335                     | 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                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n<br>HT40<br>CH 54<br>5270MHz |                                                                                             | 10540                | 46.52               | -27.48                  | 74                          | 52.75                   | 39.73                         | 61.34                  | 14.76                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15810                | 42.94               | -31.06                  | 74                          | 47.57                   | 37.23                         | 60.66                  | 18.18                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10540                | 45.88               | -28.12                  | 74                          | 52.11                   | 39.73                         | 61.34                  | 14.76                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15810                | 43.7                | -30.3                   | 74                          | 48.33                   | 37.23                         | 60.66                  | 18.18                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 10620                | 45.91               | -28.09                  | 74                          | 52.1                    | 39.8                          | 61.4                   | 14.81                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15930                | 41.98               | -32.02                  | 74                          | 46.8                    | 36.89                         | 60.53                  | 18.28                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10620                | 44.8                | -29.2                   | 74                          | 50.99                   | 39.8                          | 61.4                   | 14.81                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15930                | 42.4                | -31.6                   | 74                          | 47.22                   | 36.89                         | 60.53                  | 18.28                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 3 - 5470~5725MHz

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

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 100<br>5500MHz |      | 5445.52   | 49.61      | -24.39 | 74         | 41.29    | 32.05    | 9.29   | 33.02  | 201    | 30      | P       | H       |
|                              |      | 5461.52   | 48.31      | -19.89 | 68.2       | 39.99    | 32.05    | 9.29   | 33.02  | 201    | 30      | P       | H       |
|                              |      | 5447.44   | 42.56      | -11.44 | 54         | 34.24    | 32.05    | 9.29   | 33.02  | 201    | 30      | A       | H       |
|                              | *    | 5500      | 102.64     | -      | -          | 94.19    | 32.1     | 9.37   | 33.02  | 201    | 30      | P       | H       |
|                              | *    | 5500      | 93.65      | -      | -          | 85.2     | 32.1     | 9.37   | 33.02  | 201    | 30      | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5447.44   | 51.68      | -22.32 | 74         | 43.36    | 32.05    | 9.29   | 33.02  | 187    | 340     | P       | V       |
|                              |      | 5467.44   | 48.67      | -19.53 | 68.2       | 40.33    | 32.07    | 9.29   | 33.02  | 187    | 340     | P       | V       |
|                              |      | 5447.92   | 45.07      | -8.93  | 54         | 36.75    | 32.05    | 9.29   | 33.02  | 187    | 340     | A       | V       |
|                              | *    | 5500      | 105.9      | -      | -          | 97.45    | 32.1     | 9.37   | 33.02  | 187    | 340     | P       | V       |
|                              | *    | 5500      | 96.97      | -      | -          | 88.52    | 32.1     | 9.37   | 33.02  | 187    | 340     | A       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5383.12   | 49.29      | -24.71 | 74         | 41.13    | 31.98    | 33.02  | 9.2    | 197    | 37      | P       | H       |
|                              |      | 5462.08   | 48.15      | -20.05 | 68.2       | 39.83    | 32.05    | 33.02  | 9.29   | 197    | 37      | P       | H       |
|                              |      | 5382.88   | 40.24      | -13.76 | 54         | 32.08    | 31.98    | 33.02  | 9.2    | 197    | 37      | A       | H       |
|                              | *    | 5580      | 105.37     | -      | -          | 96.74    | 32.22    | 33.07  | 9.48   | 197    | 37      | P       | H       |
|                              | *    | 5580      | 97.04      | -      | -          | 88.41    | 32.22    | 33.07  | 9.48   | 197    | 37      | A       | H       |
|                              |      | 5752.085  | 50.32      | -17.88 | 68.2       | 41.02    | 32.57    | 33.15  | 9.88   | 197    | 37      | P       | H       |
|                              |      | 5396.08   | 49.35      | -24.65 | 74         | 41.15    | 32       | 33.02  | 9.22   | 100    | 0       | P       | V       |
|                              |      | 5464.96   | 48.57      | -19.63 | 68.2       | 40.23    | 32.07    | 33.02  | 9.29   | 100    | 0       | P       | V       |
|                              |      | 5392.24   | 40.32      | -13.68 | 54         | 32.16    | 31.98    | 33.02  | 9.2    | 100    | 0       | A       | V       |
|                              | *    | 5580      | 104.13     | -      | -          | 95.5     | 32.22    | 33.07  | 9.48   | 100    | 0       | P       | V       |
|                              | *    | 5580      | 96.3       | -      | -          | 87.67    | 32.22    | 33.07  | 9.48   | 100    | 0       | A       | V       |
|                              |      | 5758.07   | 50         | -18.2  | 68.2       | 40.64    | 32.57    | 33.16  | 9.95   | 100    | 0       | P       | V       |



|                                       |                                                                                             |         |        |        |      |       |       |       |      |     |     |   |   |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 99.13  | -      | -    | 90.06 | 32.44 | 33.12 | 9.75 | 178 | 41  | P | H |
|                                       | *                                                                                           | 5700    | 91.76  | -      | -    | 82.69 | 32.44 | 33.12 | 9.75 | 178 | 41  | A | H |
|                                       |                                                                                             | 5751.32 | 51     | -17.2  | 68.2 | 41.74 | 32.53 | 33.15 | 9.88 | 178 | 41  | P | H |
|                                       |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | H |
|                                       | *                                                                                           | 5700    | 101.83 | -      | -    | 92.76 | 32.44 | 33.12 | 9.75 | 109 | 327 | P | V |
|                                       | *                                                                                           | 5700    | 93.95  | -      | -    | 84.88 | 32.44 | 33.12 | 9.75 | 109 | 327 | A | V |
|                                       |                                                                                             | 5726.76 | 50.35  | -17.85 | 68.2 | 41.17 | 32.5  | 33.13 | 9.81 | 109 | 327 | P | V |
|                                       |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | V |
|                                       |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | V |
|                                       |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | V |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |      |       |       |       |      |     |     |   |   |



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

| WIFI<br>Ant.<br>1            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000                | 48.17               | -25.83                  | 74                          | 54.09                     | 40.1                          | 61.7                   | 15.08                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 16500                | 44.2                | -24                     | 68.2                        | 46.16                     | 38.5                          | 59.8                   | 18.74                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11000                | 46.7                | -27.3                   | 74                          | 52.62                     | 40.1                          | 61.7                   | 15.08                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 16500                | 45.13               | -23.07                  | 68.2                        | 47.09                     | 38.5                          | 59.8                   | 18.74                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160                | 47.73               | -26.27                  | 74                          | 53.57                     | 40.07                         | 61.69                  | 15.2                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 16740                | 46.2                | -22                     | 68.2                        | 46.79                     | 39.08                         | 59.24                  | 18.93                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11160                | 48.31               | -25.69                  | 74                          | 54.15                     | 40.07                         | 61.69                  | 15.2                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 16740                | 45.61               | -22.59                  | 68.2                        | 46.2                      | 39.08                         | 59.24                  | 18.93                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400                | 46.61               | -27.39                  | 74                          | 52.33                     | 40.02                         | 61.68                  | 15.38                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17100                | 47.43               | -20.77                  | 68.2                        | 45.8                      | 40.06                         | 58.31                  | 19.18                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11400                | 46.72               | -27.28                  | 74                          | 52.44                     | 40.02                         | 61.68                  | 15.38                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17100                | 47.51               | -20.69                  | 68.2                        | 45.88                     | 40.06                         | 58.31                  | 19.18                      | 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                              | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 100<br/>5500MHz</b> |      | 5448.56              | 51.87               | -22.13                  | 74                          | 43.55                     | 32.05                         | 33.02                  | 9.29                       | 186                  | 36                      | P                       | H               |
|                                                |      | 5470                 | 51.43               | -16.77                  | 68.2                        | 43.09                     | 32.07                         | 33.02                  | 9.29                       | 186                  | 36                      | P                       | H               |
|                                                |      | 5448.24              | 45.3                | -8.7                    | 54                          | 36.98                     | 32.05                         | 33.02                  | 9.29                       | 186                  | 36                      | A                       | H               |
|                                                | *    | 5500                 | 104.11              | -                       | -                           | 95.66                     | 32.1                          | 33.02                  | 9.37                       | 186                  | 36                      | P                       | H               |
|                                                | *    | 5500                 | 96.06               | -                       | -                           | 87.61                     | 32.1                          | 33.02                  | 9.37                       | 186                  | 36                      | A                       | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      | 5448.72              | 53.23               | -20.77                  | 74                          | 44.91                     | 32.05                         | 33.02                  | 9.29                       | 317                  | 345                     | P                       | V               |
|                                                |      | 5465.52              | 51                  | -17.2                   | 68.2                        | 42.66                     | 32.07                         | 33.02                  | 9.29                       | 317                  | 345                     | P                       | V               |
|                                                |      | 5448.4               | 45.84               | -8.16                   | 54                          | 37.52                     | 32.05                         | 33.02                  | 9.29                       | 317                  | 345                     | A                       | V               |
|                                                | *    | 5500                 | 104.8               | -                       | -                           | 96.35                     | 32.1                          | 33.02                  | 9.37                       | 317                  | 345                     | P                       | V               |
|                                                | *    | 5500                 | 97.07               | -                       | -                           | 88.62                     | 32.1                          | 33.02                  | 9.37                       | 317                  | 345                     | A                       | V               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11n<br/>HT20<br/>CH 116<br/>5580MHz</b> |      | 5387.92              | 48.22               | -25.78                  | 74                          | 40.06                     | 31.98                         | 33.02                  | 9.2                        | 184                  | 38                      | P                       | H               |
|                                                |      | 5470                 | 47.72               | -20.48                  | 68.2                        | 39.38                     | 32.07                         | 33.02                  | 9.29                       | 184                  | 38                      | P                       | H               |
|                                                |      | 5380.48              | 40.22               | -13.78                  | 54                          | 32.06                     | 31.98                         | 33.02                  | 9.2                        | 184                  | 38                      | A                       | H               |
|                                                | *    | 5580                 | 104.56              | -                       | -                           | 95.93                     | 32.22                         | 33.07                  | 9.48                       | 184                  | 38                      | P                       | H               |
|                                                | *    | 5580                 | 96.93               | -                       | -                           | 88.3                      | 32.22                         | 33.07                  | 9.48                       | 184                  | 38                      | A                       | H               |
|                                                |      | 5736.02              | 49.92               | -18.28                  | 68.2                        | 40.66                     | 32.53                         | 33.15                  | 9.88                       | 184                  | 38                      | P                       | H               |
|                                                |      | 5427.76              | 50.32               | -23.68                  | 74                          | 42.06                     | 32.02                         | 33.02                  | 9.26                       | 119                  | 330                     | P                       | V               |
|                                                |      | 5467.36              | 47.67               | -20.53                  | 68.2                        | 39.33                     | 32.07                         | 33.02                  | 9.29                       | 119                  | 330                     | P                       | V               |
|                                                |      | 5392.48              | 40.34               | -13.66                  | 54                          | 32.18                     | 31.98                         | 33.02                  | 9.2                        | 119                  | 330                     | A                       | V               |
|                                                | *    | 5580                 | 105.54              | -                       | -                           | 96.91                     | 32.22                         | 33.07                  | 9.48                       | 119                  | 330                     | P                       | V               |
|                                                | *    | 5580                 | 98.16               | -                       | -                           | 89.53                     | 32.22                         | 33.07                  | 9.48                       | 119                  | 330                     | A                       | V               |
|                                                |      | 5738.855             | 48.92               | -19.28                  | 68.2                        | 39.66                     | 32.53                         | 33.15                  | 9.88                       | 119                  | 330                     | P                       | V               |



|                                                                              |                                                                                             |         |        |        |      |       |       |       |      |     |     |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 140</b><br><br><b>5700MHz</b> | *                                                                                           | 5700    | 99.69  | -      | -    | 90.62 | 32.44 | 33.12 | 9.75 | 183 | 28  | P | H |
|                                                                              | *                                                                                           | 5700    | 91.07  | -      | -    | 82    | 32.44 | 33.12 | 9.75 | 183 | 28  | A | H |
|                                                                              |                                                                                             | 5730.76 | 49.77  | -18.43 | 68.2 | 40.54 | 32.5  | 33.15 | 9.88 | 183 | 28  | P | H |
|                                                                              |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | H |
|                                                                              |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | H |
|                                                                              |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | H |
|                                                                              | *                                                                                           | 5700    | 101.32 | -      | -    | 92.25 | 32.44 | 33.12 | 9.75 | 107 | 328 | P | V |
|                                                                              | *                                                                                           | 5700    | 93.34  | -      | -    | 84.27 | 32.44 | 33.12 | 9.75 | 107 | 328 | A | V |
|                                                                              |                                                                                             | 5725.64 | 51.69  | -16.51 | 68.2 | 42.51 | 32.5  | 33.13 | 9.81 | 107 | 328 | P | V |
|                                                                              |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | V |
|                                                                              |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | V |
|                                                                              |                                                                                             |         |        |        |      |       |       |       |      |     |     |   | V |
| <b>Remark</b>                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |      |       |       |       |      |     |     |   |   |



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

| WIFI<br>Ant.<br>1                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n<br>HT20<br>CH 100<br>5500MHz |                                                                                             | 11000                | 47.05               | -26.95                  | 74                          | 52.97                   | 40.1                          | 61.7                   | 15.08                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 16500                | 45.81               | -22.39                  | 68.2                        | 47.77                   | 38.5                          | 59.8                   | 18.74                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             | 11000                | 47.69               | -26.31                  | 74                          | 53.61                   | 40.1                          | 61.7                   | 15.08                      | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             | 16500                | 44.6                | -23.6                   | 68.2                        | 46.56                   | 38.5                          | 59.8                   | 18.74                      | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160                | 47.91               | -26.09                  | 74                          | 53.75                   | 40.07                         | 61.69                  | 15.2                       | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 16740                | 47.06               | -21.14                  | 68.2                        | 47.65                   | 39.08                         | 59.24                  | 18.93                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             | 11160                | 47.9                | -26.1                   | 74                          | 53.74                   | 40.07                         | 61.69                  | 15.2                       | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             | 16740                | 45.09               | -23.11                  | 68.2                        | 45.68                   | 39.08                         | 59.24                  | 18.93                      | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400                | 47.37               | -26.63                  | 74                          | 53.09                   | 40.02                         | 61.68                  | 15.38                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 17100                | 47.73               | -20.47                  | 68.2                        | 46.1                    | 40.06                         | 58.31                  | 19.18                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             | 11400                | 47.02               | -26.98                  | 74                          | 52.74                   | 40.02                         | 61.68                  | 15.38                      | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             | 17100                | 47.65               | -20.55                  | 68.2                        | 46.02                   | 40.06                         | 58.31                  | 19.18                      | 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                              | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 102<br/>5510MHz</b> |      | 5439.28              | 48.68               | -25.32                  | 74                          | 40.41                     | 32.03                         | 33.02                  | 9.26                       | 197                  | 42                      | P                       | H               |
|                                                |      | 5469.28              | 53.44               | -14.76                  | 68.2                        | 45.1                      | 32.07                         | 33.02                  | 9.29                       | 197                  | 42                      | P                       | H               |
|                                                |      | 5459.92              | 42.46               | -11.54                  | 54                          | 34.14                     | 32.05                         | 33.02                  | 9.29                       | 197                  | 42                      | A                       | H               |
|                                                | *    | 5510                 | 100.88              | -                       | -                           | 92.44                     | 32.1                          | 33.03                  | 9.37                       | 197                  | 42                      | P                       | H               |
|                                                | *    | 5510                 | 92.06               | -                       | -                           | 83.62                     | 32.1                          | 33.03                  | 9.37                       | 197                  | 42                      | A                       | H               |
|                                                |      | 5734.445             | 50.02               | -18.18                  | 68.2                        | 40.79                     | 32.5                          | 33.15                  | 9.88                       | 197                  | 42                      | P                       | H               |
|                                                |      | 5447.68              | 49.5                | -24.5                   | 74                          | 41.18                     | 32.05                         | 33.02                  | 9.29                       | 139                  | 331                     | P                       | V               |
|                                                |      | 5469.52              | 54.05               | -14.15                  | 68.2                        | 45.71                     | 32.07                         | 33.02                  | 9.29                       | 139                  | 331                     | P                       | V               |
|                                                |      | 5459.68              | 43.1                | -10.9                   | 54                          | 34.78                     | 32.05                         | 33.02                  | 9.29                       | 139                  | 331                     | A                       | V               |
|                                                | *    | 5510                 | 102.4               | -                       | -                           | 93.96                     | 32.1                          | 33.03                  | 9.37                       | 139                  | 331                     | P                       | V               |
|                                                | *    | 5510                 | 93.6                | -                       | -                           | 85.16                     | 32.1                          | 33.03                  | 9.37                       | 139                  | 331                     | A                       | V               |
|                                                |      | 5729.405             | 48.43               | -19.77                  | 68.2                        | 39.25                     | 32.5                          | 33.13                  | 9.81                       | 139                  | 331                     | P                       | V               |
| <b>802.11n<br/>HT40<br/>CH 110<br/>5550MHz</b> |      | 5350                 | 48.24               | -25.76                  | 74                          | 40.13                     | 31.95                         | 33.03                  | 9.19                       | 180                  | 41                      | P                       | H               |
|                                                |      | 5468.32              | 46.82               | -21.38                  | 68.2                        | 38.48                     | 32.07                         | 33.02                  | 9.29                       | 180                  | 41                      | P                       | H               |
|                                                |      | 5447.92              | 40.88               | -13.12                  | 54                          | 32.56                     | 32.05                         | 33.02                  | 9.29                       | 180                  | 41                      | A                       | H               |
|                                                | *    | 5550                 | 100.39              | -                       | -                           | 91.81                     | 32.19                         | 33.05                  | 9.44                       | 180                  | 41                      | P                       | H               |
|                                                | *    | 5550                 | 91.17               | -                       | -                           | 82.59                     | 32.19                         | 33.05                  | 9.44                       | 180                  | 41                      | A                       | H               |
|                                                |      | 5747.045             | 49.08               | -19.12                  | 68.2                        | 39.82                     | 32.53                         | 33.15                  | 9.88                       | 180                  | 41                      | P                       | H               |
|                                                |      | 5422.48              | 48.78               | -25.22                  | 74                          | 40.52                     | 32.02                         | 33.02                  | 9.26                       | 127                  | 329                     | P                       | V               |
|                                                |      | 5469.28              | 49.7                | -18.5                   | 68.2                        | 41.36                     | 32.07                         | 33.02                  | 9.29                       | 127                  | 329                     | P                       | V               |
|                                                |      | 5446.96              | 41.54               | -12.46                  | 54                          | 33.22                     | 32.05                         | 33.02                  | 9.29                       | 127                  | 329                     | A                       | V               |
|                                                | *    | 5550                 | 102.58              | -                       | -                           | 94                        | 32.19                         | 33.05                  | 9.44                       | 127                  | 329                     | P                       | V               |
|                                                | *    | 5550                 | 93.83               | -                       | -                           | 85.25                     | 32.19                         | 33.05                  | 9.44                       | 127                  | 329                     | A                       | V               |
|                                                |      | 5749.88              | 49.09               | -19.11                  | 68.2                        | 39.83                     | 32.53                         | 33.15                  | 9.88                       | 127                  | 329                     | P                       | V               |



|                                                                  |                                                                                             |          |       |        |      |       |       |       |      |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|-------|--------|------|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5427     | 47.32 | -26.68 | 74   | 39.06 | 32.02 | 33.02 | 9.26 | 164 | 31  | P | H |
|                                                                  |                                                                                             | 5466.55  | 49.45 | -18.75 | 68.2 | 41.11 | 32.07 | 33.02 | 9.29 | 164 | 31  | P | H |
|                                                                  |                                                                                             | 5449.4   | 40.73 | -13.27 | 54   | 32.41 | 32.05 | 33.02 | 9.29 | 164 | 31  | A | H |
|                                                                  | *                                                                                           | 5670     | 97.35 | -      | -    | 88.37 | 32.41 | 33.11 | 9.68 | 164 | 31  | P | H |
|                                                                  | *                                                                                           | 5670     | 88.28 | -      | -    | 79.3  | 32.41 | 33.11 | 9.68 | 164 | 31  | A | H |
|                                                                  |                                                                                             | 5753.275 | 50.23 | -17.97 | 68.2 | 40.93 | 32.57 | 33.15 | 9.88 | 164 | 31  | P | H |
|                                                                  |                                                                                             | 5387.8   | 48.1  | -25.9  | 74   | 39.94 | 31.98 | 33.02 | 9.2  | 143 | 327 | P | V |
|                                                                  |                                                                                             | 5468.3   | 48.13 | -20.07 | 68.2 | 39.79 | 32.07 | 33.02 | 9.29 | 143 | 327 | P | V |
|                                                                  |                                                                                             | 5458.85  | 40.41 | -13.59 | 54   | 32.09 | 32.05 | 33.02 | 9.29 | 143 | 327 | A | V |
|                                                                  | *                                                                                           | 5670     | 99.45 | -      | -    | 90.47 | 32.41 | 33.11 | 9.68 | 143 | 327 | P | V |
|                                                                  | *                                                                                           | 5670     | 91.08 | -      | -    | 82.1  | 32.41 | 33.11 | 9.68 | 143 | 327 | A | V |
|                                                                  |                                                                                             | 5735.425 | 48.95 | -19.25 | 68.2 | 39.69 | 32.53 | 33.15 | 9.88 | 143 | 327 | P | V |
| <b>Remark</b>                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |       |        |      |       |       |       |      |     |     |   |   |



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

| WIFI<br>Ant.<br>1                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 102<br>5510MHz |                                                                                             | 11020                | 48.73               | -25.27                  | 74                          | 54.63                     | 40.1                          | 61.69                  | 15.11                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16530                | 44.67               | -23.53                  | 68.2                        | 46.45                     | 38.58                         | 59.72                  | 18.76                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11020                | 47.84               | -26.16                  | 74                          | 53.74                     | 40.1                          | 61.69                  | 15.11                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16530                | 45.06               | -23.14                  | 68.2                        | 46.84                     | 38.58                         | 59.72                  | 18.76                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |                                                                                             | 11100                | 46.91               | -27.09                  | 74                          | 52.78                     | 40.08                         | 61.69                  | 15.16                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16650                | 44.62               | -23.58                  | 68.2                        | 45.71                     | 38.87                         | 59.44                  | 18.86                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11100                | 46.65               | -27.35                  | 74                          | 52.52                     | 40.08                         | 61.69                  | 15.16                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16650                | 44.66               | -23.54                  | 68.2                        | 45.75                     | 38.87                         | 59.44                  | 18.86                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 134<br>5670MHz |                                                                                             | 11340                | 46.83               | -27.17                  | 74                          | 52.58                     | 40.03                         | 61.69                  | 15.33                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17010                | 46.67               | -21.53                  | 68.2                        | 45.67                     | 39.76                         | 58.58                  | 19.14                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11340                | 45.98               | -28.02                  | 74                          | 51.73                     | 40.03                         | 61.69                  | 15.33                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17010                | 46.26               | -21.94                  | 68.2                        | 45.26                     | 39.76                         | 58.58                  | 19.14                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## Emission below 1GHz

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

| WIFI                  | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |   |
|-----------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|---|
| Ant.                  |                                                                            |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |   |
| 1                     |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |   |
| 802.11n<br>HT20<br>LF |                                                                            | 31.08     | 21.56      | -18.44 | 40         | 29.51  | 23.7     | 32.51  | 0.82   | -      | -       | P     | H     |   |
|                       |                                                                            | 98.31     | 21.56      | -21.94 | 43.5       | 37.08  | 15.55    | 32.5   | 1.39   | -      | -       | P     | H     |   |
|                       |                                                                            | 266.52    | 19.51      | -26.49 | 46         | 30.31  | 19.41    | 32.46  | 2.09   | -      | -       | P     | H     |   |
|                       |                                                                            | 558.3     | 25.44      | -20.56 | 46         | 28.83  | 25.97    | 32.52  | 2.98   | -      | -       | P     | H     |   |
|                       |                                                                            | 799.1     | 30.01      | -15.99 | 46         | 30.38  | 28.12    | 32.34  | 3.53   | -      | -       | P     | H     |   |
|                       |                                                                            | 946.1     | 32.9       | -13.1  | 46         | 29.79  | 30.36    | 31.41  | 3.82   | 100    | 0       | P     | H     |   |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                       |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |   |
|                       |                                                                            | 47.55     | 30.74      | -9.26  | 40         | 46.9   | 15.31    | 32.49  | 1.02   | 100    | 0       | P     | V     |   |
|                       |                                                                            | 75.9      | 26.42      | -13.58 | 40         | 45.1   | 12.56    | 32.5   | 1.22   | -      | -       | P     | V     |   |
|                       |                                                                            | 159.06    | 25.54      | -17.96 | 43.5       | 39.94  | 16.32    | 32.53  | 1.61   | -      | -       | P     | V     |   |
|                       |                                                                            | 464.5     | 23.95      | -22.05 | 46         | 30.28  | 23.22    | 32.4   | 2.77   | -      | -       | P     | V     |   |
|                       |                                                                            | 736.1     | 29.35      | -16.65 | 46         | 30.63  | 27.56    | 32.5   | 3.4    | -      | -       | P     | V     |   |
|                       |                                                                            | 923       | 32.16      | -13.84 | 46         | 30.21  | 29.45    | 31.61  | 3.79   | -      | -       | 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  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1       |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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



## Appendix D. Radiated Spurious Emission

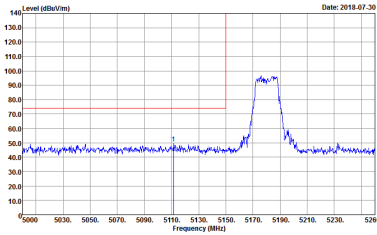
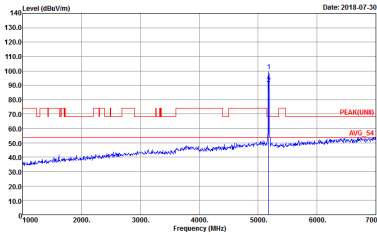
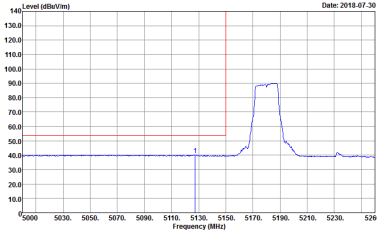
|                 |                                |                     |         |
|-----------------|--------------------------------|---------------------|---------|
| Test Engineer : | Hao Hsu, Chuan Zhu, and Ken Wu | Temperature :       | 21~26°C |
|                 |                                | Relative Humidity : | 52~57%  |

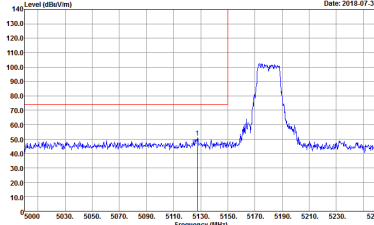
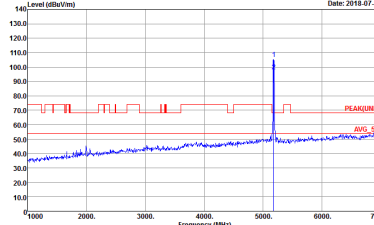
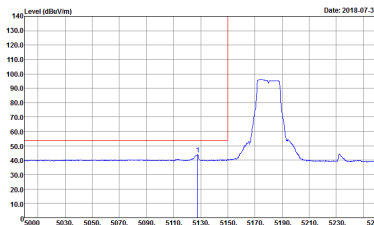
### Note symbol

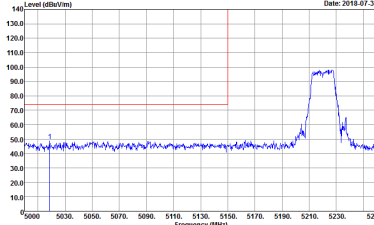
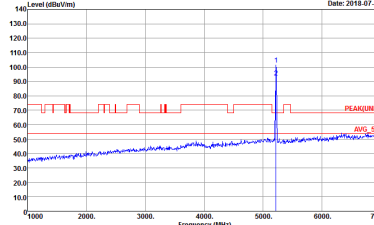
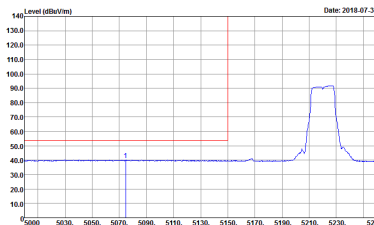
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



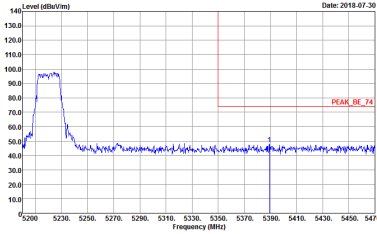
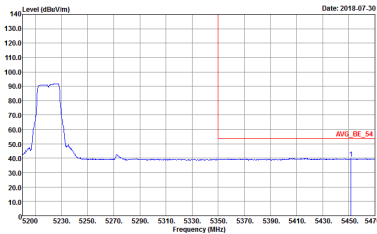
Band 1 - 5150~5250MHz  
WIFI 802.11a (Band Edge @ 3m)

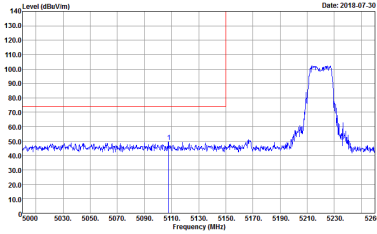
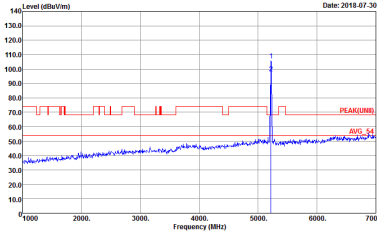
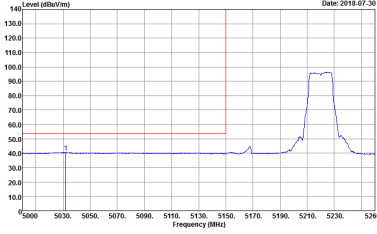
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                       |                                                                                                                                                                                                            |
| 1    | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> | Left blank                                                                                                                                                                                                 |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>   | Left blank                                                                                                                                                                                                                                                                                                            |

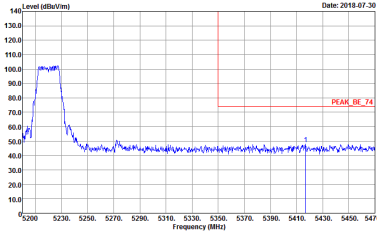
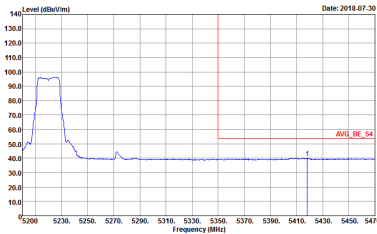
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                             |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>    | Left blank                                                                                                                                                                                                                                                                                                              |



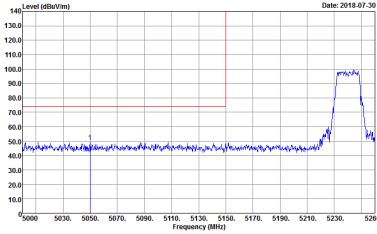
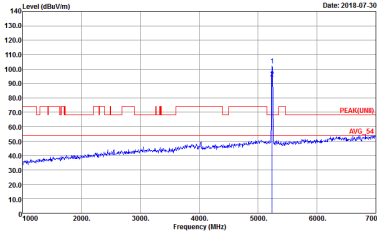
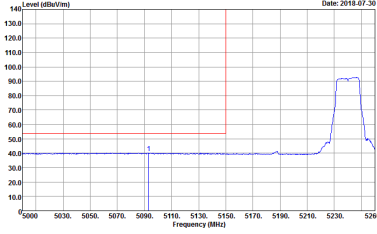
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> | Left blank  |
| Avg. |  <p>Site : 03CH11-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 : 870417</p>   | Left blank  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                            |

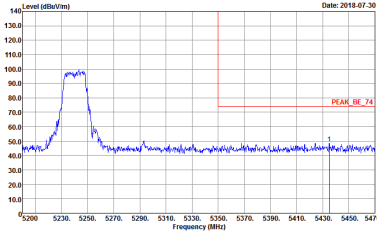
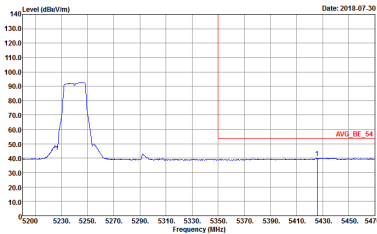


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |

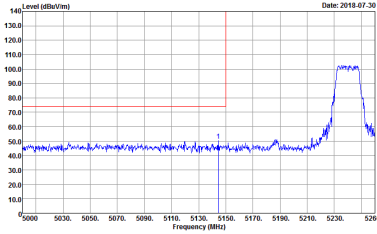
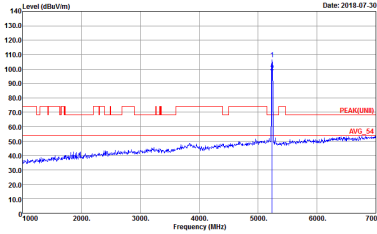
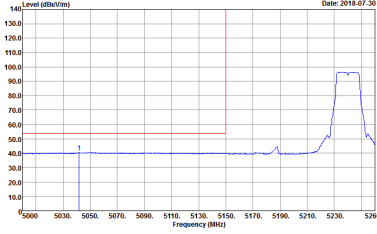


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-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 : 870417</p>   | Left blank                                                                                                                                                                                                                                              |

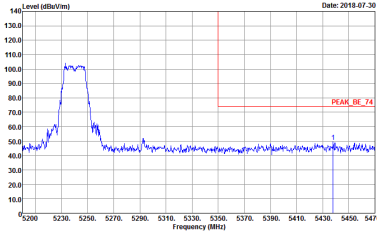
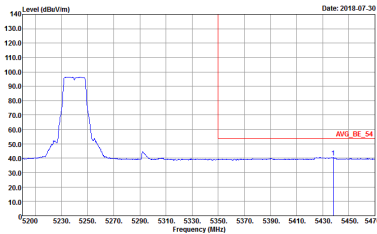


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |



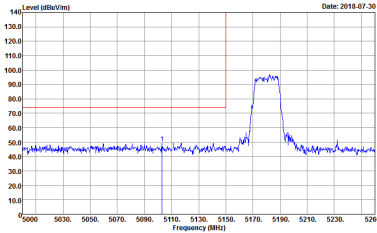
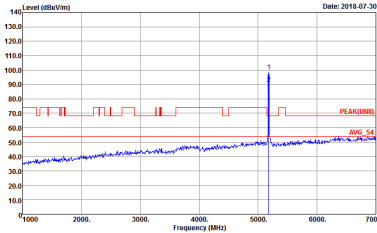
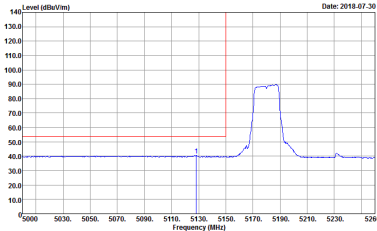
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                            |

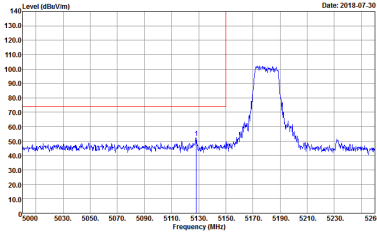
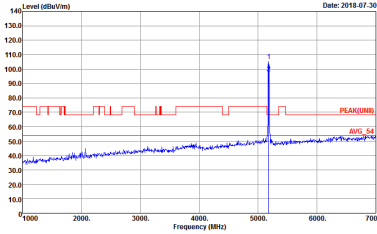
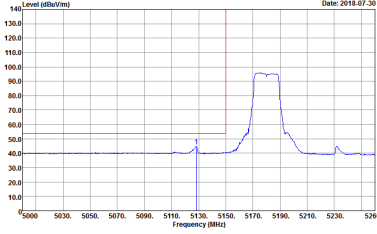


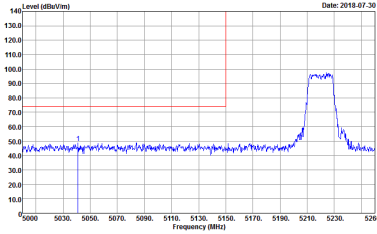
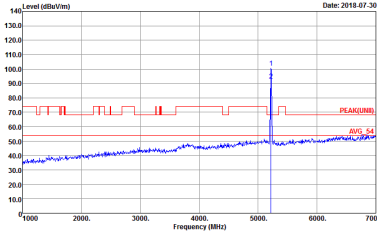
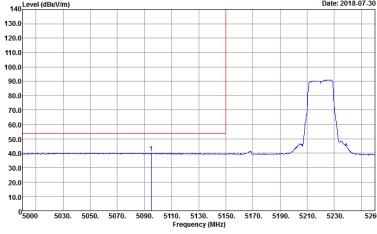
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |



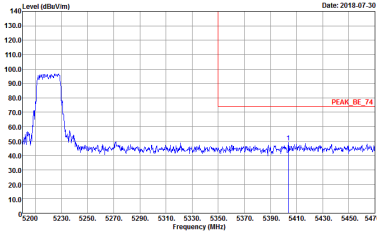
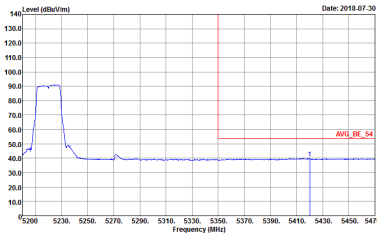
Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

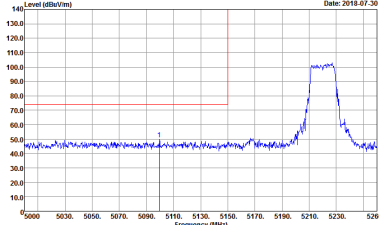
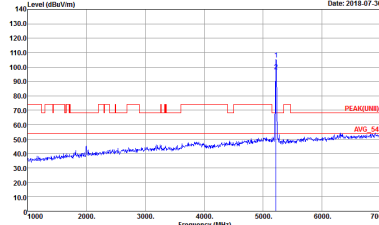
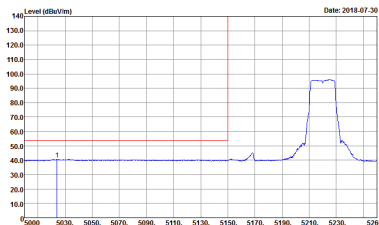
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                            |                                                                                                                                                                                                                                                |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                |
| 1    | Horizontal                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                     |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>   | Left blank                                                                                                                                                                                                                                                                                                            |

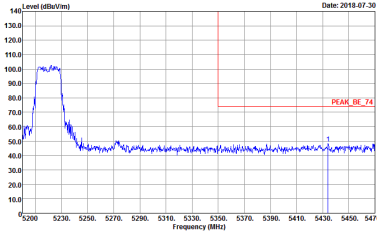
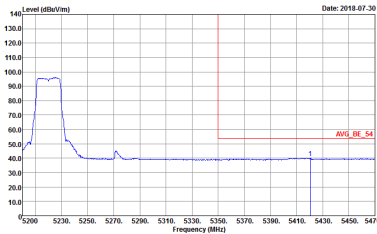
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>    | Left blank                                                                                                                                                                                                                                              |

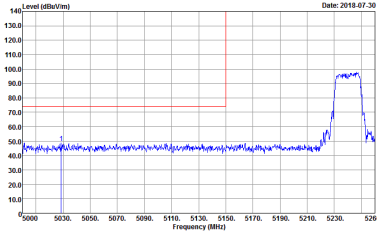
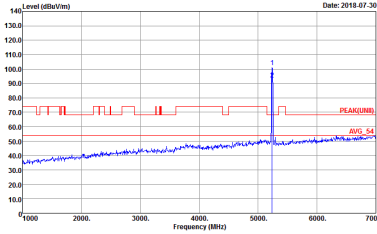
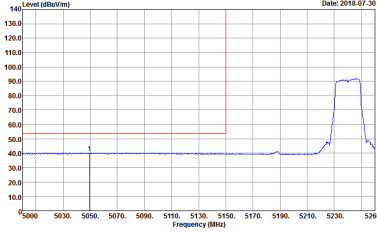


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |

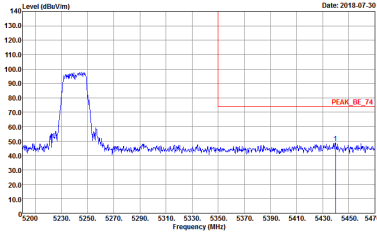
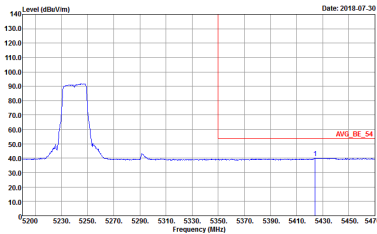
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>   | Left blank                                                                                                                                                                                                                                                                                                            |



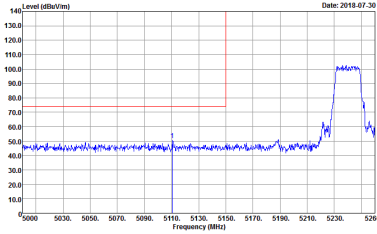
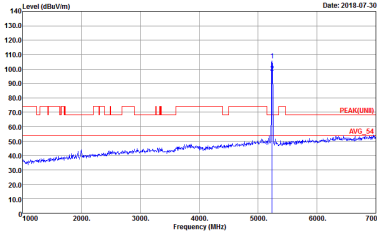
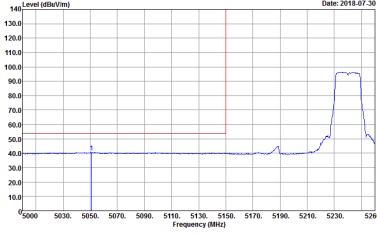
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>    | Left blank                                                                                                                                                                                                                                              |

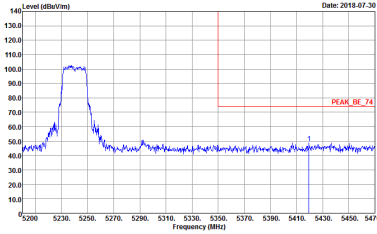
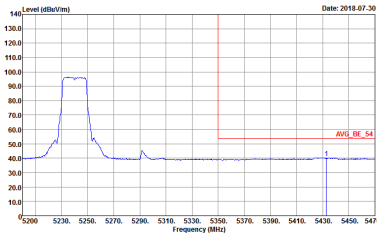


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                          |             |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>    | Left blank  |



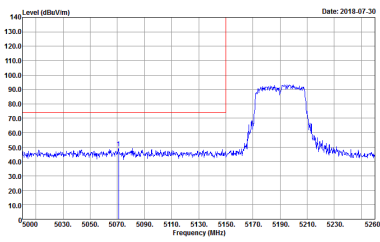
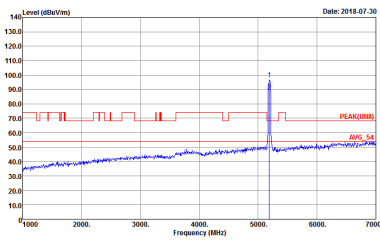
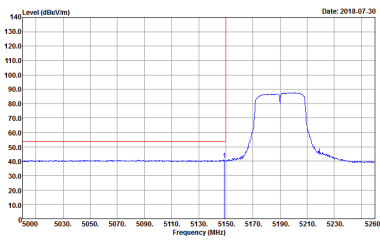
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                      |



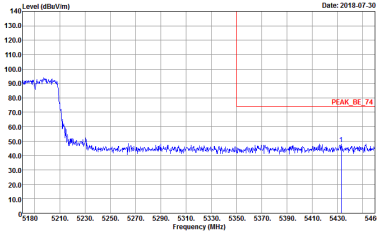
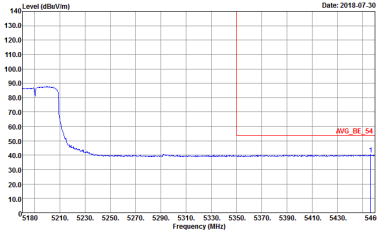
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |



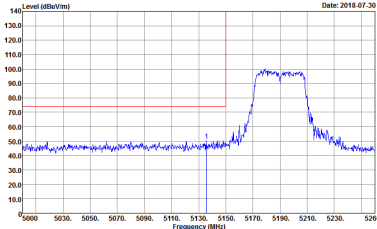
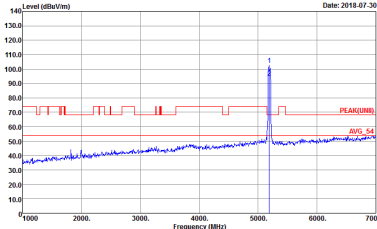
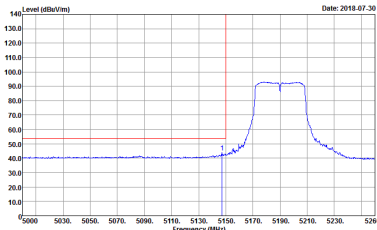
Band 1 5150~5250MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                              |                                                                                                                                                                                                            |
| 1    | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> | Left blank                                                                                                                                                                                                 |

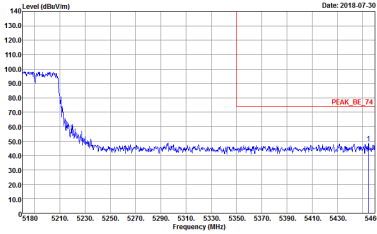
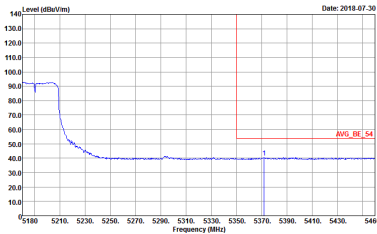


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |

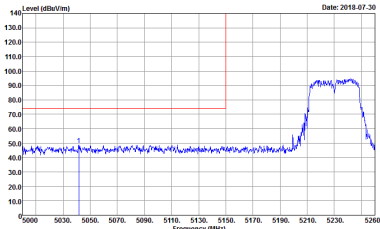
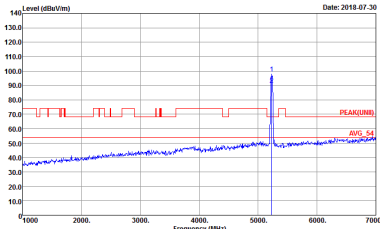
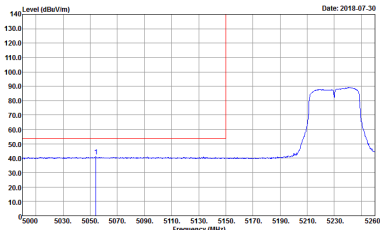


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                      |

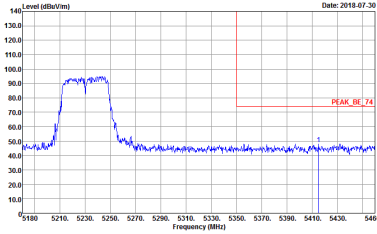
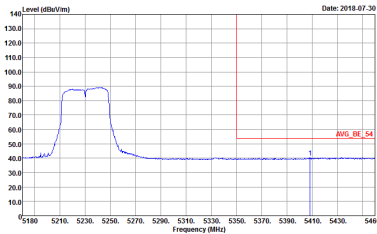


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                              |

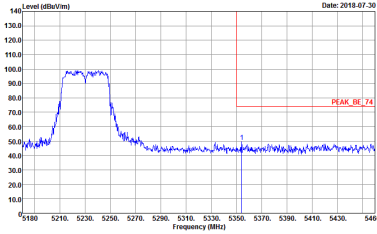
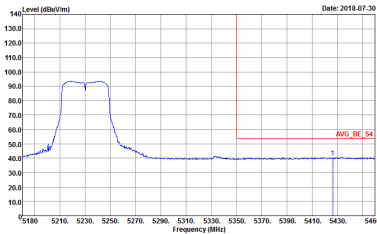


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |



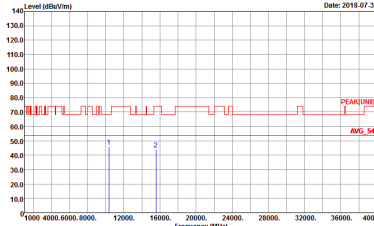
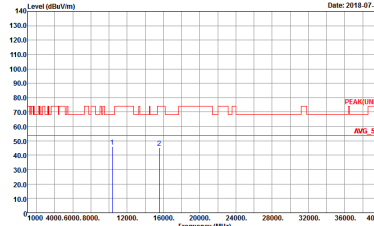
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                 |                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                      |                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                           | Fundamental                                                                                                                                                        |
| Peak | <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> | <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. | <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>     | Left blank                                                                                                                                                         |



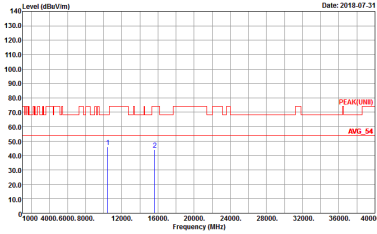
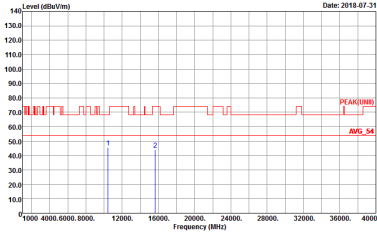
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |



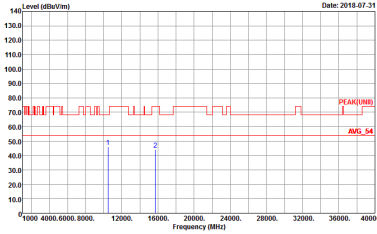
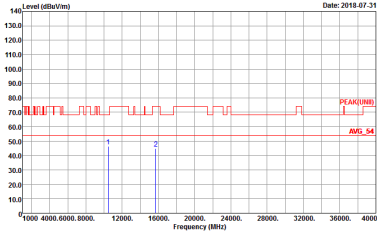
Band 1 - 5150~5250MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH36 5180MHz                                                                                                                                                                                      |                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |



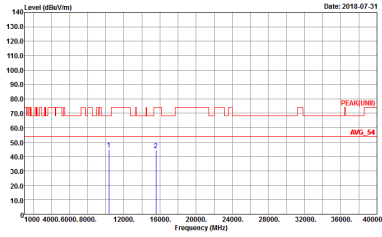
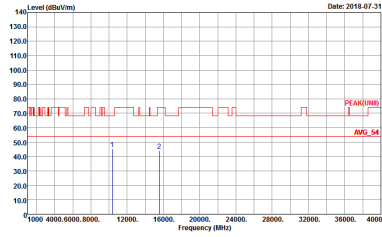
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                                                |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



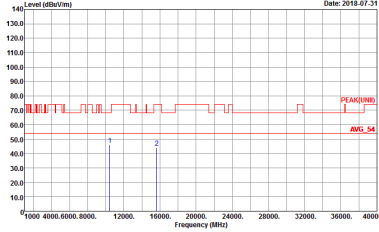
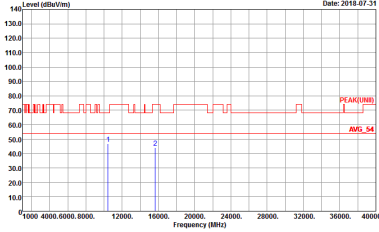
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                                                |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



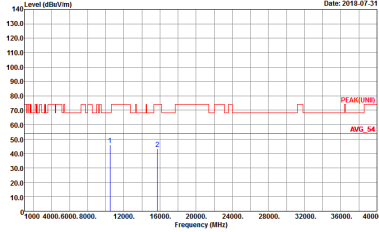
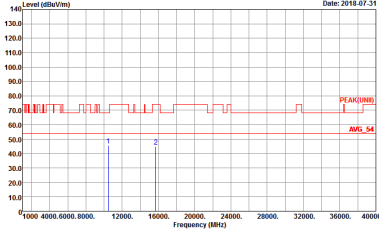
Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                 |                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |



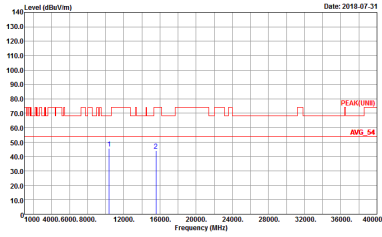
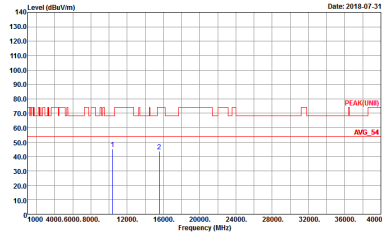
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH44 5220MHz                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



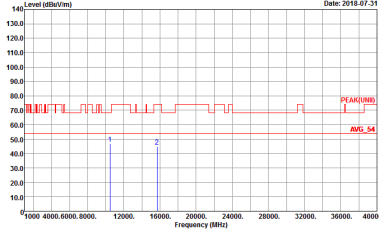
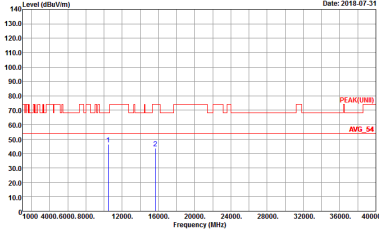
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH48 5240MHz                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



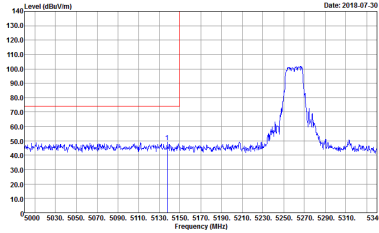
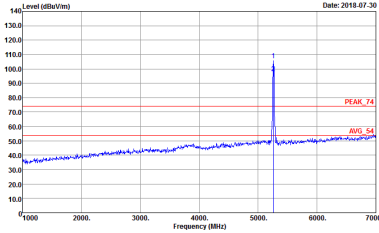
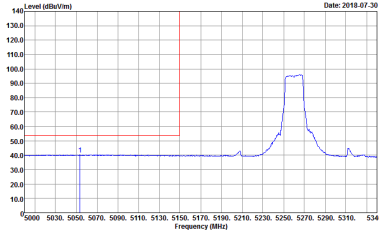
Band 1 5150~5250MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH38 5190MHz                                                                                                                                                                                 |                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |

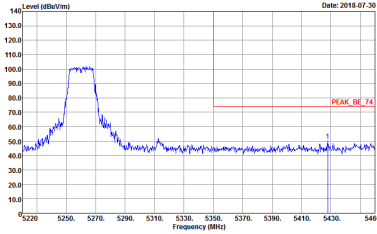
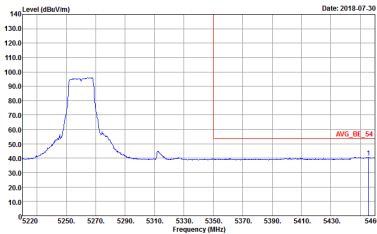


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                  |                                                                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH46 5230MHz                                                                                                                                                                                          |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNB) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNB) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                    |                                                                                                                                                                                                                   |

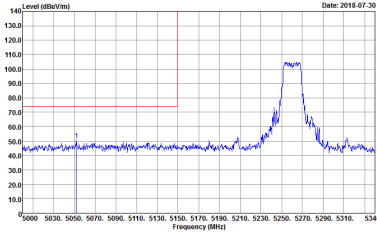
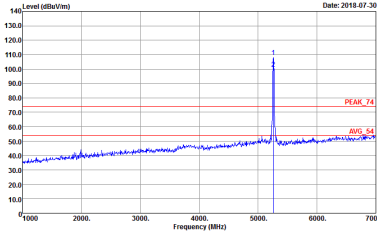
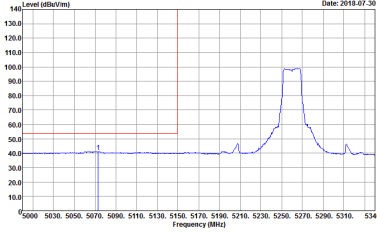
**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                            |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH52 5260MHz - L                                                                                                                                                                                      |                                                                                                                                                                                                            |
| 1           | Horizontal                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                |
| <b>Peak</b> |  <p>Site : 03CH11-HY<br/> Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 870417</p>  |  <p>Site : 03CH11-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 870417</p> |
| <b>Avg.</b> |  <p>Site : 03CH11-HY<br/> Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 870417</p> | <b>Left blank</b>                                                                                                                                                                                          |

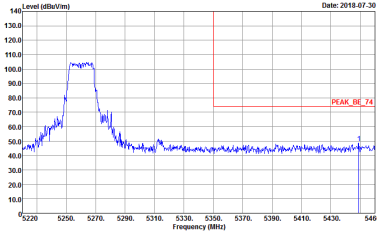
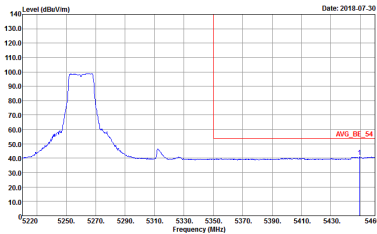


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |

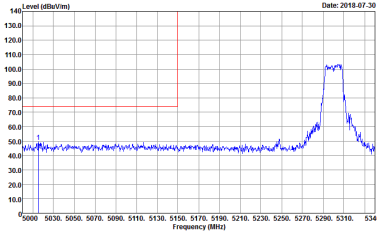
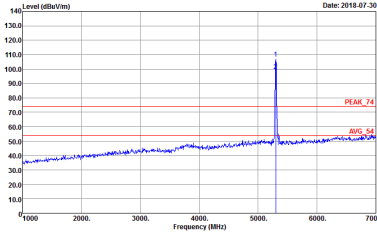
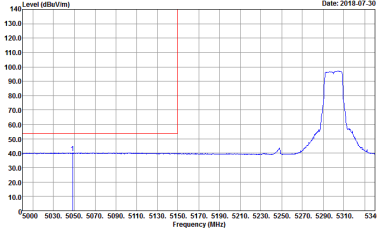


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                   |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |

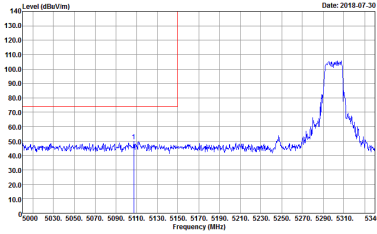
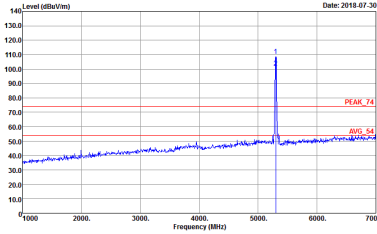
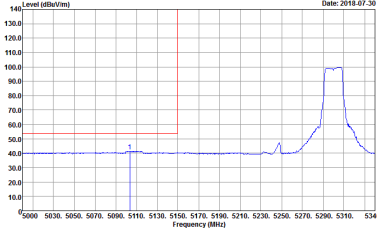


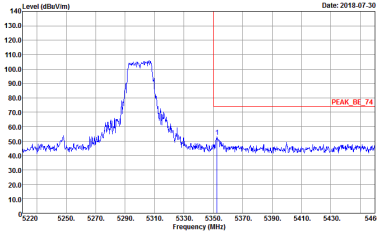
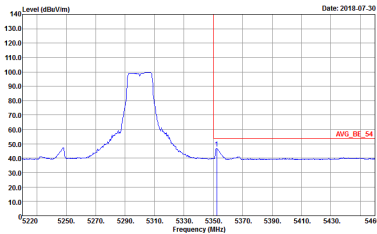
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-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 : 870417</p>   | Left blank                                                                                                                                                                                                                                           |

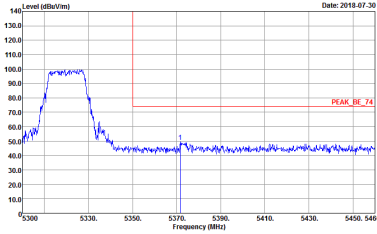
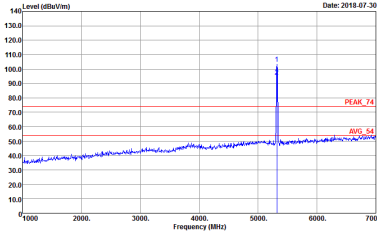
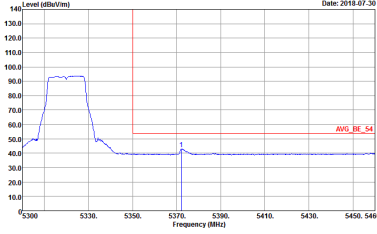


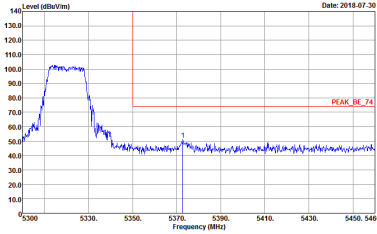
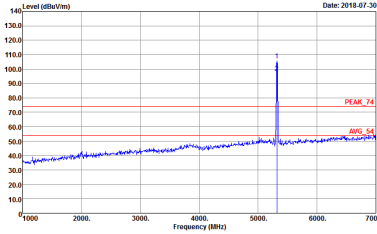
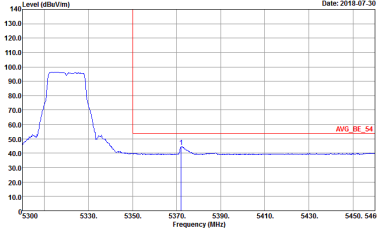
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                              |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                        |             |
| 1    | Horizontal                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>      | Left blank  |



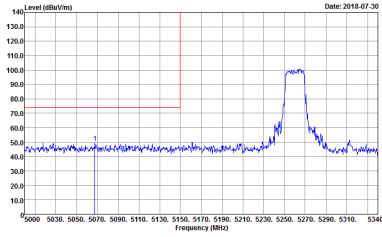
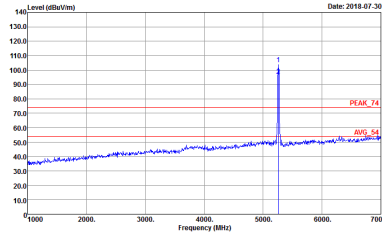
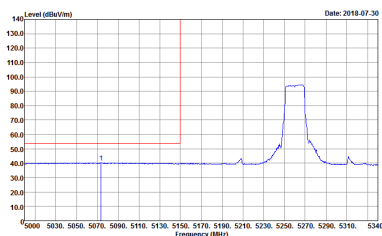
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                   |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                                                                             |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Fundamental |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>   | Left blank  |

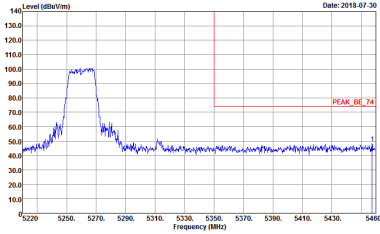
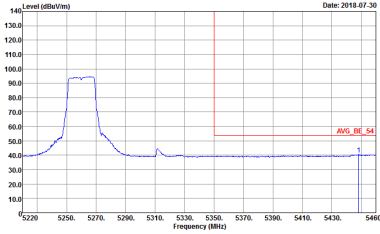
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>    | Left blank                                                                                                                                                                                                                                           |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                                        |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>    | Left blank                                                                                                                                                                                                                                                                                                         |

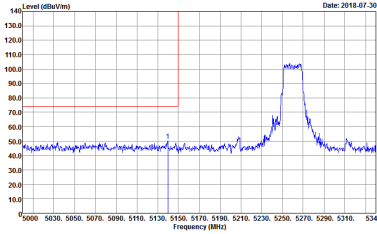
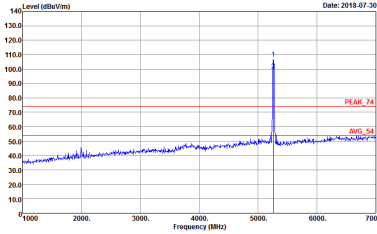
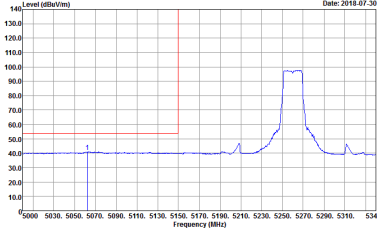
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                  |
| 1           | Horizontal                                                                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                                                                      |
| <b>Peak</b> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 870417         </p>  |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 870417         </p> |
| <b>Avg.</b> |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 870417         </p> | <b>Left blank</b>                                                                                                                                                                                                                                                                                |

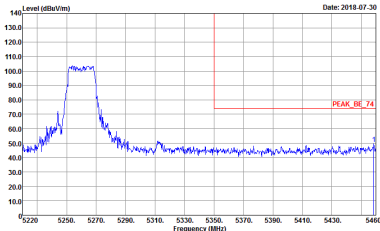
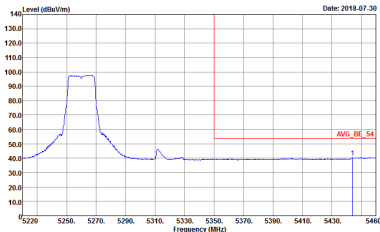


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:3000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |

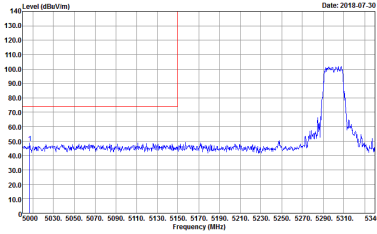
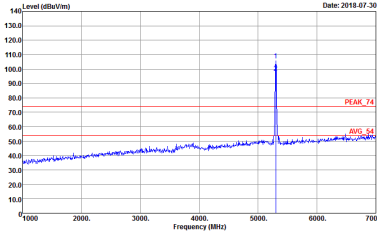
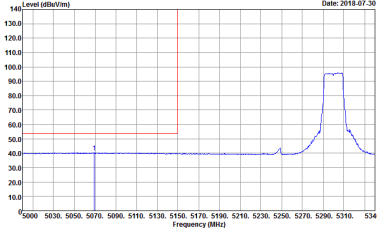


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                         |

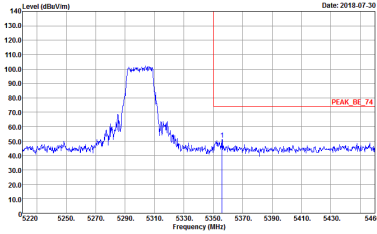
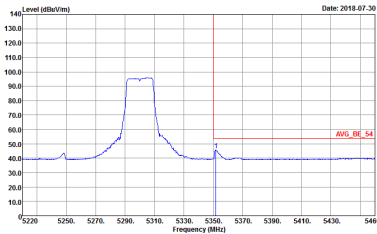


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |

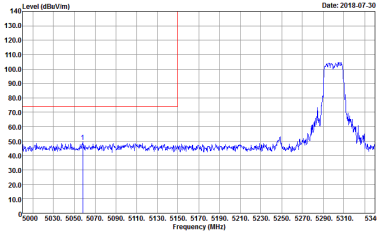
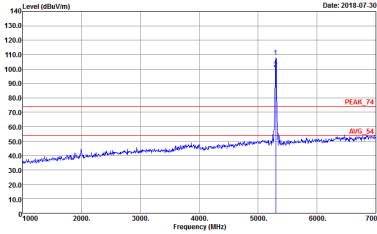
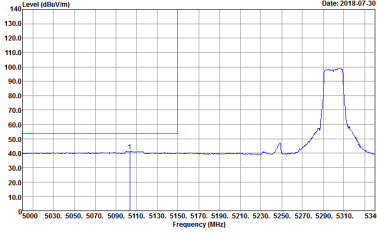


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-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 : 870417</p>   | Left blank                                                                                                                                                                                                                                           |

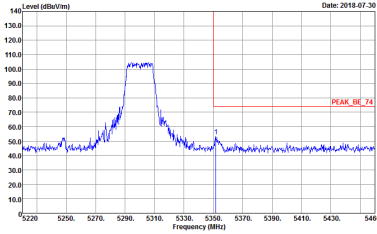
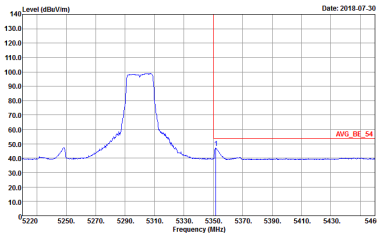


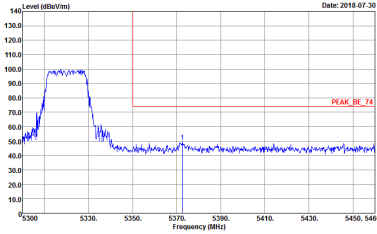
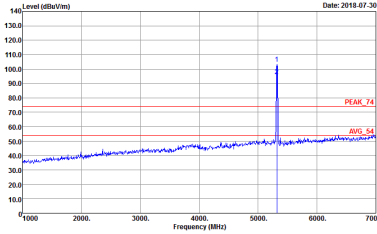
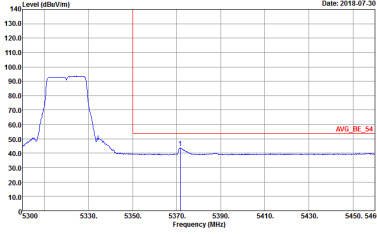
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                               |            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                    |            |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Vertical   |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000kHz VBW:10000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank |



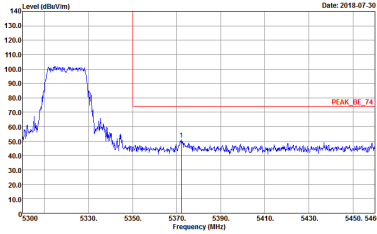
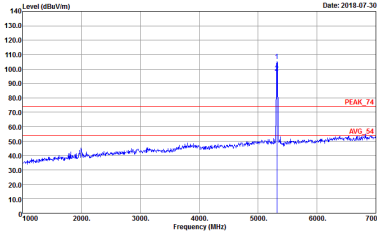
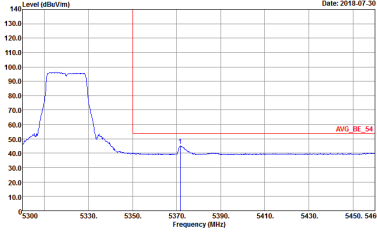
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                              |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                   |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank  |

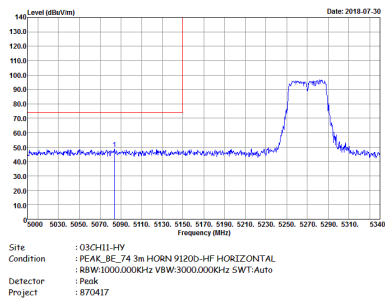
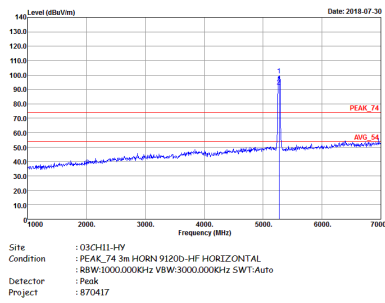
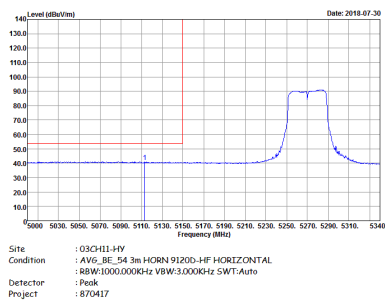
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
|      |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>    | Left blank                                                                                                                                                                                                                                           |



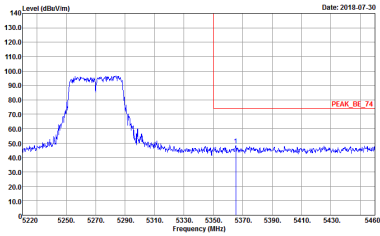
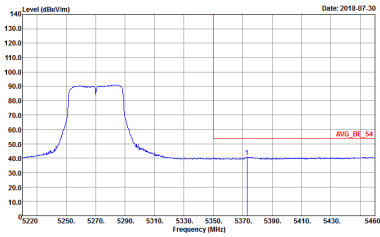
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>    | Left blank                                                                                                                                                                                                                                         |

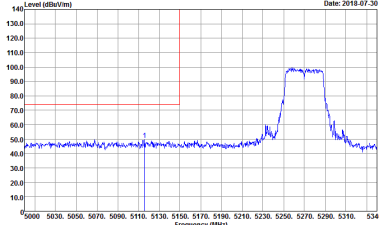
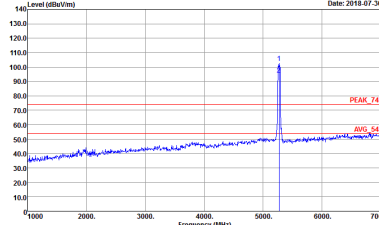
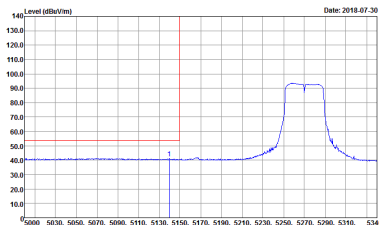


Band 2 5250~5350MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

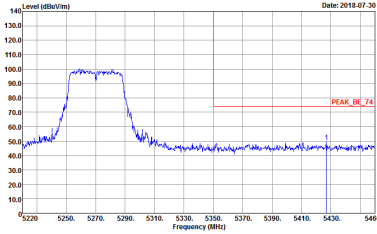
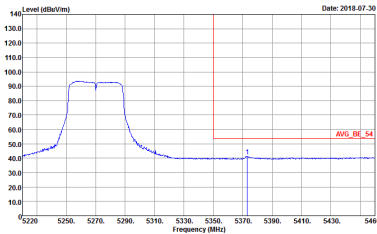
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                         |                                                                                                                                                                                                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                 |                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> | Left blank                                                                                                                                                                                              |



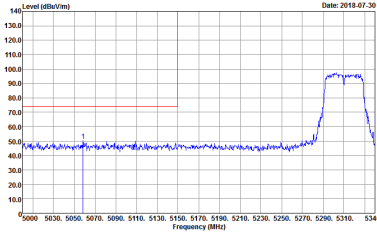
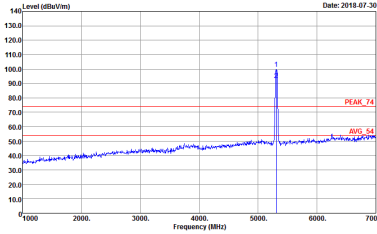
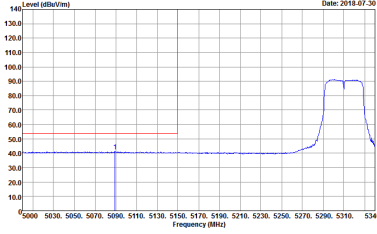
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                                       |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000kHz VBW:3.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>   | Left blank                                                                                                                                                                                                                                                                                                         |

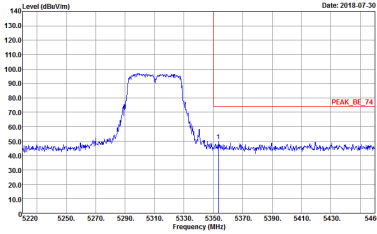
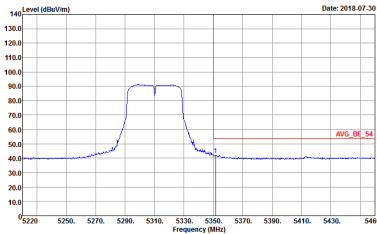


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                                     |            |
| 1    | Vertical                                                                                                                                                                                                                                                       | Vertical   |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank |

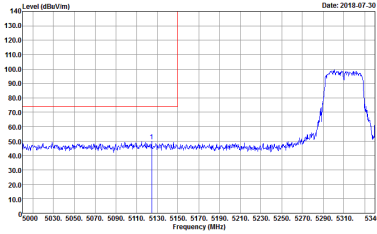
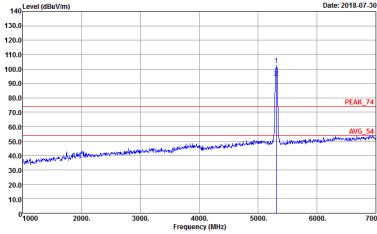
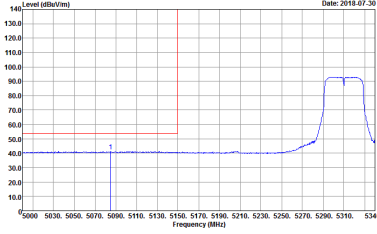


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                           |

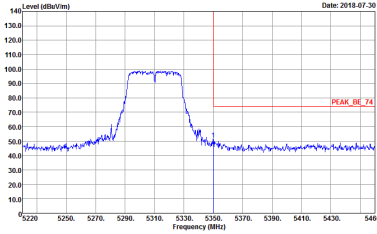
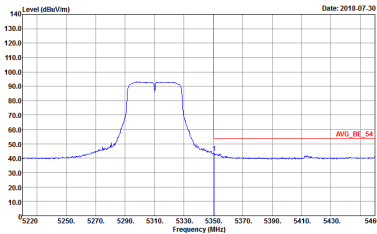


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                       |             |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |



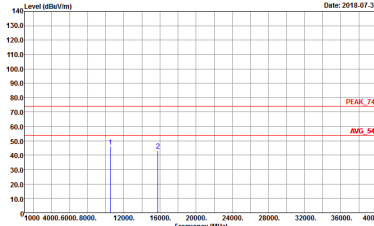
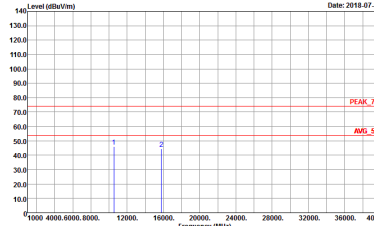
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                         |



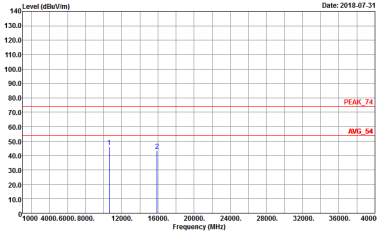
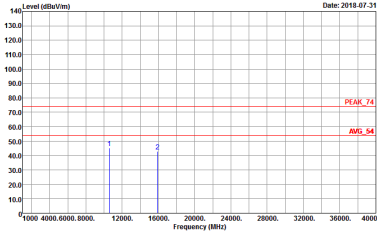
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank  |



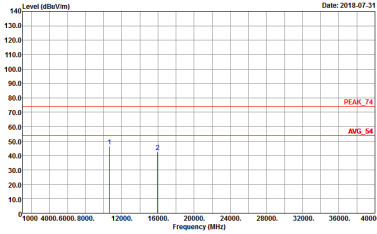
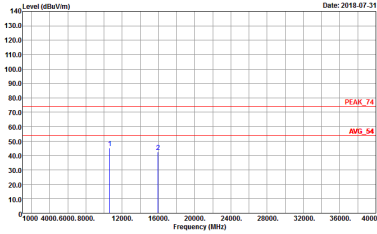
**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                       | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                       |                                                                                                                                                                                                        |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                        | 802.11a CH52 5260MHz                                                                                                                                                                                    |                                                                                                                                                                                                        |
| 1                          | Horizontal                                                                                                                                                                                              | Vertical                                                                                                                                                                                               |
| <b>Peak</b><br><b>Avg.</b> |  <p>Site : 03CH11-4FY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-4FY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |



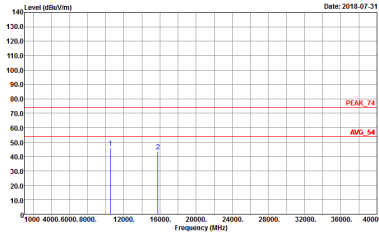
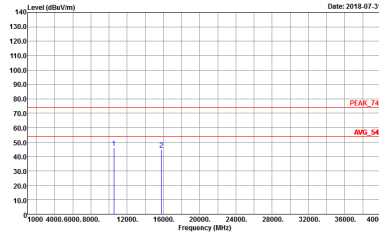
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
| ANT          | 802.11a CH60 5300MHz                                                                                                                                                                                             |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |



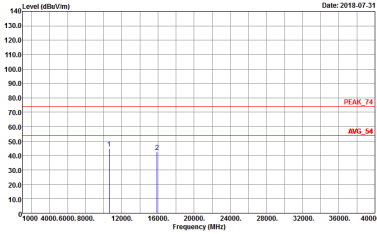
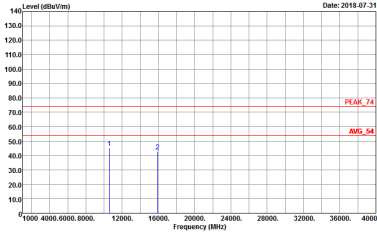
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH64 5320MHz                                                                                                                                                                                             |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |



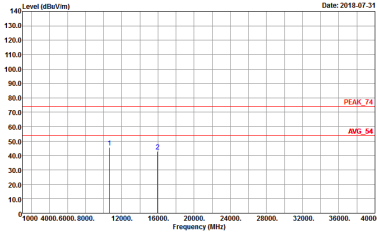
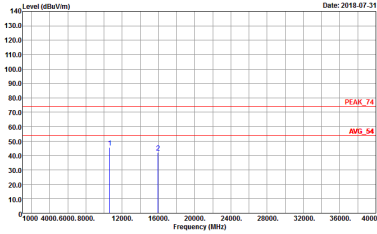
Band 2 5250~5350MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH52 5260MHz                                                                                                                                                                              |                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |



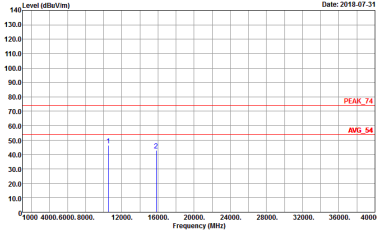
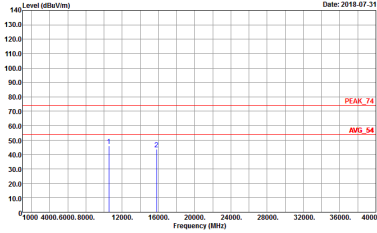
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH60 5300MHz                                                                                                                                                                                        |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |



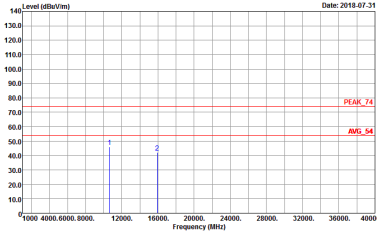
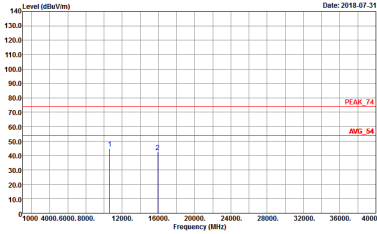
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                        |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |



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

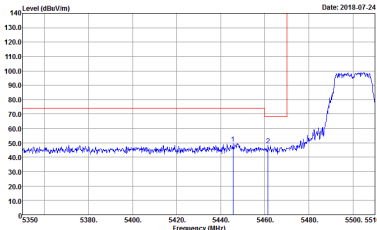
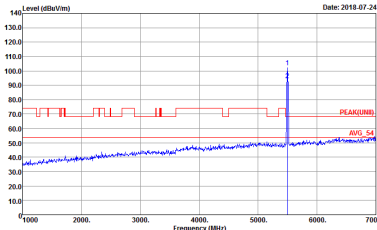
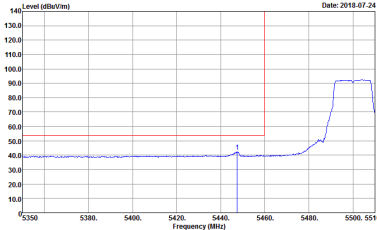
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH54 5270                                                                                                                                                                                 |                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |

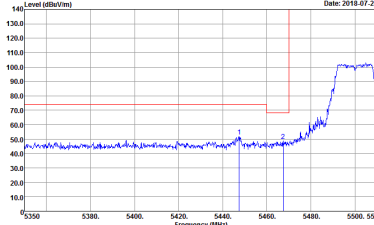
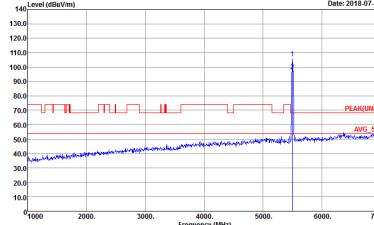


| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH62 5310                                                                                                                                                                                           |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |

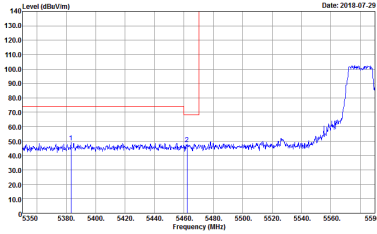
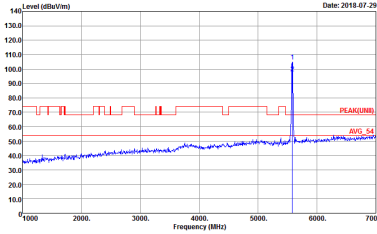
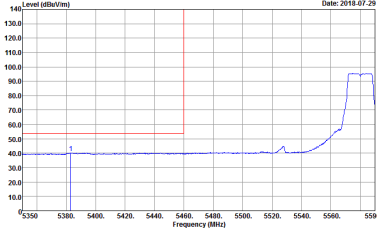


Band 3 - 5470~5725MHz  
WIFI 802.11a (Band Edge @ 3m)

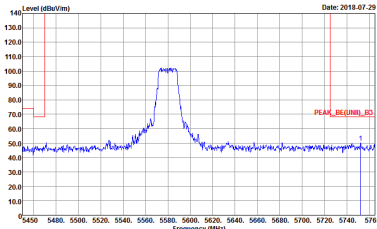
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                |                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                             |                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> | Left blank                                                                                                                                                                                                  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>    | Left blank                                                                                                                                                                                                                                                                                                            |

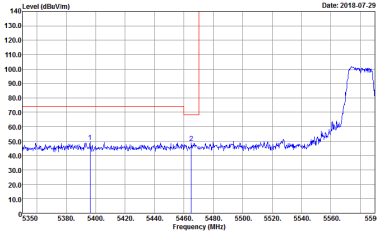
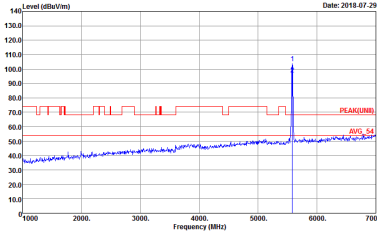
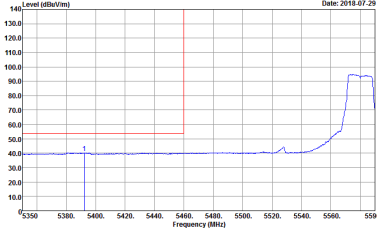


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                   |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                        |

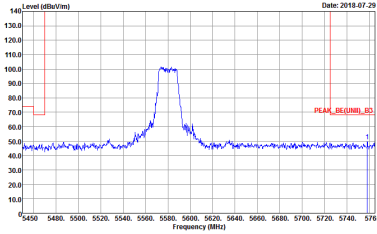


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                              |             |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<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 : 870417</p></div> | Left blank  |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                            |

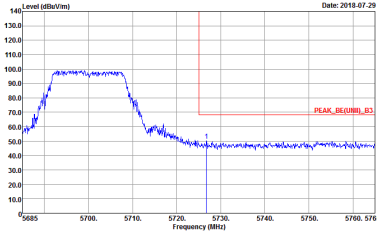
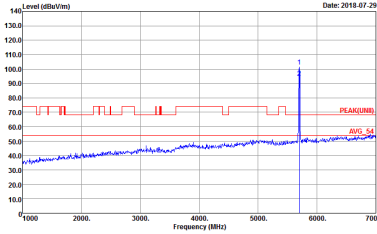


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                            |             |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |

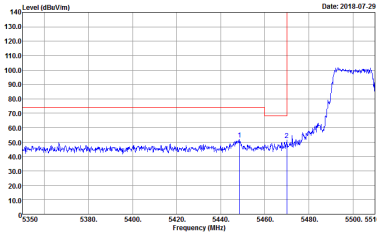
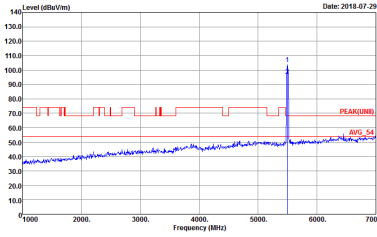
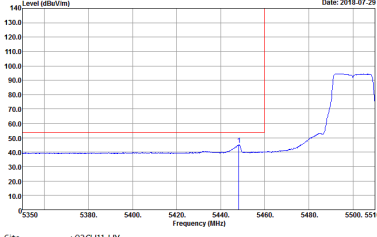


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                    |                                                                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                 |                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                            | Fundamental                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |

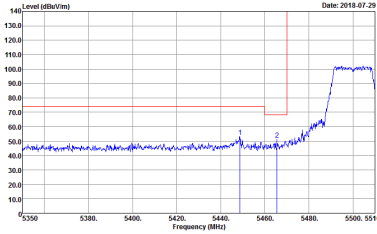
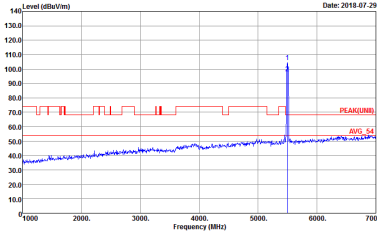
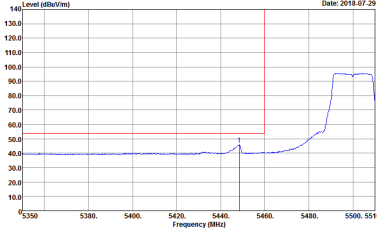


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |

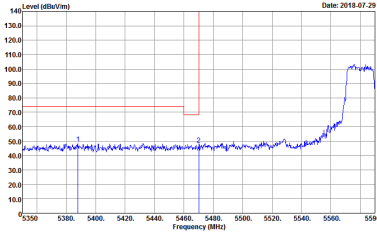
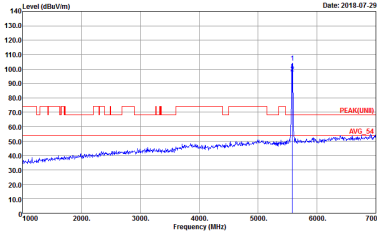
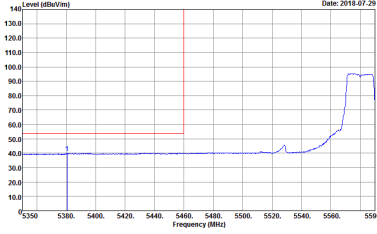
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                             |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                             |
| 1           | Horizontal                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                 |
| <b>Peak</b> |  <p>Site : 03CH11-HY<br/> Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 870417</p> |  <p>Site : 03CH11-HY<br/> Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 870417</p> |
| <b>Avg.</b> |  <p>Site : 03CH11-HY<br/> Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/> RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 870417</p>    | <b>Left blank</b>                                                                                                                                                                                                                                           |

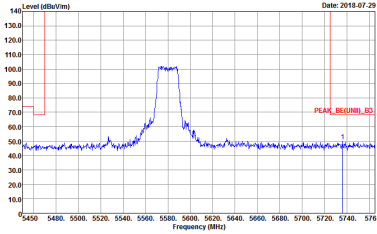


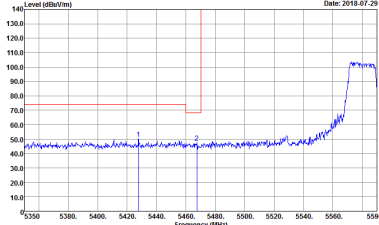
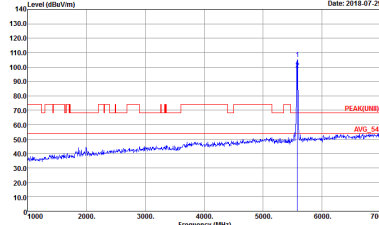
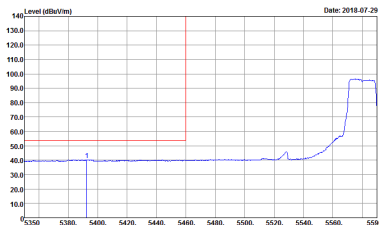
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>    | Left blank                                                                                                                                                                                                                                                      |



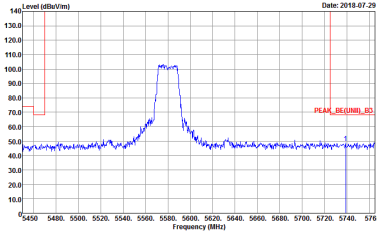
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>    | Left blank                                                                                                                                                                                                                                              |



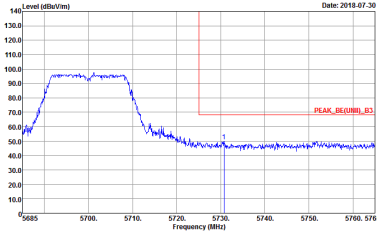
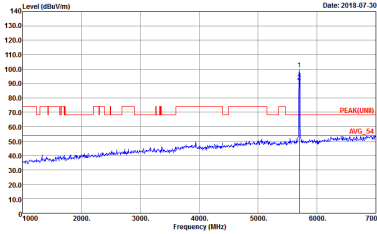
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<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 : 870417</p></div> | Left blank  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                         |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                             |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>   | Left blank                                                                                                                                                                                                                                                                                                              |

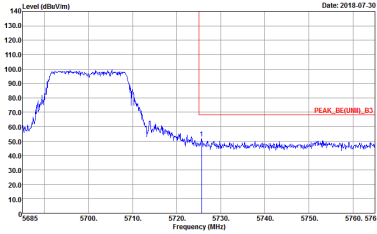
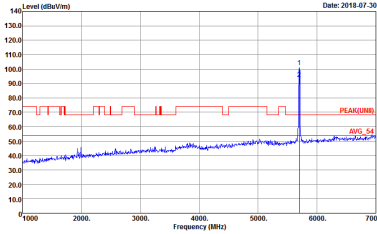


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |



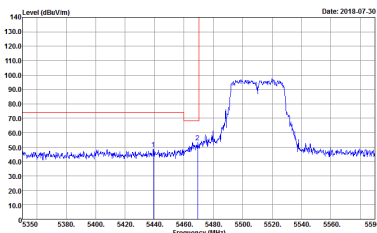
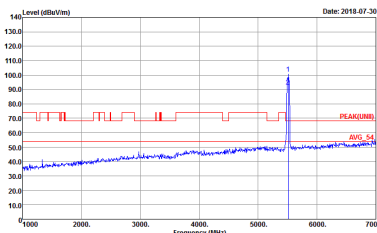
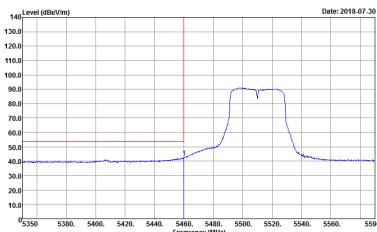
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                   |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                   |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |



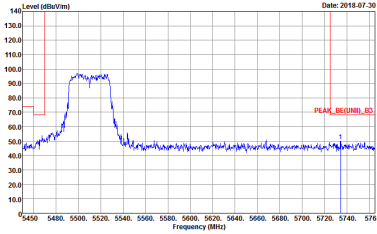
| WIFI  | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                      |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT   | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                      |
| 1     | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                          |
| Peak. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_F(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |



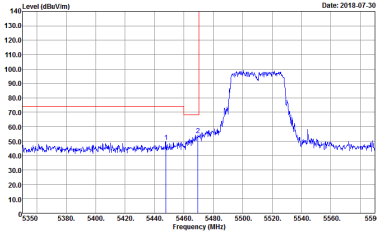
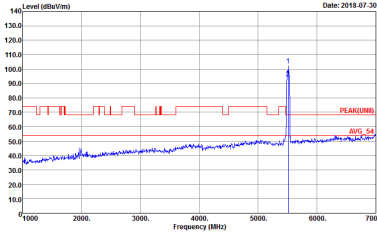
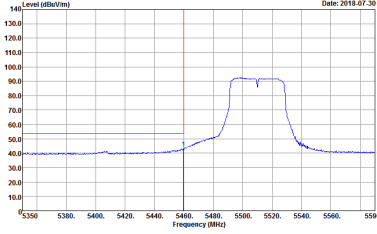
Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                |
| 1    | Horizontal                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 870417</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 870417</p> | Left blank                                                                                                                                                                                                                                     |

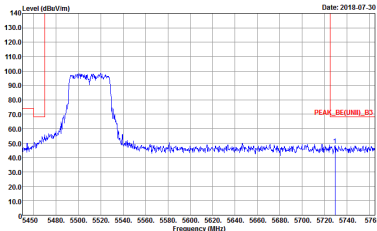


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<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 : 870417</p></div> | Left blank  |

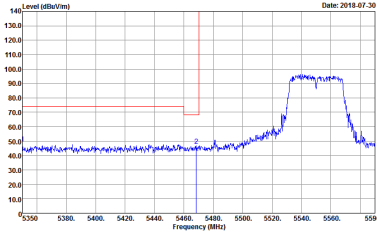
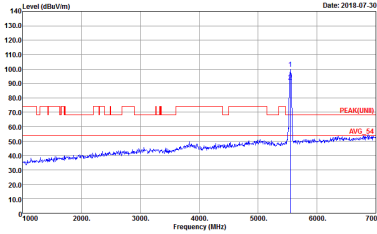
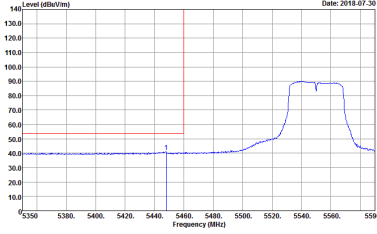


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                      |

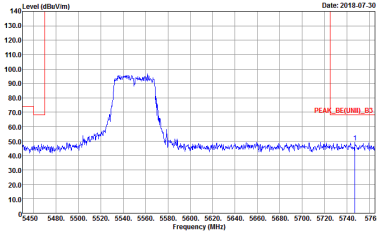


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |

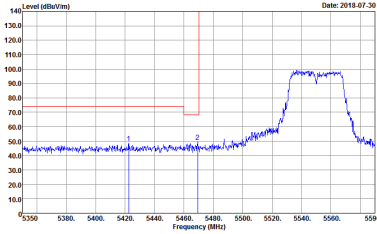
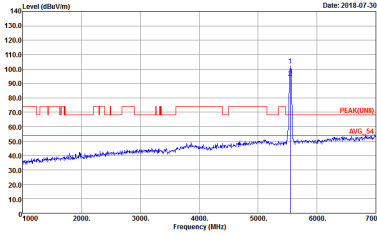
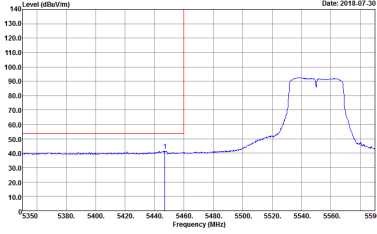


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                   |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                   |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                        |

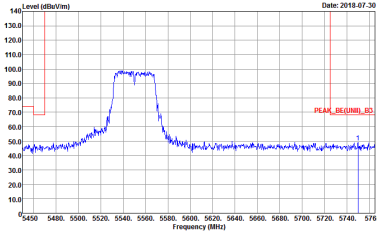


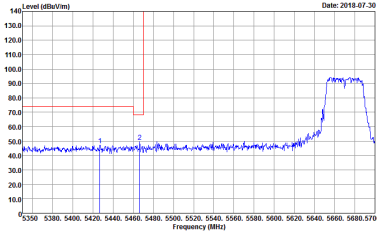
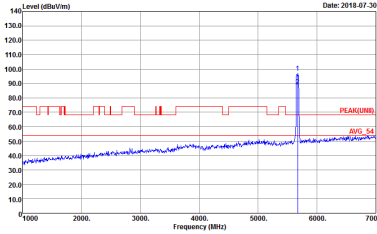
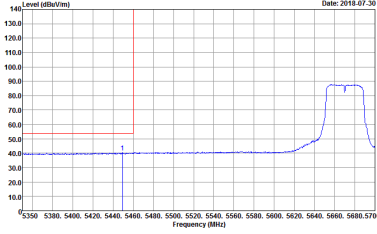
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<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 : 870417</p></div> | Left blank  |



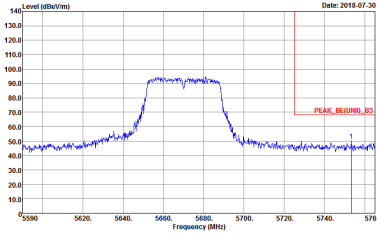
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div>   | Left blank                                                                                                                                                                                                                                                      |

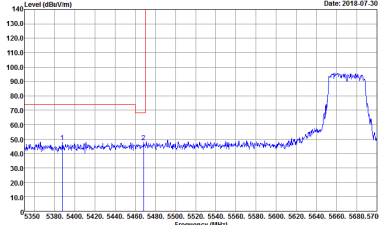
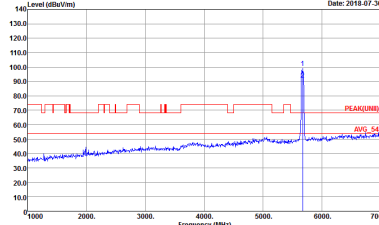
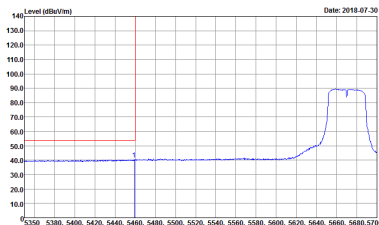


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |

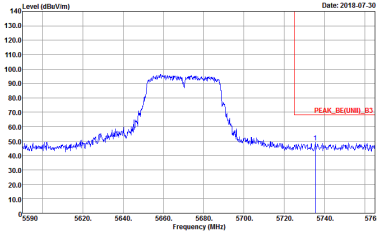
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p>   | Left blank                                                                                                                                                                                                                                              |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                     |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<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 : 870417</p></div> | Left blank  |

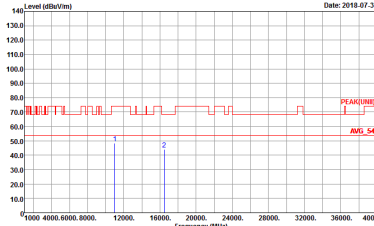
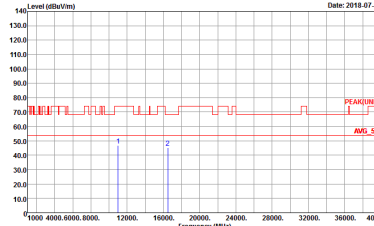
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 870417         </p>   | Left blank                                                                                                                                                                                                                                                                                                            |



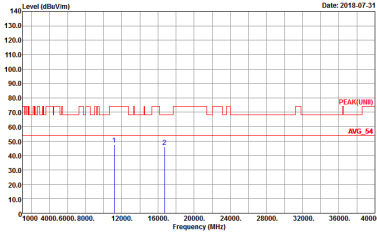
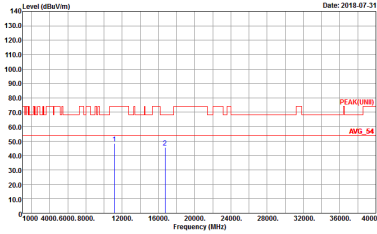
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 09CH11-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 870417</p></div> | Left blank  |



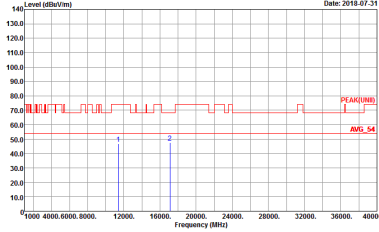
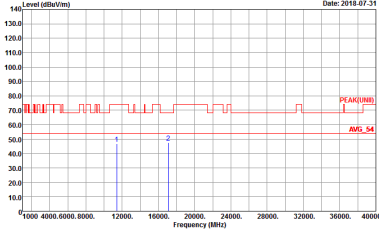
Band 3 - 5470~5725MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH100 5500MHz                                                                                                                                                                                     |                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |



| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH116 5580MHz                                                                                                                                                                                               |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



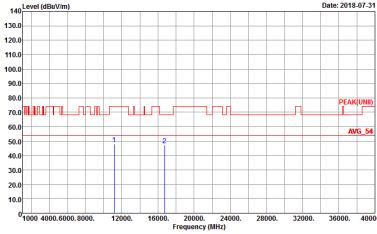
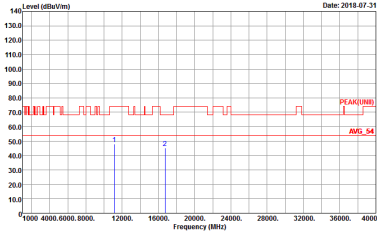
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH140 5700MHz                                                                                                                                                                                               |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



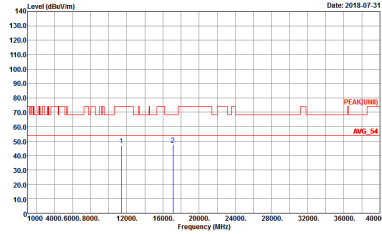
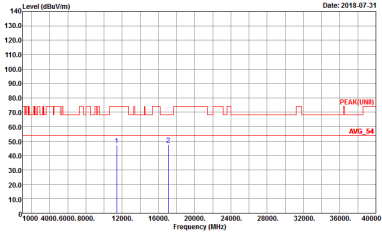
Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                       |                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH100 5500MHz                                                                                              |                                                                                                                       |
| 1            | Horizontal                                                                                                              | Vertical                                                                                                              |
| Peak<br>Avg. | <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> | <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |



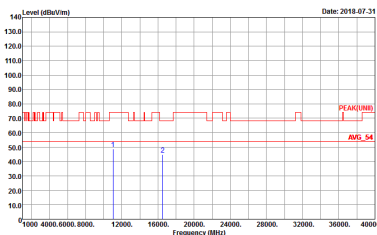
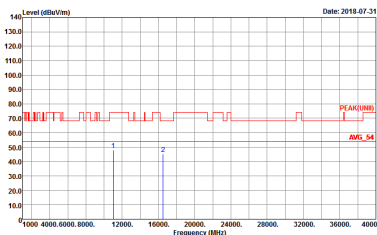
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                  |                                                                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH116 5580MHz                                                                                                                                                                                         |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNB) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNB) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                    |                                                                                                                                                                                                                   |



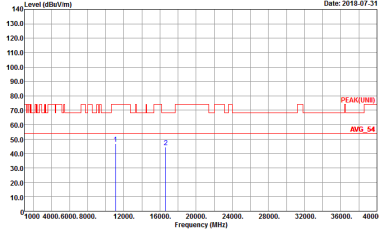
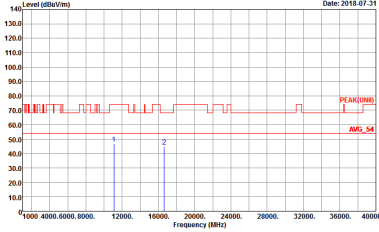
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
| ANT          | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                          |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |



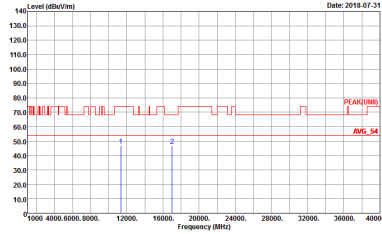
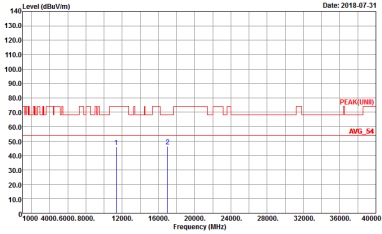
Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH102 5510MHz                                                                                                                                                                                |                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p> |

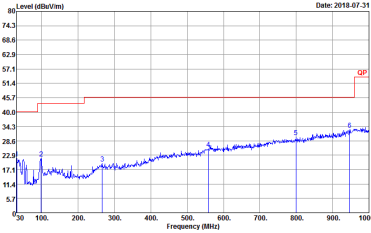
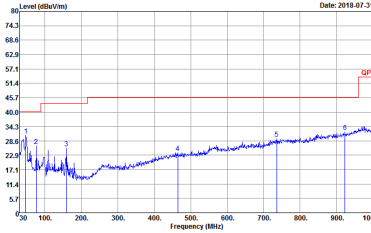


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH110 5550MHz                                                                                                                                                                                          |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH134 5670MHz                                                                                                                                                                                          |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 870417</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNED) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 870417</p></div> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |

**Emission below 1GHz**  
**5GHz WIFI 802.11n HT20 (LF)**

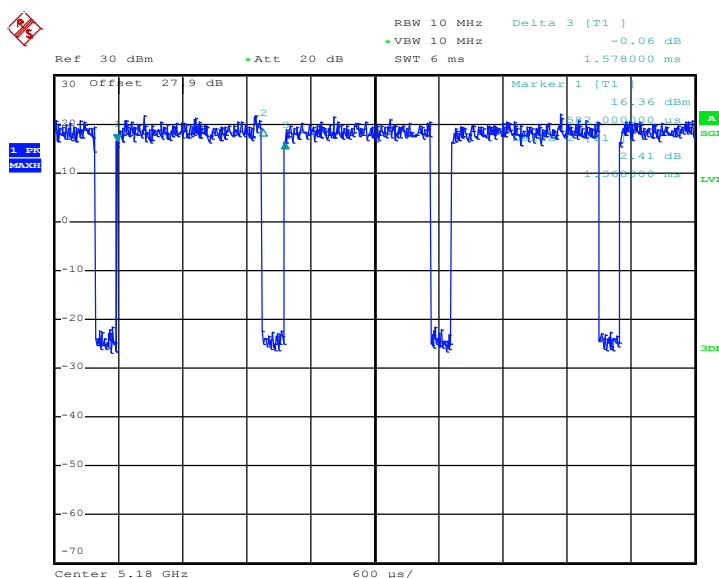
| WIFI                 | 5GHz WIFI                                                                                                                                                                                                   |                                                                                                                                                                                                            |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11n HT20 LF                                                                                                                                                                                             |                                                                                                                                                                                                            |
| 1                    | Horizontal                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                   |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH11-4FY<br/> Condition : QP 3m BT-LOG 6111D-LF_ETC HORIZONTAL<br/> Detector : Peak<br/> Project : 870417</p> |  <p>Site : 03CH11-4FY<br/> Condition : QP 3m BT-LOG 6111D-LF_ETC VERTICAL<br/> Detector : Peak<br/> Project : 870417</p> |
|                      |                                                                                                                                                                                                             |                                                                                                                                                                                                            |



## Appendix E. Duty Cycle Plots

| Band              | Duty Cycle(%) | T(us)   | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|-------------------|---------------|---------|----------|-------------|-----------------|
| 802.11a           | 86.69         | 1368.00 | 0.73     | 1kHz        | 0.62            |
| 5GHz 802.11n HT20 | 86.49         | 1280.00 | 0.78     | 1kHz        | 0.63            |
| 5GHz 802.11n HT40 | 85.37         | 630.00  | 1.59     | 3kHz        | 0.69            |

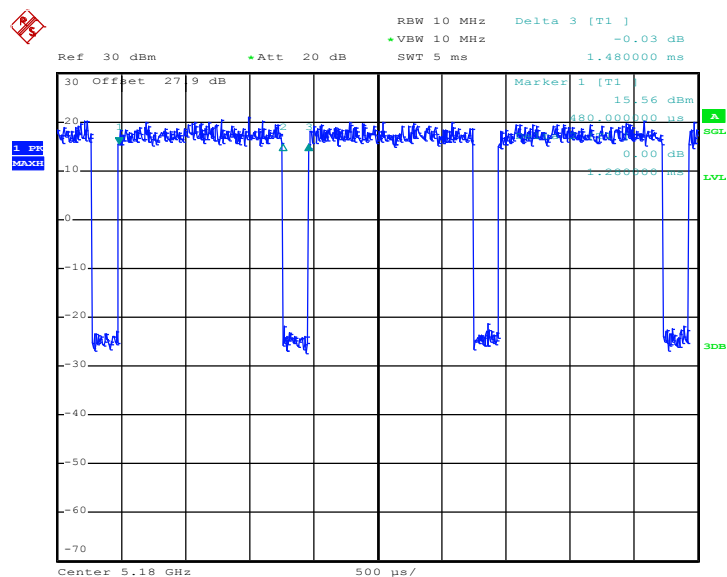
### 802.11a



Date: 17.JUL.2018 04:27:57

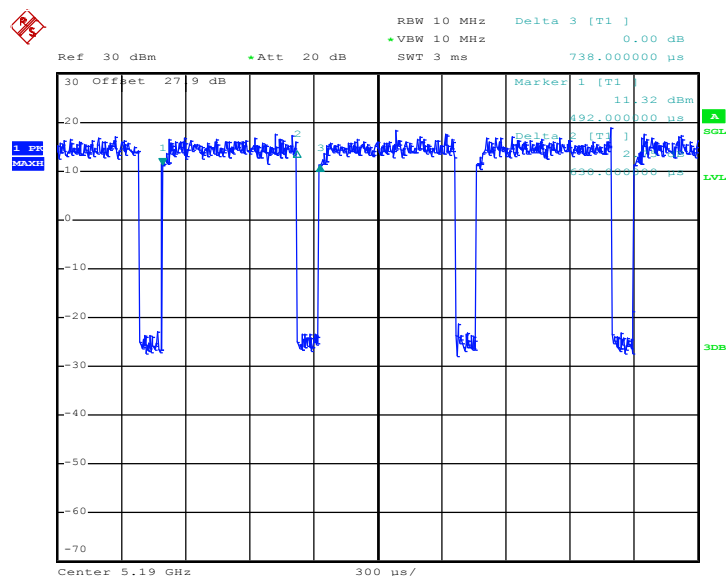


802.11n HT20



Date: 17.JUL.2018 04:45:23

802.11n HT40



Date: 17.JUL.2018 04:57:28