



# FCC RF Test Report

APPLICANT : Huawei Technologies Co., Ltd  
EQUIPMENT : smart phone  
BRAND NAME : honor  
MODEL NAME : BKL-L04  
FCC ID : QISBKL-L04  
STANDARD : FCC Part 15 Subpart E §15.407  
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Jan. 30, 2018 and testing was completed on Feb. 28, 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



**SPORTON INTERNATIONAL INC.**

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FCC ID: QISBKL-L04

Page Number : 1 of 31

Report Issued Date : Mar. 02, 2018

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## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FR813035D  | Rev. 01 | Initial issue of report | Mar. 02, 2018 |
|            |         |                         |               |
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|            |         |                         |               |

## SUMMARY OF TEST RESULT

| Report Section | FCC Rule           | Description                            | Limit                    | Result | Remark                              |
|----------------|--------------------|----------------------------------------|--------------------------|--------|-------------------------------------|
| 3.1            | 2.1049 & 15.403(i) | 26dB & 99% Bandwidth                   | -                        | Pass   | -                                   |
| 3.2            | 15.407(a)          | Maximum Conducted Output Power         | $\leq 24$ dBm            | Pass   | -                                   |
| 3.3            | 15.407(a)          | Power Spectral Density                 | $\leq 11$ dBm            | Pass   | -                                   |
| 3.4            | 15.407(b)          | Unwanted Emissions                     | 15.407(b) & 15.209(a)    | Pass   | Under limit 6.34 dB at 5350.560 MHz |
| 3.5            | 15.207             | AC Conducted Emission                  | 15.207(a)                | Pass   | Under limit 13.12 dB at 0.198 MHz   |
| 3.6            | 15.407(c)          | Automatically Discontinue Transmission | Discontinue Transmission | Pass   | -                                   |
| 3.7            | 15.203 & 15.407(a) | Antenna Requirement                    | N/A                      | Pass   | -                                   |



# 1 General Description

## 1.1 Applicant

**Huawei Technologies Co., Ltd**

Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

## 1.2 Manufacturer

**Huawei Technologies Co., Ltd**

Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

## 1.3 Product Feature of Equipment Under Test

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

| Product Specification subjective to this standard |                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Type                                      | WWAN:<br><Up Ant.>: PIFA Antenna<br><Down Ant.>: PIFA Antenna<br>WLAN: Left-hand Type Antenna<br>Bluetooth: Left-hand Type Antenna<br>GPS/Glonass/Galileo/BDS: Left-hand Type Antenna<br>NFC: Loop Antenna |

## 1.4 Modification of EUT

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

## 1.5 Testing Location

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

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

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

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

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

## 1.6 Applicable Standards

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

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

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.



## 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 (Z 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        |
|                                      | 42 <sup>#</sup> | 5210        |         |             |

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

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



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

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

**Note:**

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

## 2.2 Test Mode

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

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

| Test Cases                  |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| AC<br>Conducted<br>Emission | Mode 1 : WLAN (5GHz) Link + Earphone 1 + USB Cable (Charging from Adapter) |



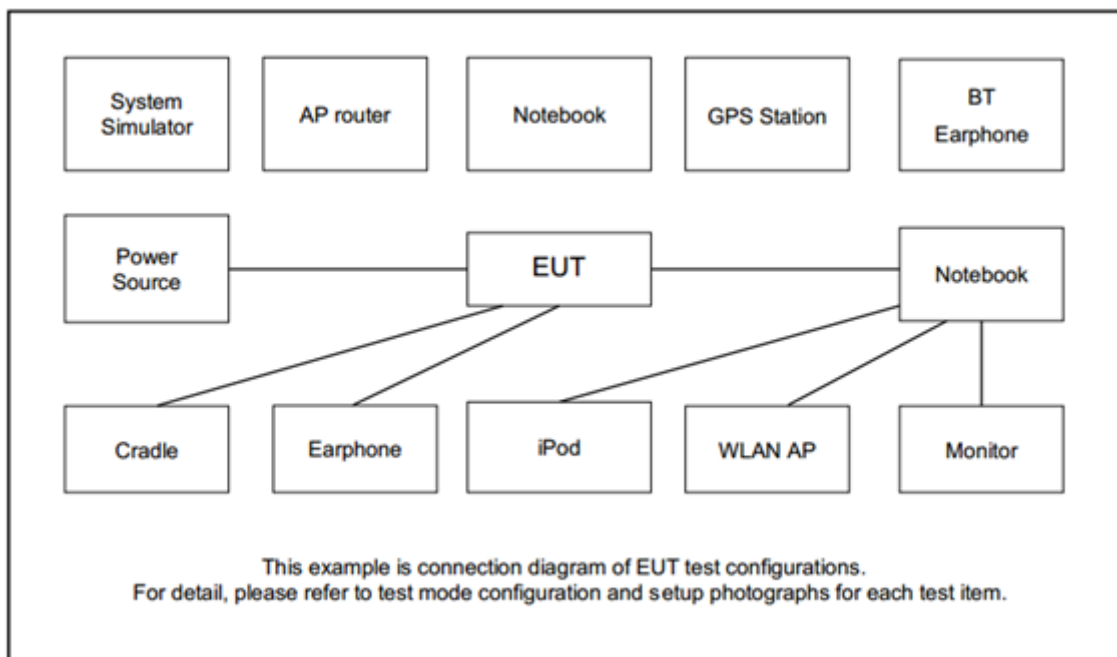
| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11a                | 802.11a                 | 802.11a                 |
| L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

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

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

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

## 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.   | WLAN AP   | ASUS       | RT-AC66U       | MSQ-RTAC66U                                  | N/A        | Unshielded, 1.8 m                                          |
| 2.   | 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 |
| 3.   | SD Card   | SanDisk    | MicroSD HC     | FCC DoC                                      | N/A        | N/A                                                        |



## 2.5 EUT Operation Test Setup

The RF test items, utility “ADB” 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.

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

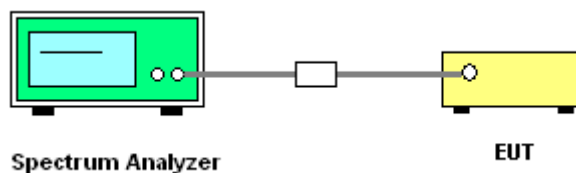
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

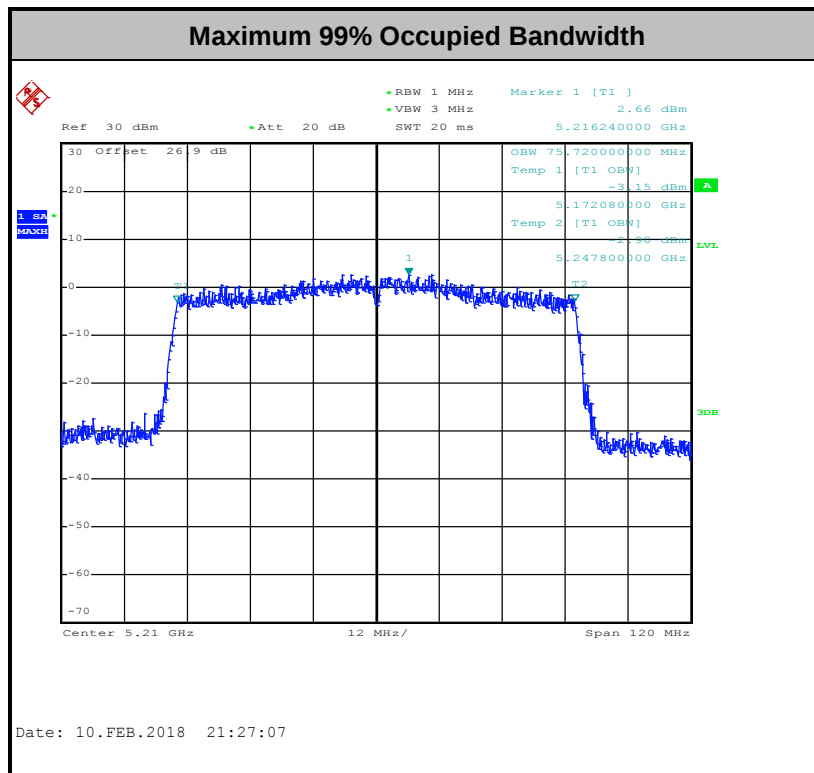
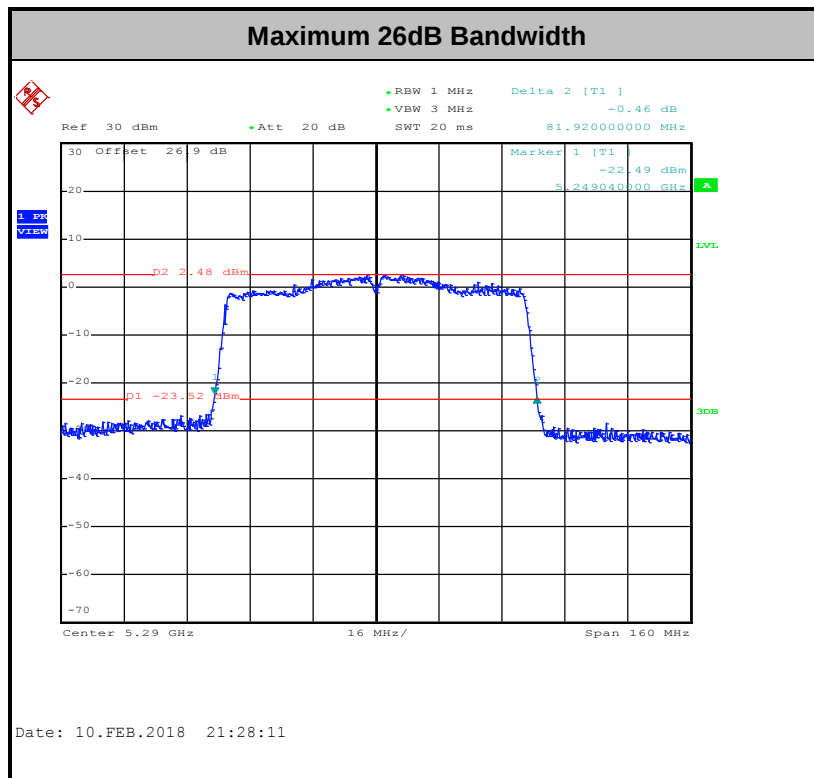
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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 1MHz and set the Video bandwidth (VBW)  $\geq 3 * \text{RBW}$ .
8. Measure and record the results in the test report.

##### 3.1.4 Test Setup



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

Please refer to Appendix A.



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



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

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

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

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

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

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

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

### **3.2.2 Measuring Instruments**

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

### 3.2.3 Test Procedures

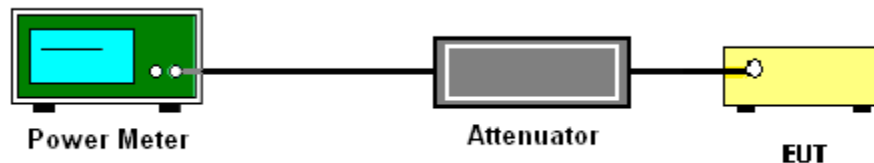
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### **3.3 Power Spectral Density Measurement**

#### **3.3.1 Limit of Power Spectral Density**

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

For 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 megahertz band.

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

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

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

#### **3.3.2 Measuring Instruments**

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

### 3.3.3 Test Procedures

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

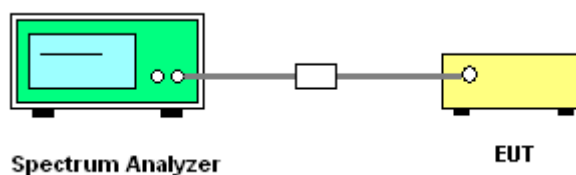
Section F) Maximum power spectral density.

#### # Method SA-2 #

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

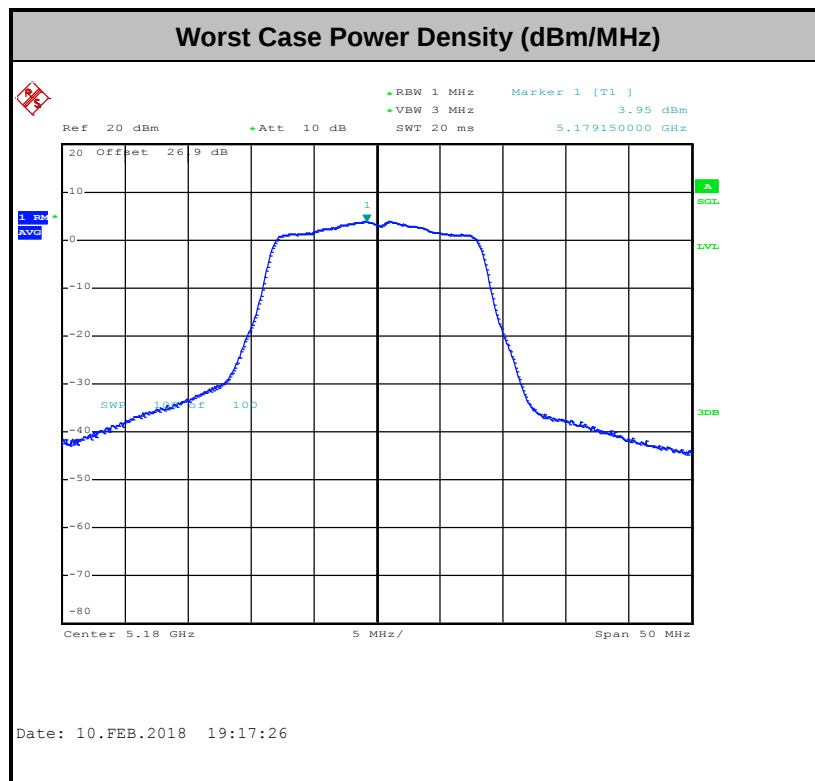
- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging 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) |
|------------|-------------------------------|
| -17        | 78.3                          |
| - 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

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



### 3.4.3 Test Procedures

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

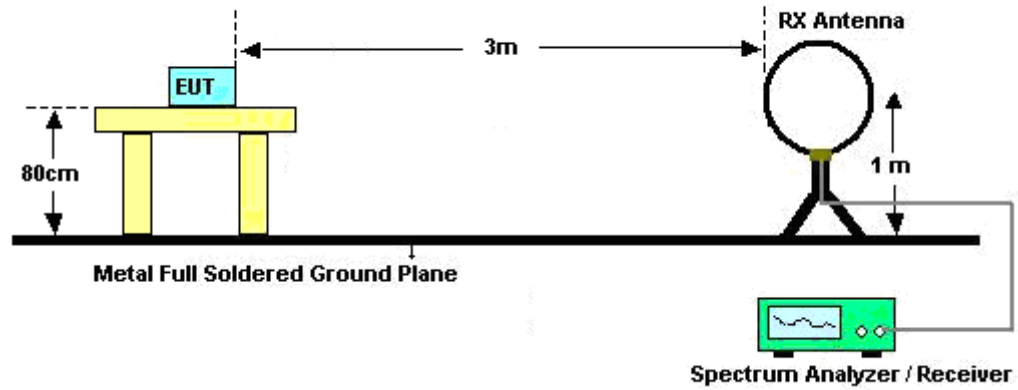
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



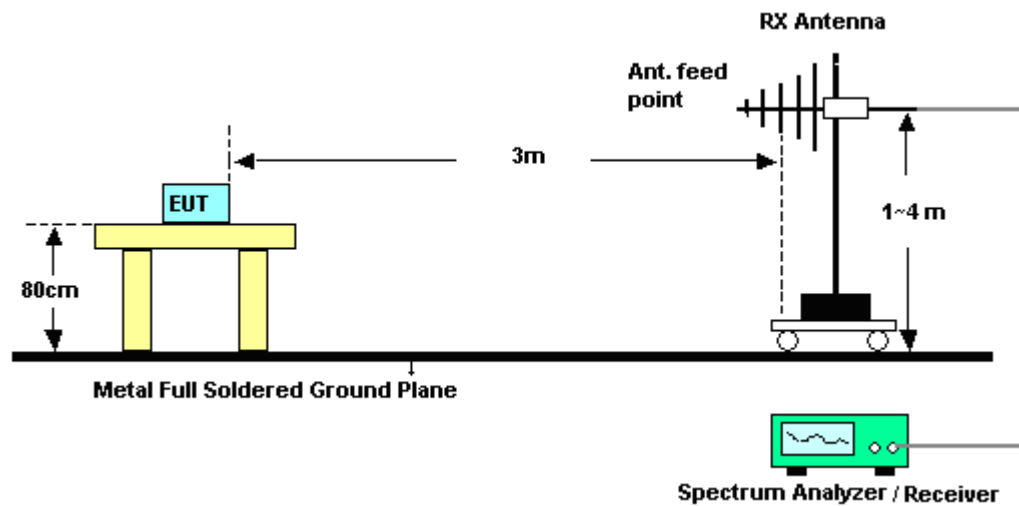
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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

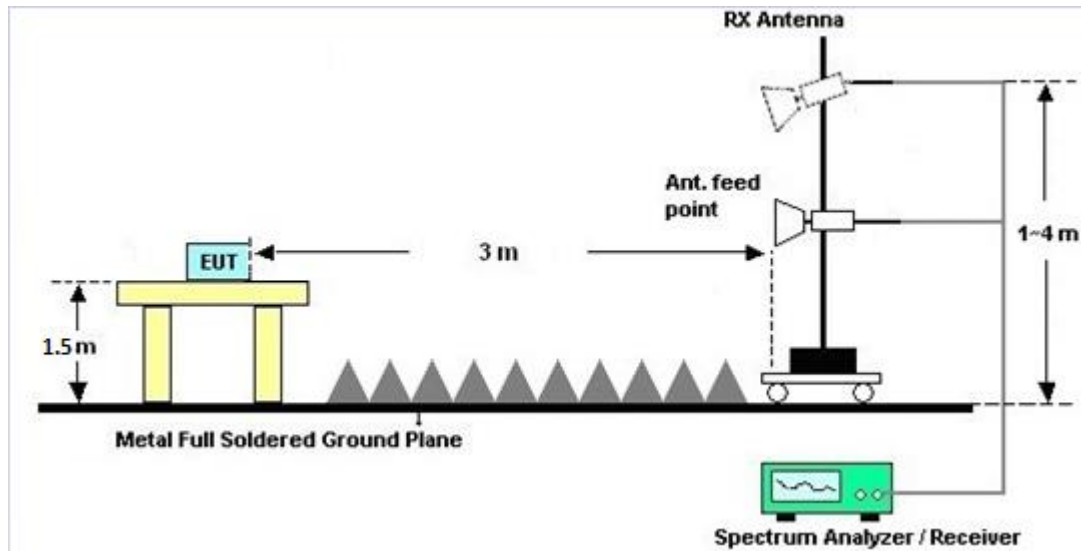
For radiated emissions below 30MHz



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 (dBμV) |           |
|-----------------------------|------------------------|-----------|
|                             | Quasi-peak             | Average   |
| 0.15-0.5                    | 66 to 56*              | 56 to 46* |
| 0.5-5                       | 56                     | 46        |
| 5-30                        | 60                     | 50        |

\*Decreases with the logarithm of the frequency.

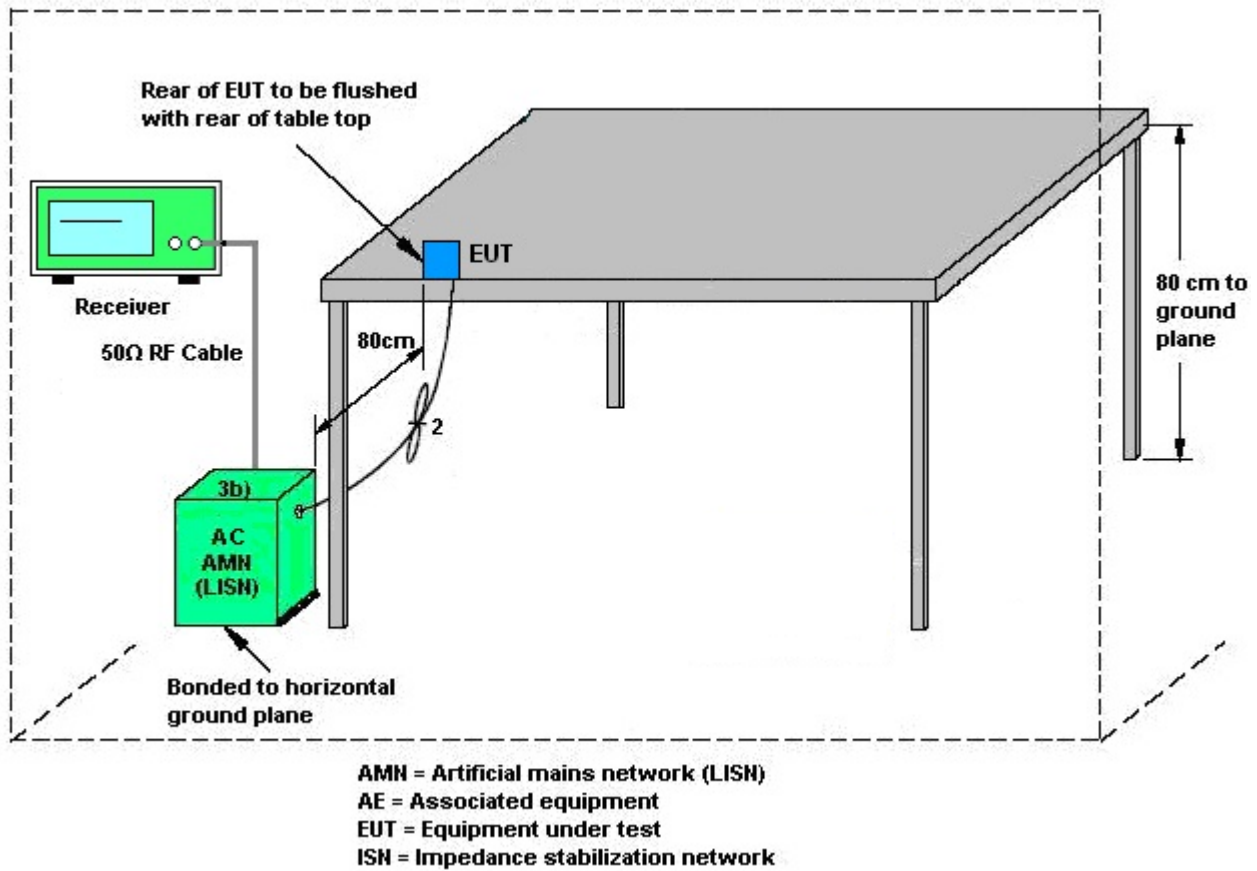
### 3.5.2 Measuring Instruments

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

### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.6 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**

The measuring equipment is listed in the section 4 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                         | 0932001          | N/A                                 | Sep. 26, 2017    | Feb. 07, 2018~<br>Feb. 26, 2017 | Sep. 25, 2018 | Conducted<br>(TH05-HY)   |
| Power Sensor         | Anritsu         | MA2411B                         | 0846202          | 300MHz~40GHz<br>z                   | Sep. 26, 2017    | Feb. 07, 2018~<br>Feb. 26, 2017 | Sep. 25, 2018 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer    | Rohde & Schwarz | FSP30                           | 101067           | 9kHz ~ 30GHz                        | Nov. 13, 2017    | Feb. 07, 2018~<br>Feb. 26, 2017 | Nov. 12, 2018 | Conducted<br>(TH05-HY)   |
| AC Power Source      | ChainTek        | APC-1000W                       | N/A              | N/A                                 | N/A              | Feb. 08, 2018                   | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver    | Rohde & Schwarz | ESCI 7                          | 100724           | 9kHz~7GHz                           | Sep. 20, 2017    | Feb. 08, 2018                   | Sep. 19, 2018 | Conduction<br>(CO05-HY)  |
| LISN                 | Rohde & Schwarz | ENV216                          | 100080           | 9kHz~30MHz                          | Nov. 30, 2017    | Feb. 08, 2018                   | Nov. 29, 2018 | Conduction<br>(CO05-HY)  |
| Loop Antenna         | Rohde & Schwarz | HFH2-Z2                         | 100315           | 9 kHz~30 MHz                        | May 15, 2017     | Feb. 08, 2018~<br>Feb. 28, 2018 | May 14, 2019  | Radiation<br>(03CH10-HY) |
| Amplifier            | SONOMA          | 310N                            | 187311           | 9kHz~1GHz                           | Oct. 19, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Oct. 18, 2018 | Radiation<br>(03CH10-HY) |
| Amplifier            | MITEQ           | TTA1840-35-HG                   | 1871923          | 18GHz~40GHz,<br>VSWR : 2.5:1<br>max | Jul. 18, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Jul. 17, 2018 | Radiation<br>(03CH10-HY) |
| Bilog Antenna        | TESEQ           | CBL<br>6111D&00800<br>N1D01N-06 | 35413&02         | 30MHz~1GHz                          | Dec. 18, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Dec. 17, 2018 | Radiation<br>(03CH10-HY) |
| Horn Antenna         | SCHWARZBECK     | BBHA 9120 D                     | 9120D-132<br>5   | 1GHz ~ 18GHz                        | Sep. 27, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Sep. 26, 2018 | Radiation<br>(03CH10-HY) |
| Preamplifier         | Keysight        | 83017A                          | MY532700<br>78   | 1GHz~26.5GHz                        | Oct. 25, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Oct. 24, 2018 | Radiation<br>(03CH10-HY) |
| Spectrum Analyzer    | Keysight        | N9010A                          | MY542004<br>85   | 10Hz ~ 44GHz                        | Oct. 31, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Oct. 30, 2018 | Radiation<br>(03CH10-HY) |
| Antenna Mast         | EMEC            | AM-BS-4500-B                    | N/A              | 1~4m                                | N/A              | Feb. 08, 2018~<br>Feb. 28, 2018 | N/A           | Radiation<br>(03CH10-HY) |
| Turn Table           | EMEC            | TT 2200                         | N/A              | 0~360 Degree                        | N/A              | Feb. 08, 2018~<br>Feb. 28, 2018 | N/A           | Radiation<br>(03CH10-HY) |
| Preamplifier         | Jet-Power       | JAP00101800<br>-30-10P          | 160118550<br>004 | 1GHz~18GHz                          | Apr. 13, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Apr. 12, 2018 | Radiation<br>(03CH10-HY) |
| Test Software        | Audix           | E3 6.2009-8-<br>24              | RK-00104<br>2    | N/A                                 | N/A              | Feb. 08, 2018~<br>Feb. 28, 2018 | N/A           | Radiation<br>(03CH10-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK     | BBHA 9170                       | BBHA9170<br>584  | 18GHz- 40GHz                        | Nov. 27, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Nov. 26, 2018 | Radiation<br>(03CH10-HY) |
| EMI Test Receiver    | Keysight        | N9038A<br>(MXE)                 | MY572901<br>11   | 3Hz~26.5GHz                         | Nov. 02, 2017    | Feb. 08, 2018~<br>Feb. 28, 2018 | Nov. 01, 2018 | Radiation<br>(03CH10-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% ( $U = 2Uc(y)$ ) | 5.60 |
|----------------------------------------------------------------------------|------|

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

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

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

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

Appendix A. Test Result of Conducted Test Items

|                |                              |                    |       |    |
|----------------|------------------------------|--------------------|-------|----|
| Test Engineer: | Lena Lo/ Luffy Lin/Reece Lin | Temperature:       | 21~25 | °C |
| Test Date:     | 2018/2/7 ~ 2018/02/26        | Relative Humidity: | 51~54 | %  |

**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 |
| 11a        | 6Mbps     | 1   | 36  | 5180        | 0.47             | 14.80                         | 24.00                           | 0.25     |  | Pass      |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 0.47             | 14.43                         | 24.00                           | 0.25     |  | Pass      |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 0.47             | 14.55                         | 24.00                           | 0.25     |  | Pass      |
| HT20       | MCS0      | 1   | 36  | 5180        | 0.50             | 14.40                         | 24.00                           | 0.25     |  | Pass      |
| HT20       | MCS0      | 1   | 44  | 5220        | 0.50             | 14.19                         | 24.00                           | 0.25     |  | Pass      |
| HT20       | MCS0      | 1   | 48  | 5240        | 0.50             | 14.02                         | 24.00                           | 0.25     |  | Pass      |
| HT40       | MCS0      | 1   | 38  | 5190        | 0.50             | 11.91                         | 24.00                           | 0.25     |  | Pass      |
| HT40       | MCS0      | 1   | 46  | 5230        | 0.50             | 11.37                         | 24.00                           | 0.25     |  | Pass      |
| VHT20      | MCS0      | 1   | 36  | 5180        | 0.50             | 14.38                         | 24.00                           | 0.25     |  | Pass      |
| VHT20      | MCS0      | 1   | 44  | 5220        | 0.50             | 14.17                         | 24.00                           | 0.25     |  | Pass      |
| VHT20      | MCS0      | 1   | 48  | 5240        | 0.50             | 13.98                         | 24.00                           | 0.25     |  | Pass      |
| VHT40      | MCS0      | 1   | 38  | 5190        | 0.44             | 11.80                         | 24.00                           | 0.25     |  | Pass      |
| VHT40      | MCS0      | 1   | 46  | 5230        | 0.44             | 11.16                         | 24.00                           | 0.25     |  | Pass      |
| VHT80      | MCS0      | 1   | 42  | 5210        | 0.67             | 10.44                         | 24.00                           | 0.25     |  | Pass      |

**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) |  |  |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 18.25               | 22.84                 | -                                  | 22.61                             |  |  |
| 11a    | 6Mbps     | 1   | 44  | 5220        | 18.20               | 22.80                 | -                                  | 22.60                             |  |  |
| 11a    | 6Mbps     | 1   | 48  | 5240        | 18.20               | 23.00                 | -                                  | 22.60                             |  |  |
| HT20   | MCS0      | 1   | 36  | 5180        | 18.90               | 23.30                 | -                                  | 22.76                             |  |  |
| HT20   | MCS0      | 1   | 44  | 5220        | 18.75               | 23.40                 | -                                  | 22.73                             |  |  |
| HT20   | MCS0      | 1   | 48  | 5240        | 18.65               | 24.55                 | -                                  | 22.71                             |  |  |
| HT40   | MCS0      | 1   | 38  | 5190        | 36.50               | 41.04                 | -                                  | 23.01                             |  |  |
| HT40   | MCS0      | 1   | 46  | 5230        | 36.50               | 40.92                 | -                                  | 23.01                             |  |  |
| VHT80  | MCS0      | 1   | 42  | 5210        | 75.72               | 81.28                 | -                                  | 23.01                             |  |  |

**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 |
| 11a        | 6Mbps     | 1               | 36  | 5180        | 0.47             | 4.42                            | 11.00                       | 0.25     |   | Pass      |
| 11a        | 6Mbps     | 1               | 44  | 5220        | 0.47             | 3.87                            | 11.00                       | 0.25     |   | Pass      |
| 11a        | 6Mbps     | 1               | 48  | 5240        | 0.47             | 3.40                            | 11.00                       | 0.25     |   | Pass      |
| HT20       | MCS0      | 1               | 36  | 5180        | 0.50             | 3.69                            | 11.00                       | 0.25     |   | Pass      |
| HT20       | MCS0      | 1               | 44  | 5220        | 0.50             | 3.32                            | 11.00                       | 0.25     |   | Pass      |
| HT20       | MCS0      | 1               | 48  | 5240        | 0.50             | 2.94                            | 11.00                       | 0.25     |   | Pass      |
| HT40       | MCS0      | 1               | 38  | 5190        | 0.50             | -2.33                           | 11.00                       | 0.25     |   | Pass      |
| HT40       | MCS0      | 1               | 46  | 5230        | 0.50             | -2.38                           | 11.00                       | 0.25     |   | Pass      |
| VHT80      | MCS0      | 1               | 42  | 5210        | 0.67             | -5.95                           | 11.00                       | 0.25     |   | 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 |
| 11a     | 6M bps    | 1   | 52  | 5260        | 18.15               | 22.93                 | 23.59                              | 29.59                             | 23.98                                |      |
| 11a     | 6M bps    | 1   | 60  | 5300        | 18.05               | 22.80                 | 23.56                              | 29.56                             | 23.98                                |      |
| 11a     | 6M bps    | 1   | 64  | 5320        | 18.15               | 22.90                 | 23.59                              | 29.59                             | 23.98                                |      |
| HT20    | MCS 0     | 1   | 52  | 5260        | 18.80               | 24.40                 | 23.74                              | 29.74                             | 23.98                                |      |
| HT20    | MCS 0     | 1   | 60  | 5300        | 18.85               | 23.34                 | 23.75                              | 29.75                             | 23.98                                |      |
| HT20    | MCS 0     | 1   | 64  | 5320        | 18.90               | 25.64                 | 23.76                              | 29.76                             | 23.98                                |      |
| HT40    | MCS 0     | 1   | 54  | 5270        | 36.60               | 41.04                 | 23.98                              | 30.00                             | 23.98                                |      |
| HT40    | MCS 0     | 1   | 62  | 5310        | 36.50               | 41.40                 | 23.98                              | 30.00                             | 23.98                                |      |
| VHT80   | MCS 0     | 1   | 58  | 5290        | 75.72               | 81.92                 | 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 |
| 11a         | 6M bps    | 1   | 52  | 5260        | 0.47             | 14.40                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| 11a         | 6M bps    | 1   | 60  | 5300        | 0.47             | 14.37                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| 11a         | 6M bps    | 1   | 64  | 5320        | 0.47             | 14.29                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| HT20        | MCS 0     | 1   | 52  | 5260        | 0.50             | 14.03                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| HT20        | MCS 0     | 1   | 60  | 5300        | 0.50             | 13.90                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| HT20        | MCS 0     | 1   | 64  | 5320        | 0.50             | 14.01                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| HT40        | MCS 0     | 1   | 54  | 5270        | 0.50             | 11.84                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| HT40        | MCS 0     | 1   | 62  | 5310        | 0.50             | 11.82                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| VHT20       | MCS 0     | 1   | 52  | 5260        | 0.50             | 13.99                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| VHT20       | MCS 0     | 1   | 60  | 5300        | 0.50             | 13.88                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| VHT20       | MCS 0     | 1   | 64  | 5320        | 0.50             | 13.97                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| VHT40       | MCS 0     | 1   | 54  | 5270        | 0.44             | 11.71                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| VHT40       | MCS 0     | 1   | 62  | 5310        | 0.44             | 11.55                         | 23.98                           | 1.34     | 26.99                  | Pass      |
| VHT80       | MCS 0     | 1   | 58  | 5290        | 0.67             | 9.94                          | 23.98                           | 1.34     | 26.99                  | Pass      |

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

| Band II |           |     |     |             |                  |                                 |                             |          |  |           |
|---------|-----------|-----|-----|-------------|------------------|---------------------------------|-----------------------------|----------|--|-----------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Power Density (dBm/MHz) | Average PSD Limit (dBm/MHz) | DG (dBi) |  | Pass/Fail |
| 11a     | 6M bps    | 1   | 52  | 5260        | 0.47             | 3.23                            | 11.00                       | 1.34     |  | Pass      |
| 11a     | 6M bps    | 1   | 60  | 5300        | 0.47             | 3.16                            | 11.00                       | 1.34     |  | Pass      |
| 11a     | 6M bps    | 1   | 64  | 5320        | 0.47             | 3.26                            | 11.00                       | 1.34     |  | Pass      |
| HT20    | MCS 0     | 1   | 52  | 5260        | 0.50             | 2.35                            | 11.00                       | 1.34     |  | Pass      |
| HT20    | MCS 0     | 1   | 60  | 5300        | 0.50             | 2.57                            | 11.00                       | 1.34     |  | Pass      |
| HT20    | MCS 0     | 1   | 64  | 5320        | 0.50             | 2.41                            | 11.00                       | 1.34     |  | Pass      |
| HT40    | MCS 0     | 1   | 54  | 5270        | 0.50             | -3.05                           | 11.00                       | 1.34     |  | Pass      |
| HT40    | MCS 0     | 1   | 62  | 5310        | 0.50             | -3.16                           | 11.00                       | 1.34     |  | Pass      |
| VHT80   | MCS 0     | 1   | 58  | 5290        | 0.67             | -6.34                           | 11.00                       | 1.34     |  | Pass      |

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

| Band III |           |     |     |             |                                |                                  |                                    |                                   |                                      |                                          |
|----------|-----------|-----|-----|-------------|--------------------------------|----------------------------------|------------------------------------|-----------------------------------|--------------------------------------|------------------------------------------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth In UNII-2C (MHz) | 26 dB Bandwidth In UNII-2C (MHz) | IC 99% Bandwidth Power Limit (dBm) | IC 99% Bandwidth EIRP Limit (dBm) | FCC 26dB Bandwidth Power Limit (dBm) | 6dB Bandwidth for Straddle Channel (MHz) |
| 11a      | 6M bps    | 1   | 100 | 5500        | 18.25                          | 22.93                            | 23.61                              | 29.61                             | 23.98                                | ----                                     |
| 11a      | 6M bps    | 1   | 116 | 5580        | 17.95                          | 22.90                            | 23.54                              | 29.54                             | 23.98                                | ----                                     |
| 11a      | 6M bps    | 1   | 140 | 5700        | 18.10                          | 22.93                            | 23.58                              | 29.58                             | 23.98                                | ----                                     |
| 11a      | 6Mbps     | 1   | 144 | 5720        | 14.10                          | 17.35                            | 22.49                              | 28.49                             | 23.39                                | 3.18                                     |
| HT20     | MCS 0     | 1   | 100 | 5500        | 18.85                          | 23.22                            | 23.75                              | 29.75                             | 23.98                                | ----                                     |
| HT20     | MCS 0     | 1   | 116 | 5580        | 18.95                          | 26.43                            | 23.78                              | 29.78                             | 23.98                                | ----                                     |
| HT20     | MCS 0     | 1   | 140 | 5700        | 18.85                          | 26.00                            | 23.75                              | 29.75                             | 23.98                                | ----                                     |
| HT20     | MCS0      | 1   | 144 | 5720        | 14.45                          | 16.40                            | 22.60                              | 28.60                             | 23.15                                | 3.8                                      |
| HT40     | MCS 0     | 1   | 102 | 5510        | 36.50                          | 41.04                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |
| HT40     | MCS 0     | 1   | 110 | 5550        | 36.50                          | 41.40                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |
| HT40     | MCS 0     | 1   | 134 | 5670        | 36.60                          | 41.22                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |
| HT40     | MCS0      | 1   | 142 | 5710        | 33.30                          | 35.52                            | 23.98                              | 30.00                             | 23.98                                | 2.96                                     |
| VHT80    | MCS 0     | 1   | 106 | 5530        | 75.72                          | 81.60                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |
| VHT80    | MCS 0     | 1   | 122 | 5610        | 75.48                          | 81.60                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |
| VHT80    | MCS0      | 1   | 138 | 5690        | 72.80                          | 75.96                            | 23.98                              | 30.00                             | 23.98                                | 2.68                                     |

**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 |
| 11a          | 6M bps    | 1   | 100 | 5500        | 0.47             | 14.62                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| 11a          | 6M bps    | 1   | 116 | 5580        | 0.47             | 14.20                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| 11a          | 6M bps    | 1   | 140 | 5700        | 0.47             | 13.98                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| 11a          | 6M bps    | 1   | 144 | 5720        | 0.47             | 14.21                         | 23.39                           | 2.28     | 26.99                  | Pass      |
| HT20         | MCS 0     | 1   | 100 | 5500        | 0.50             | 14.32                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| HT20         | MCS 0     | 1   | 116 | 5580        | 0.50             | 13.86                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| HT20         | MCS 0     | 1   | 140 | 5700        | 0.50             | 13.88                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| HT20         | MCS 0     | 1   | 144 | 5720        | 0.50             | 14.06                         | 23.15                           | 2.28     | 26.99                  | Pass      |
| HT40         | MCS 0     | 1   | 102 | 5510        | 0.50             | 12.12                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| HT40         | MCS 0     | 1   | 110 | 5550        | 0.50             | 12.13                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| HT40         | MCS 0     | 1   | 134 | 5670        | 0.50             | 12.19                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| HT40         | MCS 0     | 1   | 142 | 5710        | 0.50             | 12.22                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT20        | MCS 0     | 1   | 100 | 5500        | 0.50             | 14.31                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT20        | MCS 0     | 1   | 116 | 5580        | 0.50             | 13.84                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT20        | MCS 0     | 1   | 140 | 5700        | 0.50             | 13.86                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT20        | MCS 0     | 1   | 144 | 5720        | 0.50             | 14.04                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT40        | MCS 0     | 1   | 102 | 5510        | 0.44             | 11.97                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT40        | MCS 0     | 1   | 110 | 5550        | 0.44             | 11.57                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT40        | MCS 0     | 1   | 134 | 5670        | 0.44             | 11.06                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT40        | MCS 0     | 1   | 142 | 5710        | 0.44             | 11.15                         | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT80        | MCS 0     | 1   | 106 | 5530        | 0.67             | 9.87                          | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT80        | MCS 0     | 1   | 122 | 5610        | 0.67             | 9.32                          | 23.98                           | 2.28     | 26.99                  | Pass      |
| VHT80        | MCS 0     | 1   | 138 | 5690        | 0.67             | 9.16                          | 23.98                           | 2.28     | 26.99                  | Pass      |

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

| Band III |           |     |     |             |                  |                                 |                             |          |  |           |
|----------|-----------|-----|-----|-------------|------------------|---------------------------------|-----------------------------|----------|--|-----------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Power Density (dBm/MHz) | Average PSD Limit (dBm/MHz) | DG (dBi) |  | Pass/Fail |
| 11a      | 6M bps    | 1   | 100 | 5500        | 0.47             | 3.72                            | 11.00                       | 2.28     |  | Pass      |
| 11a      | 6M bps    | 1   | 116 | 5580        | 0.47             | 3.61                            | 11.00                       | 2.28     |  | Pass      |
| 11a      | 6M bps    | 1   | 140 | 5700        | 0.47             | 2.74                            | 11.00                       | 2.28     |  | Pass      |
| 11a      | 6Mbps     | 1   | 144 | 5720        | 0.47             | 2.57                            | 11.00                       | 2.28     |  | Pass      |
| HT20     | MCS 0     | 1   | 100 | 5500        | 0.50             | 2.80                            | 11.00                       | 2.28     |  | Pass      |
| HT20     | MCS 0     | 1   | 116 | 5580        | 0.50             | 2.13                            | 11.00                       | 2.28     |  | Pass      |
| HT20     | MCS 0     | 1   | 140 | 5700        | 0.50             | 2.33                            | 11.00                       | 2.28     |  | Pass      |
| HT20     | MCS0      | 1   | 144 | 5720        | 0.50             | 1.26                            | 11.00                       | 2.28     |  | Pass      |
| HT40     | MCS 0     | 1   | 102 | 5510        | 0.50             | -2.20                           | 11.00                       | 2.28     |  | Pass      |
| HT40     | MCS 0     | 1   | 110 | 5550        | 0.50             | -2.33                           | 11.00                       | 2.28     |  | Pass      |
| HT40     | MCS 0     | 1   | 134 | 5670        | 0.50             | -3.60                           | 11.00                       | 2.28     |  | Pass      |
| HT40     | MCS0      | 1   | 142 | 5710        | 0.50             | -3.50                           | 11.00                       | 2.28     |  | Pass      |
| VHT80    | MCS 0     | 1   | 106 | 5530        | 0.67             | -5.88                           | 11.00                       | 2.28     |  | Pass      |
| VHT80    | MCS 0     | 1   | 122 | 5610        | 0.67             | -7.11                           | 11.00                       | 2.28     |  | Pass      |
| VHT80    | MCS0      | 1   | 138 | 5690        | 0.67             | -8.14                           | 11.00                       | 2.28     |  | Pass      |



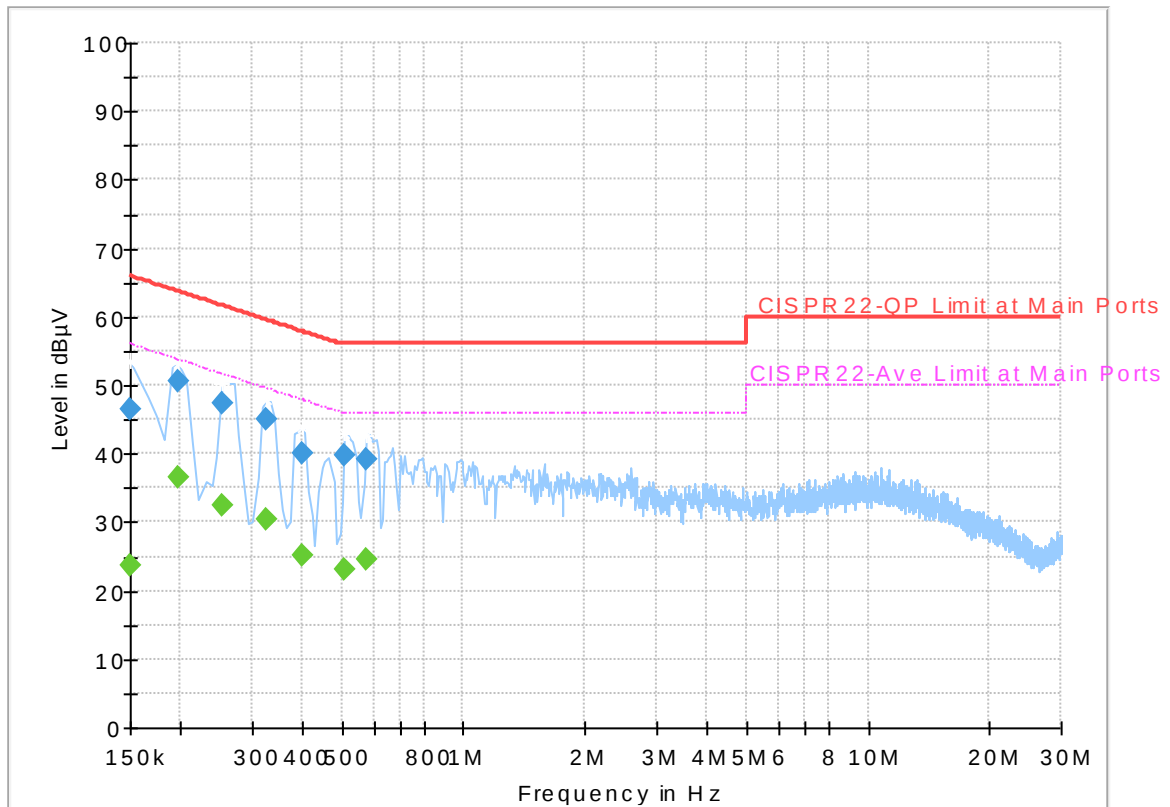
## **Appendix B. AC Conducted Emission Test Results**

|                        |          |                            |        |
|------------------------|----------|----------------------------|--------|
| <b>Test Engineer :</b> | Blue Lan | <b>Temperature :</b>       | 24~25℃ |
|                        |          | <b>Relative Humidity :</b> | 43~45% |

## EUT Information

Report NO : 813035  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

### Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|--------------|-------------|------|--------|------------|
| 0.150000        | 46.41            | 66.00        | 19.59       | L1   | OFF    | 19.5       |
| 0.198000        | 50.57            | 63.69        | 13.12       | L1   | OFF    | 19.5       |
| 0.254000        | 47.44            | 61.63        | 14.19       | L1   | OFF    | 19.5       |
| 0.326000        | 45.12            | 59.55        | 14.43       | L1   | OFF    | 19.5       |
| 0.398000        | 40.12            | 57.90        | 17.78       | L1   | OFF    | 19.5       |
| 0.510000        | 39.74            | 56.00        | 16.26       | L1   | OFF    | 19.5       |
| 0.574000        | 39.07            | 56.00        | 16.93       | L1   | OFF    | 19.5       |

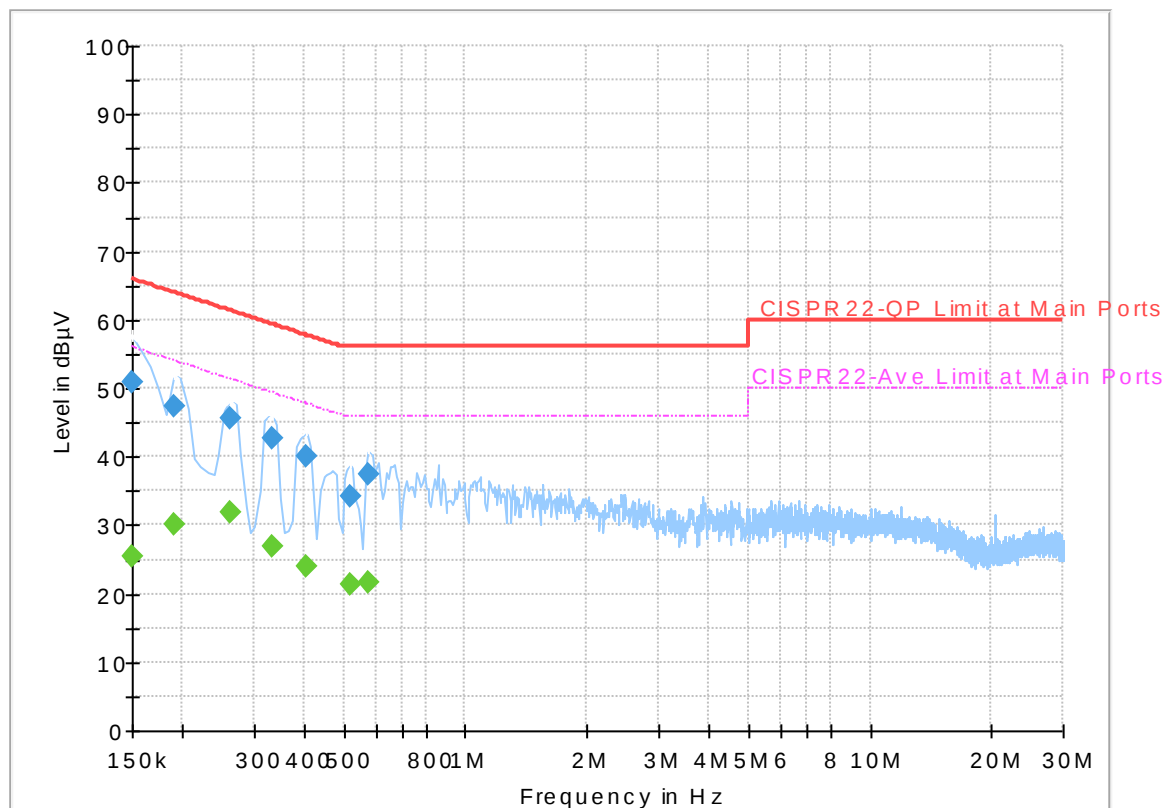
## Final\_Result

| Frequency (MHz) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.150000        | 23.59          | 56.00        | 32.41       | L1   | OFF    | 19.5       |
| 0.198000        | 36.48          | 53.69        | 17.21       | L1   | OFF    | 19.5       |
| 0.254000        | 32.60          | 51.63        | 19.03       | L1   | OFF    | 19.5       |
| 0.326000        | 30.44          | 49.55        | 19.11       | L1   | OFF    | 19.5       |
| 0.398000        | 25.18          | 47.90        | 22.72       | L1   | OFF    | 19.5       |
| 0.510000        | 23.02          | 46.00        | 22.98       | L1   | OFF    | 19.5       |
| 0.574000        | 24.43          | 46.00        | 21.57       | L1   | OFF    | 19.5       |

## EUT Information

Report NO : 813035  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|--------------|-------------|------|--------|------------|
| 0.150000        | 50.86            | 66.00        | 15.14       | N    | OFF    | 19.5       |
| 0.190000        | 47.51            | 64.04        | 16.53       | N    | OFF    | 19.5       |
| 0.262000        | 45.59            | 61.37        | 15.78       | N    | OFF    | 19.5       |
| 0.334000        | 42.63            | 59.35        | 16.72       | N    | OFF    | 19.5       |
| 0.406000        | 40.06            | 57.73        | 17.67       | N    | OFF    | 19.5       |
| 0.518000        | 34.24            | 56.00        | 21.76       | N    | OFF    | 19.5       |
| 0.574000        | 37.45            | 56.00        | 18.55       | N    | OFF    | 19.5       |

## Final\_Result

| Frequency (MHz) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.150000        | 25.38          | 56.00        | 30.62       | N    | OFF    | 19.5       |
| 0.190000        | 30.03          | 54.04        | 24.01       | N    | OFF    | 19.5       |
| 0.262000        | 31.82          | 51.37        | 19.55       | N    | OFF    | 19.5       |
| 0.334000        | 26.88          | 49.35        | 22.47       | N    | OFF    | 19.5       |
| 0.406000        | 24.06          | 47.73        | 23.67       | N    | OFF    | 19.5       |
| 0.518000        | 21.27          | 46.00        | 24.73       | N    | OFF    | 19.5       |
| 0.574000        | 21.59          | 46.00        | 24.41       | N    | OFF    | 19.5       |



## Appendix C. Radiated Spurious Emission

|                 |                                       |                     |         |
|-----------------|---------------------------------------|---------------------|---------|
| Test Engineer : | Yun Huang, Daniel Lee, and J.C. Liang | Temperature :       | 18~22°C |
|                 |                                       | Relative Humidity : | 48~52%  |

### 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 |      | 5144.3    | 55.44      | -18.56 | 74         | 47.86    | 31.68    | 8.38   | 32.48  | 100    | 125     | P       | H       |
|                             |      | 5149.76   | 44.06      | -9.94  | 54         | 36.48    | 31.68    | 8.38   | 32.48  | 100    | 125     | A       | H       |
|                             | *    | 5180      | 104.42     | -      | -          | 96.79    | 31.72    | 8.39   | 32.48  | 100    | 125     | P       | H       |
|                             | *    | 5180      | 97.34      | -      | -          | 89.71    | 31.72    | 8.39   | 32.48  | 100    | 125     | A       | H       |
|                             |      | 5140.14   | 51.85      | -22.15 | 74         | 44.28    | 31.68    | 8.37   | 32.48  | 100    | 96      | P       | V       |
|                             |      | 5149.24   | 42.7       | -11.3  | 54         | 35.12    | 31.68    | 8.38   | 32.48  | 100    | 96      | A       | V       |
|                             | *    | 5180      | 101.61     | -      | -          | 93.98    | 31.72    | 8.39   | 32.48  | 100    | 96      | P       | V       |
|                             | *    | 5180      | 94.27      | -      | -          | 86.64    | 31.72    | 8.39   | 32.48  | 100    | 96      | A       | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5078.52   | 48.92      | -25.08 | 74         | 41.44    | 31.6     | 8.35   | 32.47  | 100    | 125     | P       | H       |
|                             |      | 5034.32   | 40.69      | -13.31 | 54         | 33.29    | 31.54    | 8.33   | 32.47  | 100    | 125     | A       | H       |
|                             | *    | 5220      | 103.38     | -      | -          | 95.73    | 31.76    | 8.37   | 32.48  | 100    | 125     | P       | H       |
|                             | *    | 5220      | 95.5       | -      | -          | 87.85    | 31.76    | 8.37   | 32.48  | 100    | 125     | A       | H       |
|                             |      | 5357.52   | 47.41      | -26.59 | 74         | 39.83    | 31.92    | 8.15   | 32.49  | 100    | 125     | P       | H       |
|                             |      | 5405.96   | 42.37      | -11.63 | 54         | 34.84    | 31.98    | 8.05   | 32.5   | 100    | 125     | A       | H       |
|                             |      | 5146.64   | 49.42      | -24.58 | 74         | 41.84    | 31.68    | 8.38   | 32.48  | 100    | 96      | P       | V       |
|                             |      | 5034.58   | 40.42      | -13.58 | 54         | 33.02    | 31.54    | 8.33   | 32.47  | 100    | 96      | A       | V       |
|                             | *    | 5220      | 101.05     | -      | -          | 93.4     | 31.76    | 8.37   | 32.48  | 100    | 96      | P       | V       |
|                             | *    | 5220      | 92.72      | -      | -          | 85.07    | 31.76    | 8.37   | 32.48  | 100    | 96      | A       | V       |
|                             |      | 5405.12   | 47.69      | -26.31 | 74         | 40.16    | 31.98    | 8.05   | 32.5   | 100    | 96      | P       | V       |
|                             |      | 5405.68   | 40.68      | -13.32 | 54         | 33.15    | 31.98    | 8.05   | 32.5   | 100    | 96      | A       | V       |



|                                                  |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5144.3  | 48.73  | -25.27 | 74 | 41.15 | 31.68 | 8.38 | 32.48 | 103 | 124 | P | H |
|                                                  |                                                                                             | 5052.78 | 40.43  | -13.57 | 54 | 33    | 31.56 | 8.34 | 32.47 | 103 | 124 | A | H |
|                                                  | *                                                                                           | 5240    | 103.12 | -      | -  | 95.48 | 31.78 | 8.34 | 32.48 | 103 | 124 | P | H |
|                                                  | *                                                                                           | 5240    | 95.64  | -      | -  | 88    | 31.78 | 8.34 | 32.48 | 103 | 124 | A | H |
|                                                  |                                                                                             | 5441.52 | 48.33  | -25.67 | 74 | 40.66 | 32.02 | 8.15 | 32.5  | 103 | 124 | P | H |
|                                                  |                                                                                             | 5426.4  | 42.18  | -11.82 | 54 | 34.58 | 32    | 8.1  | 32.5  | 103 | 124 | A | H |
|                                                  |                                                                                             | 5002.08 | 48.38  | -25.62 | 74 | 41.03 | 31.5  | 8.32 | 32.47 | 100 | 96  | P | V |
|                                                  |                                                                                             | 5053.82 | 40.22  | -13.78 | 54 | 32.79 | 31.56 | 8.34 | 32.47 | 100 | 96  | A | V |
|                                                  | *                                                                                           | 5240    | 100.21 | -      | -  | 92.57 | 31.78 | 8.34 | 32.48 | 100 | 96  | P | V |
|                                                  | *                                                                                           | 5240    | 92.44  | -      | -  | 84.8  | 31.78 | 8.34 | 32.48 | 100 | 96  | A | V |
|                                                  |                                                                                             | 5393.64 | 46.81  | -27.19 | 74 | 39.26 | 31.96 | 8.08 | 32.49 | 100 | 96  | P | V |
|                                                  |                                                                                             | 5426.4  | 40.45  | -13.55 | 54 | 32.85 | 32    | 8.1  | 32.5  | 100 | 96  | 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                | 44.69               | -29.31                  | 74                          | 59.91                     | 39.49                         | 11.78                  | 66.49                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15540                | 46.22               | -27.78                  | 74                          | 57.49                     | 38.32                         | 15.57                  | 65.16                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 10360                | 46.01               | -27.99                  | 74                          | 61.23                     | 39.49                         | 11.78                  | 66.49                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15540                | 45.76               | -28.24                  | 74                          | 57.03                     | 38.32                         | 15.57                  | 65.16                      | 100                  | 0                       | P                       | V               |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440                | 44.42               | -29.58                  | 74                          | 59.38                     | 39.59                         | 11.84                  | 66.39                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15660                | 50.66               | -23.34                  | 74                          | 62.32                     | 38.06                         | 15.63                  | 65.35                      | 100                  | 247                     | P                       | H               |
|                             |                                                                                             | 15660                | 39.13               | -14.87                  | 54                          | 50.79                     | 38.06                         | 15.63                  | 65.35                      | 100                  | 247                     | A                       | H               |
|                             |                                                                                             | 10440                | 45.53               | -28.47                  | 74                          | 60.49                     | 39.59                         | 11.84                  | 66.39                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15660                | 46.96               | -27.04                  | 74                          | 58.62                     | 38.06                         | 15.63                  | 65.35                      | 100                  | 0                       | P                       | V               |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480                | 44.61               | -29.39                  | 74                          | 59.37                     | 39.67                         | 11.89                  | 66.32                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15720                | 50.06               | -23.94                  | 74                          | 61.95                     | 37.91                         | 15.66                  | 65.46                      | 100                  | 65                      | P                       | H               |
|                             |                                                                                             | 15720                | 38.69               | -15.31                  | 54                          | 50.58                     | 37.91                         | 15.66                  | 65.46                      | 100                  | 65                      | A                       | H               |
|                             |                                                                                             | 10480                | 44.69               | -29.31                  | 74                          | 59.45                     | 39.67                         | 11.89                  | 66.32                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15720                | 49.48               | -24.52                  | 74                          | 61.37                     | 37.91                         | 15.66                  | 65.46                      | 110                  | 222                     | P                       | V               |
|                             |                                                                                             | 15720                | 37.45               | -16.55                  | 54                          | 49.34                     | 37.91                         | 15.66                  | 65.46                      | 110                  | 222                     | 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 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 |      | 5135.98              | 53.72               | -20.28                  | 74                          | 46.17                     | 31.66                         | 8.37                   | 32.48                      | 100                  | 126                     | P                       | H               |
|                                     |      | 5150                 | 45.76               | -8.24                   | 54                          | 38.18                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 126                     | A                       | H               |
|                                     | *    | 5180                 | 104.35              | -                       | -                           | 96.72                     | 31.72                         | 8.39                   | 32.48                      | 100                  | 126                     | P                       | H               |
|                                     | *    | 5180                 | 96.83               | -                       | -                           | 89.2                      | 31.72                         | 8.39                   | 32.48                      | 100                  | 126                     | A                       | H               |
|                                     |      | 5150                 | 51.01               | -22.99                  | 74                          | 43.43                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 96                      | P                       | V               |
|                                     |      | 5148.98              | 44.69               | -9.31                   | 54                          | 37.11                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 96                      | A                       | V               |
|                                     | *    | 5180                 | 101.45              | -                       | -                           | 93.82                     | 31.72                         | 8.39                   | 32.48                      | 100                  | 96                      | P                       | V               |
|                                     | *    | 5180                 | 94.05               | -                       | -                           | 86.42                     | 31.72                         | 8.39                   | 32.48                      | 100                  | 96                      | A                       | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |      | 5125.84              | 49.15               | -24.85                  | 74                          | 41.6                      | 31.66                         | 8.37                   | 32.48                      | 100                  | 124                     | P                       | H               |
|                                     |      | 5035.1               | 40.7                | -13.3                   | 54                          | 33.3                      | 31.54                         | 8.33                   | 32.47                      | 100                  | 124                     | A                       | H               |
|                                     | *    | 5220                 | 103.96              | -                       | -                           | 96.31                     | 31.76                         | 8.37                   | 32.48                      | 100                  | 124                     | P                       | H               |
|                                     | *    | 5220                 | 95.26               | -                       | -                           | 87.61                     | 31.76                         | 8.37                   | 32.48                      | 100                  | 124                     | A                       | H               |
|                                     |      | 5407.08              | 48.41               | -25.59                  | 74                          | 40.88                     | 31.98                         | 8.05                   | 32.5                       | 100                  | 124                     | P                       | H               |
|                                     |      | 5405.12              | 43.07               | -10.93                  | 54                          | 35.54                     | 31.98                         | 8.05                   | 32.5                       | 100                  | 124                     | A                       | H               |
|                                     |      | 5143.52              | 49.07               | -24.93                  | 74                          | 41.49                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 97                      | P                       | V               |
|                                     |      | 5035.36              | 40.38               | -13.62                  | 54                          | 32.98                     | 31.54                         | 8.33                   | 32.47                      | 100                  | 97                      | A                       | V               |
|                                     | *    | 5220                 | 100.53              | -                       | -                           | 92.88                     | 31.76                         | 8.37                   | 32.48                      | 100                  | 97                      | P                       | V               |
|                                     | *    | 5220                 | 92.26               | -                       | -                           | 84.61                     | 31.76                         | 8.37                   | 32.48                      | 100                  | 97                      | A                       | V               |
|                                     |      | 5445.16              | 47.01               | -26.99                  | 74                          | 39.34                     | 32.02                         | 8.15                   | 32.5                       | 100                  | 97                      | P                       | V               |
|                                     |      | 5405.4               | 40.84               | -13.16                  | 54                          | 33.31                     | 31.98                         | 8.05                   | 32.5                       | 100                  | 97                      | A                       | V               |



|                                                                 |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5118.04 | 48.59  | -25.41 | 74 | 41.07 | 31.64 | 8.36 | 32.48 | 104 | 124 | P | H |
|                                                                 |                                                                                             | 5054.6  | 40.54  | -13.46 | 54 | 33.09 | 31.58 | 8.34 | 32.47 | 104 | 124 | A | H |
|                                                                 | *                                                                                           | 5240    | 102.63 | -      | -  | 94.99 | 31.78 | 8.34 | 32.48 | 104 | 124 | P | H |
|                                                                 | *                                                                                           | 5240    | 95.18  | -      | -  | 87.54 | 31.78 | 8.34 | 32.48 | 104 | 124 | A | H |
|                                                                 |                                                                                             | 5427.8  | 48.59  | -25.41 | 74 | 40.99 | 32    | 8.1  | 32.5  | 104 | 124 | P | H |
|                                                                 |                                                                                             | 5425.84 | 42.51  | -11.49 | 54 | 34.91 | 32    | 8.1  | 32.5  | 104 | 124 | A | H |
|                                                                 |                                                                                             | 5108.68 | 48.11  | -25.89 | 74 | 40.59 | 31.64 | 8.36 | 32.48 | 100 | 97  | P | V |
|                                                                 |                                                                                             | 5054.34 | 40.2   | -13.8  | 54 | 32.77 | 31.56 | 8.34 | 32.47 | 100 | 97  | A | V |
|                                                                 | *                                                                                           | 5240    | 98.88  | -      | -  | 91.24 | 31.78 | 8.34 | 32.48 | 100 | 97  | P | V |
|                                                                 | *                                                                                           | 5240    | 92.04  | -      | -  | 84.4  | 31.78 | 8.34 | 32.48 | 100 | 97  | A | V |
|                                                                 |                                                                                             | 5425.84 | 47.6   | -26.4  | 74 | 40    | 32    | 8.1  | 32.5  | 100 | 97  | P | V |
|                                                                 |                                                                                             | 5425.84 | 40.52  | -13.48 | 54 | 32.92 | 32    | 8.1  | 32.5  | 100 | 97  | 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                | 44.73               | -29.27                  | 74                          | 59.95                   | 39.49                         | 11.78                  | 66.49                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15540                | 47.41               | -26.59                  | 74                          | 58.68                   | 38.32                         | 15.57                  | 65.16                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 10360                | 44.55               | -29.45                  | 74                          | 59.77                   | 39.49                         | 11.78                  | 66.49                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15540                | 45.09               | -28.91                  | 74                          | 56.36                   | 38.32                         | 15.57                  | 65.16                      | 100                  | 0                       | P                     | V             |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440                | 44.4                | -29.6                   | 74                          | 59.36                   | 39.59                         | 11.84                  | 66.39                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15660                | 46.88               | -27.12                  | 74                          | 58.54                   | 38.06                         | 15.63                  | 65.35                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 10440                | 45.74               | -28.26                  | 74                          | 60.7                    | 39.59                         | 11.84                  | 66.39                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15660                | 47.64               | -26.36                  | 74                          | 59.3                    | 38.06                         | 15.63                  | 65.35                      | 100                  | 0                       | P                     | V             |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480                | 45.33               | -28.67                  | 74                          | 60.09                   | 39.67                         | 11.89                  | 66.32                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15720                | 45.91               | -28.09                  | 74                          | 57.8                    | 37.91                         | 15.66                  | 65.46                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 10480                | 44.14               | -29.86                  | 74                          | 58.9                    | 39.67                         | 11.89                  | 66.32                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15720                | 45.26               | -28.74                  | 74                          | 57.15                   | 37.91                         | 15.66                  | 65.46                      | 100                  | 0                       | P                     | 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 |                                                                                             | 5148.72              | 53.71               | -20.29                  | 74                          | 46.13                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 126                     | P                       | H               |
|                                     |                                                                                             | 5149.5               | 46.89               | -7.11                   | 54                          | 39.31                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 126                     | A                       | H               |
|                                     | *                                                                                           | 5190                 | 98.72               | -                       | -                           | 91.09                     | 31.72                         | 8.39                   | 32.48                      | 100                  | 126                     | P                       | H               |
|                                     | *                                                                                           | 5190                 | 90.06               | -                       | -                           | 82.43                     | 31.72                         | 8.39                   | 32.48                      | 100                  | 126                     | A                       | H               |
|                                     |                                                                                             | 5395.88              | 47.72               | -26.28                  | 74                          | 40.18                     | 31.98                         | 8.05                   | 32.49                      | 100                  | 126                     | P                       | H               |
|                                     |                                                                                             | 5455.24              | 38.99               | -15.01                  | 54                          | 31.26                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 126                     | A                       | H               |
|                                     |                                                                                             | 5149.24              | 52.3                | -21.7                   | 74                          | 44.72                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 96                      | P                       | V               |
|                                     |                                                                                             | 5149.24              | 45.37               | -8.63                   | 54                          | 37.79                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 96                      | A                       | V               |
|                                     | *                                                                                           | 5190                 | 95.02               | -                       | -                           | 87.39                     | 31.72                         | 8.39                   | 32.48                      | 100                  | 96                      | P                       | V               |
|                                     | *                                                                                           | 5190                 | 86.98               | -                       | -                           | 79.35                     | 31.72                         | 8.39                   | 32.48                      | 100                  | 96                      | A                       | V               |
|                                     |                                                                                             | 5355                 | 47.95               | -26.05                  | 74                          | 40.37                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 96                      | P                       | V               |
|                                     |                                                                                             | 5443.2               | 38.74               | -15.26                  | 54                          | 31.07                     | 32.02                         | 8.15                   | 32.5                       | 100                  | 96                      | A                       | V               |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 5108.16              | 48.3                | -25.7                   | 74                          | 40.78                     | 31.64                         | 8.36                   | 32.48                      | 100                  | 124                     | P                       | H               |
|                                     |                                                                                             | 5142.22              | 40.09               | -13.91                  | 54                          | 32.52                     | 31.68                         | 8.37                   | 32.48                      | 100                  | 124                     | A                       | H               |
|                                     | *                                                                                           | 5230                 | 97.17               | -                       | -                           | 89.5                      | 31.78                         | 8.37                   | 32.48                      | 100                  | 124                     | P                       | H               |
|                                     | *                                                                                           | 5230                 | 89.58               | -                       | -                           | 81.91                     | 31.78                         | 8.37                   | 32.48                      | 100                  | 124                     | A                       | H               |
|                                     |                                                                                             | 5362                 | 47.1                | -26.9                   | 74                          | 39.54                     | 31.94                         | 8.11                   | 32.49                      | 100                  | 124                     | P                       | H               |
|                                     |                                                                                             | 5354.72              | 39.23               | -14.77                  | 54                          | 31.65                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 124                     | A                       | H               |
|                                     |                                                                                             | 5138.32              | 48.13               | -25.87                  | 74                          | 40.58                     | 31.66                         | 8.37                   | 32.48                      | 100                  | 96                      | P                       | V               |
|                                     |                                                                                             | 5121.42              | 39.69               | -14.31                  | 54                          | 32.17                     | 31.64                         | 8.36                   | 32.48                      | 100                  | 96                      | A                       | V               |
|                                     | *                                                                                           | 5230                 | 95.08               | -                       | -                           | 87.41                     | 31.78                         | 8.37                   | 32.48                      | 100                  | 96                      | P                       | V               |
|                                     | *                                                                                           | 5230                 | 86.9                | -                       | -                           | 79.23                     | 31.78                         | 8.37                   | 32.48                      | 100                  | 96                      | A                       | V               |
|                                     |                                                                                             | 5375.44              | 46.54               | -27.46                  | 74                          | 38.98                     | 31.94                         | 8.11                   | 32.49                      | 100                  | 96                      | P                       | V               |
|                                     |                                                                                             | 5447.12              | 38.91               | -15.09                  | 54                          | 31.22                     | 32.04                         | 8.15                   | 32.5                       | 100                  | 96                      | 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                | 44.42               | -29.58                  | 74                          | 59.57                   | 39.51                         | 11.8                   | 66.46                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15570                | 43.45               | -30.55                  | 74                          | 54.82                   | 38.25                         | 15.59                  | 65.21                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 10380                | 44.31               | -29.69                  | 74                          | 59.46                   | 39.51                         | 11.8                   | 66.46                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15570                | 43.72               | -30.28                  | 74                          | 55.09                   | 38.25                         | 15.59                  | 65.21                      | 100                  | 0                       | P                     | V             |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460                | 44.88               | -29.12                  | 74                          | 59.77                   | 39.62                         | 11.86                  | 66.37                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15690                | 44.09               | -29.91                  | 74                          | 55.87                   | 37.98                         | 15.64                  | 65.4                       | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 10460                | 44.28               | -29.72                  | 74                          | 59.17                   | 39.62                         | 11.86                  | 66.37                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15690                | 43.29               | -30.71                  | 74                          | 55.07                   | 37.98                         | 15.64                  | 65.4                       | 100                  | 0                       | P                     | V             |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



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

| WIFI<br>Ant.<br>1                               | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac<br/>VHT80<br/>CH 42<br/>5210MHz</b> |                                                                                             | 5143.52              | 55.54               | -18.46                  | 74                          | 47.96                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 121                     | P                       | H               |
|                                                 |                                                                                             | 5149.24              | 48                  | -6                      | 54                          | 40.42                     | 31.68                         | 8.38                   | 32.48                      | 100                  | 121                     | A                       | H               |
|                                                 | *                                                                                           | 5210                 | 95.18               | -                       | -                           | 87.5                      | 31.76                         | 8.4                    | 32.48                      | 100                  | 121                     | P                       | H               |
|                                                 | *                                                                                           | 5210                 | 87.58               | -                       | -                           | 79.9                      | 31.76                         | 8.4                    | 32.48                      | 100                  | 121                     | A                       | H               |
|                                                 |                                                                                             | 5371.8               | 47.98               | -26.02                  | 74                          | 40.42                     | 31.94                         | 8.11                   | 32.49                      | 100                  | 121                     | P                       | H               |
|                                                 |                                                                                             | 5350.52              | 41.36               | -12.64                  | 54                          | 33.78                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 121                     | A                       | H               |
|                                                 |                                                                                             | 5147.42              | 52.52               | -21.48                  | 74                          | 44.94                     | 31.68                         | 8.38                   | 32.48                      | 103                  | 78                      | P                       | V               |
|                                                 |                                                                                             | 5146.64              | 45.81               | -8.19                   | 54                          | 38.23                     | 31.68                         | 8.38                   | 32.48                      | 103                  | 78                      | A                       | V               |
|                                                 | *                                                                                           | 5210                 | 91.08               | -                       | -                           | 83.4                      | 31.76                         | 8.4                    | 32.48                      | 103                  | 78                      | P                       | V               |
|                                                 | *                                                                                           | 5210                 | 83.58               | -                       | -                           | 75.9                      | 31.76                         | 8.4                    | 32.48                      | 103                  | 78                      | A                       | V               |
|                                                 |                                                                                             | 5407.08              | 48.01               | -25.99                  | 74                          | 40.48                     | 31.98                         | 8.05                   | 32.5                       | 103                  | 78                      | P                       | V               |
|                                                 |                                                                                             | 5372.36              | 40.02               | -13.98                  | 54                          | 32.46                     | 31.94                         | 8.11                   | 32.49                      | 103                  | 78                      | 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 802.11ac VHT80 (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) |
|-------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac          |                                                                                             | 10420                | 45.27               | -28.73                  | 74                          | 60.29                   | 39.57                         | 11.83                  | 66.42                      | 100                  | 0                       | P                     | H             |
| VHT80             |                                                                                             | 15630                | 42.89               | -31.11                  | 74                          | 54.5                    | 38.1                          | 15.61                  | 65.32                      | 100                  | 0                       | P                     | H             |
| CH 42             |                                                                                             | 10420                | 45.48               | -28.52                  | 74                          | 60.5                    | 39.57                         | 11.83                  | 66.42                      | 100                  | 0                       | P                     | V             |
| 5210MHz           |                                                                                             | 15630                | 43.07               | -30.93                  | 74                          | 54.68                   | 38.1                          | 15.61                  | 65.32                      | 100                  | 0                       | P                     | 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 |      | 5138.72   | 48.52      | -25.48 | 74         | 40.97    | 31.66    | 8.37   | 32.48  | 100    | 124     | P       | H       |
|                             |      | 5072.08   | 40.23      | -13.77 | 54         | 32.75    | 31.6     | 8.35   | 32.47  | 100    | 124     | A       | H       |
|                             | *    | 5260      | 103.94     | -      | -          | 96.31    | 31.82    | 8.3    | 32.49  | 100    | 124     | P       | H       |
|                             | *    | 5260      | 95.43      | -      | -          | 87.8     | 31.82    | 8.3    | 32.49  | 100    | 124     | A       | H       |
|                             |      | 5447.28   | 48.94      | -25.06 | 74         | 41.25    | 32.04    | 8.15   | 32.5   | 100    | 124     | P       | H       |
|                             |      | 5447.28   | 42.41      | -11.59 | 54         | 34.72    | 32.04    | 8.15   | 32.5   | 100    | 124     | A       | H       |
|                             |      | 5072.76   | 48.28      | -25.72 | 74         | 40.8     | 31.6     | 8.35   | 32.47  | 100    | 96      | P       | V       |
|                             |      | 5072.76   | 40.15      | -13.85 | 54         | 32.67    | 31.6     | 8.35   | 32.47  | 100    | 96      | A       | V       |
|                             | *    | 5260      | 100.43     | -      | -          | 92.8     | 31.82    | 8.3    | 32.49  | 100    | 96      | P       | V       |
|                             | *    | 5260      | 92.12      | -      | -          | 84.49    | 31.82    | 8.3    | 32.49  | 100    | 96      | A       | V       |
|                             |      | 5408.64   | 47.44      | -26.56 | 74         | 39.91    | 31.98    | 8.05   | 32.5   | 100    | 96      | P       | V       |
|                             |      | 5447.28   | 40.23      | -13.77 | 54         | 32.54    | 32.04    | 8.15   | 32.5   | 100    | 96      | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5029.92   | 49.01      | -24.99 | 74         | 41.61    | 31.54    | 8.33   | 32.47  | 100    | 122     | P       | H       |
|                             |      | 5111.52   | 40.53      | -13.47 | 54         | 33.01    | 31.64    | 8.36   | 32.48  | 100    | 122     | A       | H       |
|                             | *    | 5300      | 104.91     | -      | -          | 97.3     | 31.86    | 8.24   | 32.49  | 100    | 122     | P       | H       |
|                             | *    | 5300      | 97.71      | -      | -          | 90.1     | 31.86    | 8.24   | 32.49  | 100    | 122     | A       | H       |
|                             |      | 5353.2    | 52.27      | -21.73 | 74         | 44.69    | 31.92    | 8.15   | 32.49  | 100    | 122     | P       | H       |
|                             |      | 5350.32   | 43.6       | -10.4  | 54         | 36.02    | 31.92    | 8.15   | 32.49  | 100    | 122     | A       | H       |
|                             |      | 5044.88   | 48.44      | -25.56 | 74         | 41.02    | 31.56    | 8.33   | 32.47  | 100    | 96      | P       | V       |
|                             |      | 5111.52   | 40.11      | -13.89 | 54         | 32.59    | 31.64    | 8.36   | 32.48  | 100    | 96      | A       | V       |
|                             | *    | 5300      | 102.11     | -      | -          | 94.5     | 31.86    | 8.24   | 32.49  | 100    | 96      | P       | V       |
|                             | *    | 5300      | 94.71      | -      | -          | 87.1     | 31.86    | 8.24   | 32.49  | 100    | 96      | A       | V       |
|                             |      | 5357.04   | 49.6       | -24.4  | 74         | 42.02    | 31.92    | 8.15   | 32.49  | 100    | 96      | P       | V       |
|                             |      | 5350.08   | 41.37      | -12.63 | 54         | 33.79    | 31.92    | 8.15   | 32.49  | 100    | 96      | A       | V       |



|                                                  |                                                                                                                                                  |         |       |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                                                                                | 5320    | 104   | -      | -  | 96.4  | 31.88 | 8.21 | 32.49 | 100 | 125 | P | H |
|                                                  | *                                                                                                                                                | 5320    | 97    | -      | -  | 89.4  | 31.88 | 8.21 | 32.49 | 100 | 125 | A | H |
|                                                  |                                                                                                                                                  | 5350.56 | 55.59 | -18.41 | 74 | 48.01 | 31.92 | 8.15 | 32.49 | 100 | 125 | P | H |
|                                                  |                                                                                                                                                  | 5350.88 | 45.16 | -8.84  | 54 | 37.58 | 31.92 | 8.15 | 32.49 | 100 | 125 | A | H |
|                                                  | *                                                                                                                                                | 5320    | 101   | -      | -  | 93.4  | 31.88 | 8.21 | 32.49 | 100 | 97  | P | V |
|                                                  | *                                                                                                                                                | 5320    | 93.9  | -      | -  | 86.3  | 31.88 | 8.21 | 32.49 | 100 | 97  | A | V |
|                                                  |                                                                                                                                                  | 5368.32 | 52.09 | -21.91 | 74 | 44.53 | 31.94 | 8.11 | 32.49 | 100 | 97  | P | V |
|                                                  |                                                                                                                                                  | 5351.36 | 43.18 | -10.82 | 54 | 35.6  | 31.92 | 8.15 | 32.49 | 100 | 97  | A | V |
| <b>Remark</b>                                    | <ol style="list-style-type: none"><li>1. No other spurious found.</li><li>2. All results are PASS against Peak and Average limit line.</li></ol> |         |       |        |    |       |       |      |       |     |     |   |   |



## 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                  | -29                     | 74                          | 59.68                     | 39.71                         | 11.92                  | 66.31                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15780                | 49.85               | -24.15                  | 74                          | 61.91                     | 37.79                         | 15.69                  | 65.54                      | 100                  | 91                      | P                       | H               |
|                             |                                                                                             | 15780                | 38.69               | -15.31                  | 54                          | 50.75                     | 37.79                         | 15.69                  | 65.54                      | 100                  | 91                      | A                       | H               |
|                             |                                                                                             | 10520                | 44.94               | -29.06                  | 74                          | 59.62                     | 39.71                         | 11.92                  | 66.31                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15780                | 46.83               | -27.17                  | 74                          | 58.89                     | 37.79                         | 15.69                  | 65.54                      | 100                  | 0                       | P                       | V               |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600                | 45.22               | -28.78                  | 74                          | 59.8                      | 39.78                         | 11.98                  | 66.34                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15900                | 45.84               | -28.16                  | 74                          | 58.29                     | 37.53                         | 15.75                  | 65.73                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 10600                | 45.19               | -28.81                  | 74                          | 59.77                     | 39.78                         | 11.98                  | 66.34                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15900                | 43.09               | -30.91                  | 74                          | 55.54                     | 37.53                         | 15.75                  | 65.73                      | 100                  | 0                       | P                       | V               |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640                | 43.95               | -30.05                  | 74                          | 58.49                     | 39.81                         | 12.01                  | 66.36                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15960                | 43.95               | -30.05                  | 74                          | 56.63                     | 37.38                         | 15.78                  | 65.84                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 10640                | 44.24               | -29.76                  | 74                          | 58.78                     | 39.81                         | 12.01                  | 66.36                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15960                | 43.67               | -30.33                  | 74                          | 56.35                     | 37.38                         | 15.78                  | 65.84                      | 100                  | 0                       | P                       | 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 |      | 5073.1               | 47.82               | -26.18                  | 74                          | 40.34                     | 31.6                          | 8.35                   | 32.47                      | 100                  | 125                     | P                       | H               |
|                                     |      | 5073.44              | 40.7                | -13.3                   | 54                          | 33.22                     | 31.6                          | 8.35                   | 32.47                      | 100                  | 125                     | A                       | H               |
|                                     | *    | 5260                 | 103.74              | -                       | -                           | 96.11                     | 31.82                         | 8.3                    | 32.49                      | 100                  | 125                     | P                       | H               |
|                                     | *    | 5260                 | 96.44               | -                       | -                           | 88.81                     | 31.82                         | 8.3                    | 32.49                      | 100                  | 125                     | A                       | H               |
|                                     |      | 5446.32              | 49.44               | -24.56                  | 74                          | 41.75                     | 32.04                         | 8.15                   | 32.5                       | 100                  | 125                     | P                       | H               |
|                                     |      | 5447.04              | 42.45               | -11.55                  | 54                          | 34.76                     | 32.04                         | 8.15                   | 32.5                       | 100                  | 125                     | A                       | H               |
|                                     |      | 5005.44              | 49.34               | -24.66                  | 74                          | 41.97                     | 31.52                         | 8.32                   | 32.47                      | 100                  | 97                      | P                       | V               |
|                                     |      | 5073.44              | 40.19               | -13.81                  | 54                          | 32.71                     | 31.6                          | 8.35                   | 32.47                      | 100                  | 97                      | A                       | V               |
|                                     | *    | 5260                 | 100.24              | -                       | -                           | 92.61                     | 31.82                         | 8.3                    | 32.49                      | 100                  | 97                      | P                       | V               |
|                                     | *    | 5260                 | 93.14               | -                       | -                           | 85.51                     | 31.82                         | 8.3                    | 32.49                      | 100                  | 97                      | A                       | V               |
|                                     |      | 5449.68              | 48.52               | -25.48                  | 74                          | 40.79                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 97                      | P                       | V               |
|                                     |      | 5446.8               | 40.66               | -13.34                  | 54                          | 32.97                     | 32.04                         | 8.15                   | 32.5                       | 100                  | 97                      | A                       | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |      | 5089.76              | 48.8                | -25.2                   | 74                          | 41.29                     | 31.62                         | 8.36                   | 32.47                      | 100                  | 124                     | P                       | H               |
|                                     |      | 5112.2               | 40.23               | -13.77                  | 54                          | 32.71                     | 31.64                         | 8.36                   | 32.48                      | 100                  | 124                     | A                       | H               |
|                                     | *    | 5300                 | 103.61              | -                       | -                           | 96                        | 31.86                         | 8.24                   | 32.49                      | 100                  | 124                     | P                       | H               |
|                                     | *    | 5300                 | 96.51               | -                       | -                           | 88.9                      | 31.86                         | 8.24                   | 32.49                      | 100                  | 124                     | A                       | H               |
|                                     |      | 5353.44              | 48.77               | -25.23                  | 74                          | 41.19                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 124                     | P                       | H               |
|                                     |      | 5353.44              | 41.44               | -12.56                  | 54                          | 33.86                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 124                     | A                       | H               |
|                                     |      | 5087.72              | 48.48               | -25.52                  | 74                          | 41                        | 31.6                          | 8.35                   | 32.47                      | 100                  | 97                      | P                       | V               |
|                                     |      | 5111.18              | 39.85               | -14.15                  | 54                          | 32.33                     | 31.64                         | 8.36                   | 32.48                      | 100                  | 97                      | A                       | V               |
|                                     | *    | 5300                 | 100.61              | -                       | -                           | 93                        | 31.86                         | 8.24                   | 32.49                      | 100                  | 97                      | P                       | V               |
|                                     | *    | 5300                 | 93.21               | -                       | -                           | 85.6                      | 31.86                         | 8.24                   | 32.49                      | 100                  | 97                      | A                       | V               |
|                                     |      | 5376.24              | 47.94               | -26.06                  | 74                          | 40.41                     | 31.94                         | 8.08                   | 32.49                      | 100                  | 97                      | P                       | V               |
|                                     |      | 5350.56              | 40.11               | -13.89                  | 54                          | 32.53                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 97                      | A                       | V               |



|                                                                             |                                                                                             |         |       |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|-------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 64</b><br><br><b>5320MHz</b> | *                                                                                           | 5320    | 104.4 | -      | -  | 96.8  | 31.88 | 8.21 | 32.49 | 100 | 123 | P | H |
|                                                                             | *                                                                                           | 5320    | 96.9  | -      | -  | 89.3  | 31.88 | 8.21 | 32.49 | 100 | 123 | A | H |
|                                                                             |                                                                                             | 5350.08 | 58.3  | -15.7  | 74 | 50.72 | 31.92 | 8.15 | 32.49 | 100 | 123 | P | H |
|                                                                             |                                                                                             | 5350.56 | 47.66 | -6.34  | 54 | 40.08 | 31.92 | 8.15 | 32.49 | 100 | 123 | A | H |
|                                                                             | *                                                                                           | 5320    | 100.3 | -      | -  | 92.7  | 31.88 | 8.21 | 32.49 | 100 | 97  | P | V |
|                                                                             | *                                                                                           | 5320    | 93.3  | -      | -  | 85.7  | 31.88 | 8.21 | 32.49 | 100 | 97  | A | V |
|                                                                             |                                                                                             | 5351.84 | 53.01 | -20.99 | 74 | 45.43 | 31.92 | 8.15 | 32.49 | 100 | 97  | P | V |
|                                                                             |                                                                                             | 5350.08 | 43.81 | -10.19 | 54 | 36.23 | 31.92 | 8.15 | 32.49 | 100 | 97  | A | 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           |                                                                                             | 10520                | 45.76               | -28.24                  | 74                          | 60.44                   | 39.71                         | 11.92                  | 66.31                      | 100                  | 0                       | P                     | H             |
| HT20              |                                                                                             | 15780                | 47.96               | -26.04                  | 74                          | 60.02                   | 37.79                         | 15.69                  | 65.54                      | 100                  | 0                       | P                     | H             |
| CH 52             |                                                                                             | 10520                | 44.87               | -29.13                  | 74                          | 59.55                   | 39.71                         | 11.92                  | 66.31                      | 100                  | 0                       | P                     | V             |
| 5260MHz           |                                                                                             | 15780                | 46.29               | -27.71                  | 74                          | 58.35                   | 37.79                         | 15.69                  | 65.54                      | 100                  | 0                       | P                     | V             |
| 802.11n           |                                                                                             | 10600                | 44.86               | -29.14                  | 74                          | 59.44                   | 39.78                         | 11.98                  | 66.34                      | 100                  | 0                       | P                     | H             |
| HT20              |                                                                                             | 15900                | 46                  | -28                     | 74                          | 58.45                   | 37.53                         | 15.75                  | 65.73                      | 100                  | 0                       | P                     | H             |
| CH 60             |                                                                                             | 10600                | 45.47               | -28.53                  | 74                          | 60.05                   | 39.78                         | 11.98                  | 66.34                      | 100                  | 0                       | P                     | V             |
| 5300MHz           |                                                                                             | 15900                | 43.59               | -30.41                  | 74                          | 56.04                   | 37.53                         | 15.75                  | 65.73                      | 100                  | 0                       | P                     | V             |
| 802.11n           |                                                                                             | 10640                | 43.74               | -30.26                  | 74                          | 58.28                   | 39.81                         | 12.01                  | 66.36                      | 100                  | 0                       | P                     | H             |
| HT20              |                                                                                             | 15960                | 42.28               | -31.72                  | 74                          | 54.96                   | 37.38                         | 15.78                  | 65.84                      | 100                  | 0                       | P                     | H             |
| CH 64             |                                                                                             | 10640                | 45.17               | -28.83                  | 74                          | 59.71                   | 39.81                         | 12.01                  | 66.36                      | 100                  | 0                       | P                     | V             |
| 5320MHz           |                                                                                             | 15960                | 41.36               | -32.64                  | 74                          | 54.04                   | 37.38                         | 15.78                  | 65.84                      | 100                  | 0                       | P                     | 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 |                                                                                             | 5048.96              | 48.36               | -25.64                  | 74                          | 40.94                     | 31.56                         | 8.33                   | 32.47                      | 100                  | 124                     | P                       | H               |
|                                     |                                                                                             | 5114.92              | 39.7                | -14.3                   | 54                          | 32.18                     | 31.64                         | 8.36                   | 32.48                      | 100                  | 124                     | A                       | H               |
|                                     | *                                                                                           | 5270                 | 98.71               | -                       | -                           | 91.11                     | 31.82                         | 8.27                   | 32.49                      | 100                  | 124                     | P                       | H               |
|                                     | *                                                                                           | 5270                 | 91.61               | -                       | -                           | 84.01                     | 31.82                         | 8.27                   | 32.49                      | 100                  | 124                     | A                       | H               |
|                                     |                                                                                             | 5355.12              | 48.03               | -25.97                  | 74                          | 40.45                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 124                     | P                       | H               |
|                                     |                                                                                             | 5364                 | 40.29               | -13.71                  | 54                          | 32.73                     | 31.94                         | 8.11                   | 32.49                      | 100                  | 124                     | A                       | H               |
|                                     |                                                                                             | 5127.16              | 47.49               | -26.51                  | 74                          | 39.94                     | 31.66                         | 8.37                   | 32.48                      | 100                  | 95                      | P                       | V               |
|                                     |                                                                                             | 5124.1               | 39.61               | -14.39                  | 54                          | 32.07                     | 31.66                         | 8.36                   | 32.48                      | 100                  | 95                      | A                       | V               |
|                                     | *                                                                                           | 5270                 | 95.61               | -                       | -                           | 88.01                     | 31.82                         | 8.27                   | 32.49                      | 100                  | 95                      | P                       | V               |
|                                     | *                                                                                           | 5270                 | 87.91               | -                       | -                           | 80.31                     | 31.82                         | 8.27                   | 32.49                      | 100                  | 95                      | A                       | V               |
|                                     |                                                                                             | 5401.44              | 47.95               | -26.05                  | 74                          | 40.42                     | 31.98                         | 8.05                   | 32.5                       | 100                  | 95                      | P                       | V               |
|                                     |                                                                                             | 5352                 | 39.36               | -14.64                  | 54                          | 31.78                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 95                      | A                       | V               |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 5069.02              | 48.21               | -25.79                  | 74                          | 40.76                     | 31.58                         | 8.34                   | 32.47                      | 100                  | 123                     | P                       | H               |
|                                     |                                                                                             | 5121.38              | 39.59               | -14.41                  | 54                          | 32.07                     | 31.64                         | 8.36                   | 32.48                      | 100                  | 123                     | A                       | H               |
|                                     | *                                                                                           | 5310                 | 99                  | -                       | -                           | 91.4                      | 31.88                         | 8.21                   | 32.49                      | 100                  | 123                     | P                       | H               |
|                                     | *                                                                                           | 5310                 | 91.3                | -                       | -                           | 83.7                      | 31.88                         | 8.21                   | 32.49                      | 100                  | 123                     | A                       | H               |
|                                     |                                                                                             | 5352                 | 52.62               | -21.38                  | 74                          | 45.04                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 123                     | P                       | H               |
|                                     |                                                                                             | 5350.32              | 44.97               | -9.03                   | 54                          | 37.39                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 123                     | A                       | H               |
|                                     |                                                                                             | 5081.6               | 48.56               | -25.44                  | 74                          | 41.08                     | 31.6                          | 8.35                   | 32.47                      | 100                  | 96                      | P                       | V               |
|                                     |                                                                                             | 5092.82              | 39.56               | -14.44                  | 54                          | 32.06                     | 31.62                         | 8.36                   | 32.48                      | 100                  | 96                      | A                       | V               |
|                                     | *                                                                                           | 5310                 | 95.4                | -                       | -                           | 87.8                      | 31.88                         | 8.21                   | 32.49                      | 100                  | 96                      | P                       | V               |
|                                     | *                                                                                           | 5310                 | 88                  | -                       | -                           | 80.4                      | 31.88                         | 8.21                   | 32.49                      | 100                  | 96                      | A                       | V               |
|                                     |                                                                                             | 5354.16              | 48.18               | -25.82                  | 74                          | 40.6                      | 31.92                         | 8.15                   | 32.49                      | 100                  | 96                      | P                       | V               |
|                                     |                                                                                             | 5350.32              | 42.13               | -11.87                  | 54                          | 34.55                     | 31.92                         | 8.15                   | 32.49                      | 100                  | 96                      | 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                | 44.01               | -29.99                  | 74                          | 58.66                   | 39.73                         | 11.93                  | 66.31                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15810                | 43.07               | -30.93                  | 74                          | 55.24                   | 37.72                         | 15.71                  | 65.6                       | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 10540                | 44.53               | -29.47                  | 74                          | 59.18                   | 39.73                         | 11.93                  | 66.31                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15810                | 42.49               | -31.51                  | 74                          | 54.66                   | 37.72                         | 15.71                  | 65.6                       | 100                  | 0                       | P                     | V             |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 10620                | 44.16               | -29.84                  | 74                          | 58.72                   | 39.8                          | 11.99                  | 66.35                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15930                | 42.48               | -31.52                  | 74                          | 55.05                   | 37.45                         | 15.77                  | 65.79                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 10620                | 43.85               | -30.15                  | 74                          | 58.41                   | 39.8                          | 11.99                  | 66.35                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15930                | 41.5                | -32.5                   | 74                          | 54.07                   | 37.45                         | 15.77                  | 65.79                      | 100                  | 0                       | P                     | V             |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5129.2               | 49.98               | -24.02                  | 74                          | 42.43                   | 31.66                         | 8.37                   | 32.48                      | 100                  | 117                     | P                     | H             |
|                                       |                                                                                             | 5141.78              | 40.98               | -13.02                  | 54                          | 33.41                   | 31.68                         | 8.37                   | 32.48                      | 100                  | 117                     | A                     | H             |
|                                       | *                                                                                           | 5290                 | 94.19               | -                       | -                           | 86.6                    | 31.84                         | 8.24                   | 32.49                      | 100                  | 117                     | P                     | H             |
|                                       | *                                                                                           | 5290                 | 87.09               | -                       | -                           | 79.5                    | 31.84                         | 8.24                   | 32.49                      | 100                  | 117                     | A                     | H             |
|                                       |                                                                                             | 5352.24              | 53.18               | -20.82                  | 74                          | 45.6                    | 31.92                         | 8.15                   | 32.49                      | 100                  | 117                     | P                     | H             |
|                                       |                                                                                             | 5352                 | 46.57               | -7.43                   | 54                          | 38.99                   | 31.92                         | 8.15                   | 32.49                      | 100                  | 117                     | A                     | H             |
|                                       |                                                                                             | 5142.12              | 48.6                | -25.4                   | 74                          | 41.03                   | 31.68                         | 8.37                   | 32.48                      | 100                  | 98                      | P                     | V             |
|                                       |                                                                                             | 5057.12              | 40.67               | -13.33                  | 54                          | 33.22                   | 31.58                         | 8.34                   | 32.47                      | 100                  | 98                      | A                     | V             |
|                                       | *                                                                                           | 5290                 | 90.49               | -                       | -                           | 82.9                    | 31.84                         | 8.24                   | 32.49                      | 100                  | 98                      | P                     | V             |
|                                       | *                                                                                           | 5290                 | 83.39               | -                       | -                           | 75.8                    | 31.84                         | 8.24                   | 32.49                      | 100                  | 98                      | A                     | V             |
|                                       |                                                                                             | 5401.68              | 48.76               | -25.24                  | 74                          | 41.23                   | 31.98                         | 8.05                   | 32.5                       | 100                  | 98                      | P                     | V             |
|                                       |                                                                                             | 5353.92              | 42.54               | -11.46                  | 54                          | 34.96                   | 31.92                         | 8.15                   | 32.49                      | 100                  | 98                      | A                     | V             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

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

| WIFI<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) |
|-------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac          |                                                                                             | 10580                | 45.06               | -28.94                  | 74                          | 59.66                   | 39.77                         | 11.96                  | 66.33                      | 100                  | 0                       | P                     | H             |
| VHT80             |                                                                                             | 15870                | 41.53               | -32.47                  | 74                          | 53.93                   | 37.57                         | 15.74                  | 65.71                      | 100                  | 0                       | P                     | H             |
| CH 58             |                                                                                             | 10580                | 44.36               | -29.64                  | 74                          | 58.96                   | 39.77                         | 11.96                  | 66.33                      | 100                  | 0                       | P                     | V             |
| 5290MHz           |                                                                                             | 15870                | 42.64               | -31.36                  | 74                          | 55.04                   | 37.57                         | 15.74                  | 65.71                      | 100                  | 0                       | P                     | V             |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 3 - 5470~5725MHz

## WIFI 802.11a (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 |      | 5456.72   | 55.8       | -18.2  | 74         | 48.07    | 32.04    | 8.19   | 32.5   | 100    | 122     | P       | H       |
|                              |      | 5464.24   | 57.32      | -10.88 | 68.2       | 49.57    | 32.06    | 8.19   | 32.5   | 100    | 122     | P       | H       |
|                              |      | 5459.6    | 45.6       | -8.4   | 54         | 37.87    | 32.04    | 8.19   | 32.5   | 100    | 122     | P       | H       |
|                              | *    | 5500      | 105.34     | -      | -          | 97.45    | 32.1     | 8.29   | 32.5   | 100    | 122     | P       | H       |
|                              | *    | 5500      | 98.26      | -      | -          | 90.37    | 32.1     | 8.29   | 32.5   | 100    | 122     | A       | H       |
|                              |      | 5459.12   | 49.24      | -24.76 | 74         | 41.51    | 32.04    | 8.19   | 32.5   | 100    | 67      | P       | V       |
|                              |      | 5468.24   | 51.44      | -16.76 | 68.2       | 43.64    | 32.06    | 8.24   | 32.5   | 100    | 67      | P       | V       |
|                              |      | 5458.48   | 41.47      | -12.53 | 54         | 33.74    | 32.04    | 8.19   | 32.5   | 100    | 67      | P       | V       |
|                              | *    | 5500      | 98         | -      | -          | 90.11    | 32.1     | 8.29   | 32.5   | 100    | 67      | P       | V       |
|                              | *    | 5500      | 90.91      | -      | -          | 83.02    | 32.1     | 8.29   | 32.5   | 100    | 67      | A       | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5454.4    | 47.53      | -26.47 | 74         | 39.8     | 32.04    | 8.19   | 32.5   | 100    | 123     | P       | H       |
|                              |      | 5469.52   | 45.91      | -22.29 | 68.2       | 38.11    | 32.06    | 8.24   | 32.5   | 100    | 123     | P       | H       |
|                              |      | 5380.72   | 40.1       | -13.9  | 54         | 32.55    | 31.96    | 8.08   | 32.49  | 100    | 123     | A       | H       |
|                              | *    | 5580      | 105.66     | -      | -          | 97.5     | 32.17    | 8.53   | 32.54  | 100    | 123     | P       | H       |
|                              | *    | 5580      | 98.78      | -      | -          | 90.62    | 32.17    | 8.53   | 32.54  | 100    | 123     | A       | H       |
|                              |      | 5734.13   | 49.84      | -18.36 | 68.2       | 41.1     | 32.32    | 9.01   | 32.59  | 100    | 123     | P       | H       |
|                              |      | 5399.44   | 46.36      | -27.64 | 74         | 38.83    | 31.98    | 8.05   | 32.5   | 108    | 53      | P       | V       |
|                              |      | 5467.12   | 46.61      | -21.59 | 68.2       | 38.81    | 32.06    | 8.24   | 32.5   | 108    | 53      | P       | V       |
|                              |      | 5458.48   | 38.78      | -15.22 | 54         | 31.05    | 32.04    | 8.19   | 32.5   | 108    | 53      | A       | V       |
|                              | *    | 5580      | 97.37      | -      | -          | 89.21    | 32.17    | 8.53   | 32.54  | 108    | 53      | P       | V       |
|                              | *    | 5580      | 89.9       | -      | -          | 81.74    | 32.17    | 8.53   | 32.54  | 108    | 53      | A       | V       |
|                              |      | 5736.965  | 49.44      | -18.76 | 68.2       | 40.62    | 32.34    | 9.07   | 32.59  | 108    | 53      | P       | V       |



|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   |   |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 106.39 | -      | -    | 97.72 | 32.29 | 8.95 | 32.57 | 100 | 209 | P | H |
|                                       | *                                                                                           | 5700    | 97.9   | -      | -    | 89.23 | 32.29 | 8.95 | 32.57 | 100 | 209 | A | H |
|                                       |                                                                                             | 5725    | 61.19  | -7.01  | 68.2 | 52.44 | 32.32 | 9.01 | 32.58 | 100 | 209 | P | H |
|                                       | *                                                                                           | 5700    | 101.47 | -      | -    | 92.8  | 32.29 | 8.95 | 32.57 | 106 | 52  | P | V |
|                                       | *                                                                                           | 5700    | 93.28  | -      | -    | 84.61 | 32.29 | 8.95 | 32.57 | 106 | 52  | A | V |
|                                       |                                                                                             | 5726.12 | 54.63  | -13.57 | 68.2 | 45.88 | 32.32 | 9.01 | 32.58 | 106 | 52  | 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 802.11a (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                | 45.01               | -28.99                  | 74                          | 59.1                    | 40.1                          | 12.31                  | 66.5                       | 100                  | 0                       | P                     | H             |
|                              |                                                                                             | 16500                | 43.82               | -24.38                  | 68.2                        | 55.22                   | 38.8                          | 16.2                   | 66.4                       | 100                  | 0                       | P                     | H             |
|                              |                                                                                             | 11000                | 44.57               | -29.43                  | 74                          | 58.66                   | 40.1                          | 12.31                  | 66.5                       | 100                  | 0                       | P                     | V             |
|                              |                                                                                             | 16500                | 43.01               | -25.19                  | 68.2                        | 54.41                   | 38.8                          | 16.2                   | 66.4                       | 100                  | 0                       | P                     | V             |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160                | 45.6                | -28.4                   | 74                          | 59.55                   | 40                            | 12.45                  | 66.4                       | 100                  | 0                       | P                     | H             |
|                              |                                                                                             | 16740                | 44.21               | -23.99                  | 68.2                        | 54.85                   | 39.33                         | 16.38                  | 66.35                      | 100                  | 0                       | P                     | H             |
|                              |                                                                                             | 11160                | 44.26               | -29.74                  | 74                          | 58.21                   | 40                            | 12.45                  | 66.4                       | 100                  | 0                       | P                     | V             |
|                              |                                                                                             | 16740                | 44                  | -24.2                   | 68.2                        | 54.64                   | 39.33                         | 16.38                  | 66.35                      | 100                  | 0                       | P                     | V             |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400                | 43.49               | -30.51                  | 74                          | 57.23                   | 39.86                         | 12.66                  | 66.26                      | 100                  | 0                       | P                     | H             |
|                              |                                                                                             | 17100                | 46.76               | -21.44                  | 68.2                        | 55.9                    | 40.38                         | 16.66                  | 66.18                      | 100                  | 0                       | P                     | H             |
|                              |                                                                                             | 11400                | 43.55               | -30.45                  | 74                          | 57.29                   | 39.86                         | 12.66                  | 66.26                      | 100                  | 0                       | P                     | V             |
|                              |                                                                                             | 17100                | 46.32               | -21.88                  | 68.2                        | 55.46                   | 40.38                         | 16.66                  | 66.18                      | 100                  | 0                       | P                     | V             |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - 5470~5725MHz**  
**WIFI 802.11n 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 100<br>5500MHz |      | 5456.24              | 53.75               | -20.25                  | 74                          | 46.02                   | 32.04                         | 8.19                   | 32.5                       | 104                  | 124                     | P                     | H             |
|                                      |      | 5465.04              | 53.25               | -14.95                  | 68.2                        | 45.5                    | 32.06                         | 8.19                   | 32.5                       | 104                  | 124                     | P                     | H             |
|                                      |      | 5460                 | 43.67               | -10.33                  | 54                          | 35.94                   | 32.04                         | 8.19                   | 32.5                       | 104                  | 124                     | A                     | H             |
|                                      | *    | 5500                 | 104.94              | -                       | -                           | 97.05                   | 32.1                          | 8.29                   | 32.5                       | 104                  | 124                     | P                     | H             |
|                                      | *    | 5500                 | 97.87               | -                       | -                           | 89.98                   | 32.1                          | 8.29                   | 32.5                       | 104                  | 124                     | A                     | H             |
|                                      |      | 5377.2               | 48.48               | -25.52                  | 74                          | 40.95                   | 31.94                         | 8.08                   | 32.49                      | 107                  | 96                      | P                     | V             |
|                                      |      | 5464.56              | 51.97               | -16.23                  | 68.2                        | 44.22                   | 32.06                         | 8.19                   | 32.5                       | 107                  | 96                      | P                     | V             |
|                                      |      | 5458.64              | 40.83               | -13.17                  | 54                          | 33.1                    | 32.04                         | 8.19                   | 32.5                       | 107                  | 96                      | A                     | V             |
|                                      | *    | 5500                 | 99.06               | -                       | -                           | 91.17                   | 32.1                          | 8.29                   | 32.5                       | 107                  | 96                      | P                     | V             |
|                                      | *    | 5500                 | 91.72               | -                       | -                           | 83.83                   | 32.1                          | 8.29                   | 32.5                       | 107                  | 96                      | A                     | V             |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |      | 5357.92              | 47.55               | -26.45                  | 74                          | 39.97                   | 31.92                         | 8.15                   | 32.49                      | 100                  | 122                     | P                     | H             |
|                                      |      | 5469.04              | 47.16               | -21.04                  | 68.2                        | 39.36                   | 32.06                         | 8.24                   | 32.5                       | 100                  | 122                     | P                     | H             |
|                                      |      | 5381.2               | 40.19               | -13.81                  | 54                          | 32.64                   | 31.96                         | 8.08                   | 32.49                      | 100                  | 122                     | A                     | H             |
|                                      | *    | 5580                 | 106.28              | -                       | -                           | 98.12                   | 32.17                         | 8.53                   | 32.54                      | 100                  | 122                     | P                     | H             |
|                                      | *    | 5580                 | 98.01               | -                       | -                           | 89.85                   | 32.17                         | 8.53                   | 32.54                      | 100                  | 122                     | A                     | H             |
|                                      |      | 5735.075             | 48.71               | -19.49                  | 68.2                        | 39.95                   | 32.34                         | 9.01                   | 32.59                      | 100                  | 122                     | P                     | H             |
|                                      |      | 5357.44              | 46.59               | -27.41                  | 74                          | 39.01                   | 31.92                         | 8.15                   | 32.49                      | 109                  | 53                      | P                     | V             |
|                                      |      | 5463.52              | 46.42               | -21.78                  | 68.2                        | 38.67                   | 32.06                         | 8.19                   | 32.5                       | 109                  | 53                      | P                     | V             |
|                                      |      | 5437.12              | 38.73               | -15.27                  | 54                          | 31.06                   | 32.02                         | 8.15                   | 32.5                       | 109                  | 53                      | A                     | V             |
|                                      | *    | 5580                 | 95.62               | -                       | -                           | 87.46                   | 32.17                         | 8.53                   | 32.54                      | 109                  | 53                      | P                     | V             |
|                                      | *    | 5580                 | 89.01               | -                       | -                           | 80.85                   | 32.17                         | 8.53                   | 32.54                      | 109                  | 53                      | A                     | V             |
|                                      |      | 5746.1               | 49                  | -19.2                   | 68.2                        | 40.18                   | 32.34                         | 9.07                   | 32.59                      | 109                  | 53                      | P                     | V             |



|                                                                  |                                                                                             |         |        |        |      |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 104.71 | -      | -    | 96.04 | 32.29 | 8.95 | 32.57 | 118 | 189 | P | H |
|                                                                  | *                                                                                           | 5700    | 97.77  | -      | -    | 89.1  | 32.29 | 8.95 | 32.57 | 118 | 189 | A | H |
|                                                                  |                                                                                             | 5727.08 | 57.82  | -10.38 | 68.2 | 49.07 | 32.32 | 9.01 | 32.58 | 118 | 189 | P | H |
|                                                                  | *                                                                                           | 5700    | 99.87  | -      | -    | 91.2  | 32.29 | 8.95 | 32.57 | 105 | 52  | P | V |
|                                                                  | *                                                                                           | 5700    | 92.19  | -      | -    | 83.52 | 32.29 | 8.95 | 32.57 | 105 | 52  | A | V |
|                                                                  |                                                                                             | 5730.28 | 53.01  | -15.19 | 68.2 | 44.27 | 32.32 | 9.01 | 32.59 | 105 | 52  | 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 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                | 43.88               | -30.12                  | 74                          | 57.97                   | 40.1                          | 12.31                  | 66.5                       | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 16500                | 43.78               | -24.42                  | 68.2                        | 55.18                   | 38.8                          | 16.2                   | 66.4                       | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 11000                | 45.43               | -28.57                  | 74                          | 59.52                   | 40.1                          | 12.31                  | 66.5                       | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             | 16500                | 43.25               | -24.95                  | 68.2                        | 54.65                   | 38.8                          | 16.2                   | 66.4                       | 100                  | 0                       | P                     | V             |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160                | 44.41               | -29.59                  | 74                          | 58.36                   | 40                            | 12.45                  | 66.4                       | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 16740                | 44.85               | -23.35                  | 68.2                        | 55.49                   | 39.33                         | 16.38                  | 66.35                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 11160                | 44.33               | -29.67                  | 74                          | 58.28                   | 40                            | 12.45                  | 66.4                       | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             | 16740                | 44.25               | -23.95                  | 68.2                        | 54.89                   | 39.33                         | 16.38                  | 66.35                      | 100                  | 0                       | P                     | V             |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400                | 43.02               | -30.98                  | 74                          | 56.76                   | 39.86                         | 12.66                  | 66.26                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 17100                | 45.59               | -22.61                  | 68.2                        | 54.73                   | 40.38                         | 16.66                  | 66.18                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             | 11400                | 44.33               | -29.67                  | 74                          | 58.07                   | 39.86                         | 12.66                  | 66.26                      | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             | 17100                | 46                  | -22.2                   | 68.2                        | 55.14                   | 40.38                         | 16.66                  | 66.18                      | 100                  | 0                       | P                     | V             |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - 5470~5725MHz**  
**WIFI 802.11n 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> |      | 5444.56              | 47.65               | -26.35                  | 74                          | 39.98                     | 32.02                         | 8.15                   | 32.5                       | 100                  | 122                     | P                       | H               |
|                                                |      | 5469.52              | 51.6                | -16.6                   | 68.2                        | 43.8                      | 32.06                         | 8.24                   | 32.5                       | 100                  | 122                     | P                       | H               |
|                                                |      | 5459.68              | 42.36               | -11.64                  | 54                          | 34.63                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 122                     | A                       | H               |
|                                                | *    | 5510                 | 99.03               | -                       | -                           | 91.1                      | 32.1                          | 8.34                   | 32.51                      | 100                  | 122                     | P                       | H               |
|                                                | *    | 5510                 | 91.74               | -                       | -                           | 83.81                     | 32.1                          | 8.34                   | 32.51                      | 100                  | 122                     | A                       | H               |
|                                                |      | 5732.555             | 48.55               | -19.65                  | 68.2                        | 39.81                     | 32.32                         | 9.01                   | 32.59                      | 100                  | 122                     | P                       | H               |
|                                                |      | 5458.24              | 48.4                | -25.6                   | 74                          | 40.67                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 96                      | P                       | V               |
|                                                |      | 5468.32              | 48.67               | -19.53                  | 68.2                        | 40.87                     | 32.06                         | 8.24                   | 32.5                       | 100                  | 96                      | P                       | V               |
|                                                |      | 5448.88              | 40.32               | -13.68                  | 54                          | 32.59                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 96                      | A                       | V               |
|                                                | *    | 5510                 | 92.63               | -                       | -                           | 84.7                      | 32.1                          | 8.34                   | 32.51                      | 100                  | 96                      | P                       | V               |
|                                                | *    | 5510                 | 85.62               | -                       | -                           | 77.69                     | 32.1                          | 8.34                   | 32.51                      | 100                  | 96                      | A                       | V               |
|                                                |      | 5741.375             | 49.72               | -18.48                  | 68.2                        | 40.9                      | 32.34                         | 9.07                   | 32.59                      | 100                  | 96                      | P                       | V               |
| <b>802.11n<br/>HT40<br/>CH 110<br/>5550MHz</b> |      | 5459.44              | 48.14               | -25.86                  | 74                          | 40.41                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 122                     | P                       | H               |
|                                                |      | 5467.36              | 47.19               | -21.01                  | 68.2                        | 39.39                     | 32.06                         | 8.24                   | 32.5                       | 100                  | 122                     | P                       | H               |
|                                                |      | 5452.72              | 40.61               | -13.39                  | 54                          | 32.88                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 122                     | A                       | H               |
|                                                | *    | 5550                 | 100.27              | -                       | -                           | 92.2                      | 32.15                         | 8.44                   | 32.52                      | 100                  | 122                     | P                       | H               |
|                                                | *    | 5550                 | 92.37               | -                       | -                           | 84.3                      | 32.15                         | 8.44                   | 32.52                      | 100                  | 122                     | A                       | H               |
|                                                |      | 5738.225             | 49.37               | -18.83                  | 68.2                        | 40.55                     | 32.34                         | 9.07                   | 32.59                      | 100                  | 122                     | P                       | H               |
|                                                |      | 5459.68              | 47.46               | -26.54                  | 74                          | 39.73                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 95                      | P                       | V               |
|                                                |      | 5460.4               | 46.24               | -21.96                  | 68.2                        | 38.51                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 95                      | P                       | V               |
|                                                |      | 5448.4               | 39.81               | -14.19                  | 54                          | 32.08                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 95                      | A                       | V               |
|                                                | *    | 5550                 | 91.6                | -                       | -                           | 83.53                     | 32.15                         | 8.44                   | 32.52                      | 100                  | 95                      | P                       | V               |
|                                                | *    | 5550                 | 83.88               | -                       | -                           | 75.81                     | 32.15                         | 8.44                   | 32.52                      | 100                  | 95                      | A                       | V               |
|                                                |      | 5749.25              | 48.21               | -19.99                  | 68.2                        | 39.39                     | 32.34                         | 9.07                   | 32.59                      | 100                  | 95                      | P                       | V               |



|                                                                  |                                                                                             |          |       |        |      |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|-------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5445.2   | 47.22 | -26.78 | 74   | 39.55 | 32.02 | 8.15 | 32.5  | 100 | 175 | P | H |
|                                                                  |                                                                                             | 5463.75  | 46.16 | -22.04 | 68.2 | 38.41 | 32.06 | 8.19 | 32.5  | 100 | 175 | P | H |
|                                                                  |                                                                                             | 5454.65  | 39.52 | -14.48 | 54   | 31.79 | 32.04 | 8.19 | 32.5  | 100 | 175 | A | H |
|                                                                  | *                                                                                           | 5670     | 101.6 | -      | -    | 93.06 | 32.27 | 8.83 | 32.56 | 100 | 175 | P | H |
|                                                                  | *                                                                                           | 5670     | 93.06 | -      | -    | 84.52 | 32.27 | 8.83 | 32.56 | 100 | 175 | A | H |
|                                                                  |                                                                                             | 5734.025 | 51.01 | -17.19 | 68.2 | 42.27 | 32.32 | 9.01 | 32.59 | 100 | 175 | P | H |
|                                                                  |                                                                                             | 5415.45  | 46.64 | -27.36 | 74   | 39.04 | 32    | 8.1  | 32.5  | 100 | 53  | P | V |
|                                                                  |                                                                                             | 5462.35  | 47.75 | -20.45 | 68.2 | 40.02 | 32.04 | 8.19 | 32.5  | 100 | 53  | P | V |
|                                                                  |                                                                                             | 5454.3   | 39.53 | -14.47 | 54   | 31.8  | 32.04 | 8.19 | 32.5  | 100 | 53  | A | V |
|                                                                  | *                                                                                           | 5670     | 93.97 | -      | -    | 85.43 | 32.27 | 8.83 | 32.56 | 100 | 53  | P | V |
|                                                                  | *                                                                                           | 5670     | 86.35 | -      | -    | 77.81 | 32.27 | 8.83 | 32.56 | 100 | 53  | A | V |
|                                                                  |                                                                                             | 5746.45  | 51.16 | -17.04 | 68.2 | 42.34 | 32.34 | 9.07 | 32.59 | 100 | 53  | 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           |                                                                                             | 11020                | 45.41               | -28.59                  | 74                          | 59.47                     | 40.09                         | 12.34                  | 66.49                      | 100                  | 0                       | P                       | H               |
| HT40              |                                                                                             | 16530                | 43.42               | -24.78                  | 68.2                        | 54.72                     | 38.88                         | 16.21                  | 66.39                      | 100                  | 0                       | P                       | H               |
| CH 102            |                                                                                             | 11020                | 43.7                | -30.3                   | 74                          | 57.76                     | 40.09                         | 12.34                  | 66.49                      | 100                  | 0                       | P                       | V               |
| 5510MHz           |                                                                                             | 16530                | 43.73               | -24.47                  | 68.2                        | 55.03                     | 38.88                         | 16.21                  | 66.39                      | 100                  | 0                       | P                       | V               |
| 802.11n           |                                                                                             | 11100                | 44.4                | -29.6                   | 74                          | 58.4                      | 40.04                         | 12.4                   | 66.44                      | 100                  | 0                       | P                       | H               |
| HT40              |                                                                                             | 16650                | 43.35               | -24.85                  | 68.2                        | 54.27                     | 39.14                         | 16.31                  | 66.37                      | 100                  | 0                       | P                       | H               |
| CH 110            |                                                                                             | 11100                | 44.47               | -29.53                  | 74                          | 58.47                     | 40.04                         | 12.4                   | 66.44                      | 100                  | 0                       | P                       | V               |
| 5550MHz           |                                                                                             | 16650                | 44.67               | -23.53                  | 68.2                        | 55.59                     | 39.14                         | 16.31                  | 66.37                      | 100                  | 0                       | P                       | V               |
| 802.11n           |                                                                                             | 11340                | 44.75               | -29.25                  | 74                          | 58.55                     | 39.9                          | 12.6                   | 66.3                       | 100                  | 0                       | P                       | H               |
| HT40              |                                                                                             | 17010                | 44.56               | -23.64                  | 68.2                        | 54.27                     | 39.98                         | 16.59                  | 66.28                      | 100                  | 0                       | P                       | H               |
| CH 134            |                                                                                             | 11340                | 44.57               | -29.43                  | 74                          | 58.37                     | 39.9                          | 12.6                   | 66.3                       | 100                  | 0                       | P                       | V               |
| 5670MHz           |                                                                                             | 17010                | 44.88               | -23.32                  | 68.2                        | 54.59                     | 39.98                         | 16.59                  | 66.28                      | 100                  | 0                       | P                       | V               |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5448.4               | 50.45               | -23.55                  | 74                          | 42.72                     | 32.04                         | 8.19                   | 32.5                       | 112                  | 123                     | P                       | H               |
|                                        |                                                                                             | 5462.56              | 51.9                | -16.3                   | 68.2                        | 44.15                     | 32.06                         | 8.19                   | 32.5                       | 112                  | 123                     | P                       | H               |
|                                        |                                                                                             | 5459.68              | 45.22               | -8.78                   | 54                          | 37.49                     | 32.04                         | 8.19                   | 32.5                       | 112                  | 123                     | A                       | H               |
|                                        | *                                                                                           | 5530                 | 96.77               | -                       | -                           | 88.78                     | 32.12                         | 8.39                   | 32.52                      | 112                  | 123                     | P                       | H               |
|                                        | *                                                                                           | 5530                 | 88.97               | -                       | -                           | 80.98                     | 32.12                         | 8.39                   | 32.52                      | 112                  | 123                     | A                       | H               |
|                                        |                                                                                             | 5725.94              | 48.92               | -19.28                  | 68.2                        | 40.17                     | 32.32                         | 9.01                   | 32.58                      | 112                  | 123                     | P                       | H               |
|                                        |                                                                                             | 5454.4               | 48.2                | -25.8                   | 74                          | 40.47                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 96                      | P                       | V               |
|                                        |                                                                                             | 5468.32              | 51.58               | -16.62                  | 68.2                        | 43.78                     | 32.06                         | 8.24                   | 32.5                       | 100                  | 96                      | P                       | V               |
|                                        |                                                                                             | 5457.76              | 42.2                | -11.8                   | 54                          | 34.47                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 96                      | A                       | V               |
|                                        | *                                                                                           | 5530                 | 89.61               | -                       | -                           | 81.62                     | 32.12                         | 8.39                   | 32.52                      | 100                  | 96                      | P                       | V               |
|                                        | *                                                                                           | 5530                 | 81.3                | -                       | -                           | 73.31                     | 32.12                         | 8.39                   | 32.52                      | 100                  | 96                      | A                       | V               |
|                                        |                                                                                             | 5743.895             | 48.57               | -19.63                  | 68.2                        | 39.75                     | 32.34                         | 9.07                   | 32.59                      | 100                  | 96                      | P                       | V               |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5449.05              | 49.07               | -24.93                  | 74                          | 41.34                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 119                     | P                       | H               |
|                                        |                                                                                             | 5464.1               | 48.21               | -19.99                  | 68.2                        | 40.46                     | 32.06                         | 8.19                   | 32.5                       | 100                  | 119                     | P                       | H               |
|                                        |                                                                                             | 5452.9               | 41.81               | -12.19                  | 54                          | 34.08                     | 32.04                         | 8.19                   | 32.5                       | 100                  | 119                     | A                       | H               |
|                                        | *                                                                                           | 5610                 | 96.7                | -                       | -                           | 88.4                      | 32.2                          | 8.64                   | 32.54                      | 100                  | 119                     | P                       | H               |
|                                        | *                                                                                           | 5610                 | 90                  | -                       | -                           | 81.7                      | 32.2                          | 8.64                   | 32.54                      | 100                  | 119                     | A                       | H               |
|                                        |                                                                                             | 5749.95              | 50.42               | -17.78                  | 68.2                        | 41.6                      | 32.34                         | 9.07                   | 32.59                      | 100                  | 119                     | P                       | H               |
|                                        |                                                                                             | 5446.6               | 47.02               | -26.98                  | 74                          | 39.33                     | 32.04                         | 8.15                   | 32.5                       | 327                  | 72                      | P                       | V               |
|                                        |                                                                                             | 5463.75              | 47.64               | -20.56                  | 68.2                        | 39.89                     | 32.06                         | 8.19                   | 32.5                       | 327                  | 72                      | P                       | V               |
|                                        |                                                                                             | 5453.25              | 39.98               | -14.02                  | 54                          | 32.25                     | 32.04                         | 8.19                   | 32.5                       | 327                  | 72                      | A                       | V               |
|                                        | *                                                                                           | 5610                 | 92.5                | -                       | -                           | 84.2                      | 32.2                          | 8.64                   | 32.54                      | 327                  | 72                      | P                       | V               |
|                                        | *                                                                                           | 5610                 | 85.8                | -                       | -                           | 77.5                      | 32.2                          | 8.64                   | 32.54                      | 327                  | 72                      | A                       | V               |
|                                        |                                                                                             | 5749.95              | 49.54               | -18.66                  | 68.2                        | 40.72                     | 32.34                         | 9.07                   | 32.59                      | 327                  | 72                      | P                       | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

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

| WIFI<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) |
|-------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac          |                                                                                             | 11060                | 46.11               | -27.89                  | 74                          | 60.14                   | 40.06                         | 12.37                  | 66.46                      | 100                  | 0                       | P                     | H             |
| VHT80             |                                                                                             | 16590                | 43.06               | -25.14                  | 68.2                        | 54.18                   | 38.99                         | 16.27                  | 66.38                      | 100                  | 0                       | P                     | H             |
| CH 106            |                                                                                             | 11060                | 45.63               | -28.37                  | 74                          | 59.66                   | 40.06                         | 12.37                  | 66.46                      | 100                  | 0                       | P                     | V             |
| 5530MHz           |                                                                                             | 16590                | 43.66               | -24.54                  | 68.2                        | 54.78                   | 38.99                         | 16.27                  | 66.38                      | 100                  | 0                       | P                     | V             |
| 802.11ac          |                                                                                             | 11220                | 44.49               | -29.51                  | 74                          | 58.38                   | 39.97                         | 12.51                  | 66.37                      | 100                  | 0                       | P                     | H             |
| VHT80             |                                                                                             | 16830                | 44.06               | -24.14                  | 68.2                        | 54.42                   | 39.52                         | 16.45                  | 66.33                      | 100                  | 0                       | P                     | H             |
| CH 122            |                                                                                             | 11220                | 44.13               | -29.87                  | 74                          | 58.02                   | 39.97                         | 12.51                  | 66.37                      | 100                  | 0                       | P                     | V             |
| 5610MHz           |                                                                                             | 16830                | 44.26               | -23.94                  | 68.2                        | 54.62                   | 39.52                         | 16.45                  | 66.33                      | 100                  | 0                       | P                     | V             |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



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

| WIFI                                              | 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) |
| <b>802.11a</b><br><b>CH 144</b><br><b>5720MHz</b> | *                                                                                           | 5720      | 106.74     | -      | -          | 97.99  | 32.32    | 9.01   | 32.58  | 100    | 224     | P     | H     |
|                                                   | *                                                                                           | 5720      | 99.35      | -      | -          | 90.6   | 32.32    | 9.01   | 32.58  | 100    | 224     | A     | H     |
|                                                   | *                                                                                           | 5720      | 101.34     | -      | -          | 92.59  | 32.32    | 9.01   | 32.58  | 100    | 52      | P     | V     |
|                                                   | *                                                                                           | 5720      | 94.34      | -      | -          | 85.59  | 32.32    | 9.01   | 32.58  | 100    | 52      | A     | V     |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



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

| WIFI<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>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 11440                | 43.85               | -30.15                  | 74                          | 57.56                   | 39.84                         | 12.69                  | 66.24                      | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             | 17160                | 45.51               | -22.69                  | 68.2                        | 54.21                   | 40.7                          | 16.7                   | 66.1                       | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             | 11440                | 44.04               | -29.96                  | 74                          | 57.75                   | 39.84                         | 12.69                  | 66.24                      | 100                  | 0                       | P                     | V             |
|                                       |                                                                                             | 17160                | 44.96               | -23.24                  | 68.2                        | 53.66                   | 40.7                          | 16.7                   | 66.1                       | 100                  | 0                       | P                     | V             |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11n HT20 (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           | *                                                                                           | 5700                 | 106.41              | -                       | -                           | 97.74                   | 32.29                         | 8.95                   | 32.57                      | 120                  | 192                     | P                     | H             |
| HT20              | *                                                                                           | 5700                 | 99.19               | -                       | -                           | 90.52                   | 32.29                         | 8.95                   | 32.57                      | 120                  | 192                     | A                     | H             |
| CH 144            | *                                                                                           | 5700                 | 100.87              | -                       | -                           | 92.2                    | 32.29                         | 8.95                   | 32.57                      | 105                  | 52                      | P                     | V             |
| 5720MHz           | *                                                                                           | 5700                 | 93.62               | -                       | -                           | 84.95                   | 32.29                         | 8.95                   | 32.57                      | 105                  | 52                      | A                     | V             |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11n HT20 (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) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11n<br/>HT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 11440                | 43.51               | -30.49                  | 74                          | 57.22                   | 39.84                         | 12.69                  | 66.24                      | 100                  | 0                       | P                     | H             |
|                                                |                                                                                             | 17160                | 46                  | -22.2                   | 68.2                        | 54.7                    | 40.7                          | 16.7                   | 66.1                       | 100                  | 0                       | P                     | H             |
|                                                |                                                                                             | 11440                | 43.59               | -30.41                  | 74                          | 57.3                    | 39.84                         | 12.69                  | 66.24                      | 100                  | 0                       | P                     | V             |
|                                                |                                                                                             | 17160                | 44.6                | -23.6                   | 68.2                        | 53.3                    | 40.7                          | 16.7                   | 66.1                       | 100                  | 0                       | P                     | V             |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11n HT40 (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           | *                                                                                           | 5710                 | 101.46              | -                       | -                           | 92.78                     | 32.31                         | 8.95                   | 32.58                      | 100                  | 191                     | P                       | H               |
| HT40              | *                                                                                           | 5710                 | 94.31               | -                       | -                           | 85.63                     | 32.31                         | 8.95                   | 32.58                      | 100                  | 191                     | A                       | H               |
| CH 142            | *                                                                                           | 5710                 | 96.33               | -                       | -                           | 87.65                     | 32.31                         | 8.95                   | 32.58                      | 100                  | 52                      | P                       | V               |
| 5710MHz           | *                                                                                           | 5710                 | 89.19               | -                       | -                           | 80.51                     | 32.31                         | 8.95                   | 32.58                      | 100                  | 52                      | A                       | V               |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 3 - Straddle Channel**  
**WIFI 802.11n HT40 (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 ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 11420                | 45.21               | -28.79                  | 74                          | 58.93                     | 39.85                         | 12.68                  | 66.25                      | 100                  | 0                       | P                       | H               |
|                                                |                                                                                             | 17130                | 45.92               | -22.28                  | 68.2                        | 54.83                     | 40.54                         | 16.69                  | 66.14                      | 100                  | 0                       | P                       | H               |
|                                                |                                                                                             | 11420                | 45.26               | -28.74                  | 74                          | 58.98                     | 39.85                         | 12.68                  | 66.25                      | 100                  | 0                       | P                       | V               |
|                                                |                                                                                             | 17130                | 44.81               | -23.39                  | 68.2                        | 53.72                     | 40.54                         | 16.69                  | 66.14                      | 100                  | 0                       | P                       | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT80 (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) |
|-------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac          | *                                                                                           | 5690                 | 98.22               | -                       | -                           | 89.61                   | 32.29                         | 8.89                   | 32.57                      | 100                  | 208                     | P                     | H             |
| VHT80             | *                                                                                           | 5690                 | 91.43               | -                       | -                           | 82.82                   | 32.29                         | 8.89                   | 32.57                      | 100                  | 208                     | A                     | H             |
| CH 138            | *                                                                                           | 5690                 | 92.32               | -                       | -                           | 83.71                   | 32.29                         | 8.89                   | 32.57                      | 100                  | 52                      | P                     | V             |
| 5690MHz           | *                                                                                           | 5690                 | 85.45               | -                       | -                           | 76.84                   | 32.29                         | 8.89                   | 32.57                      | 100                  | 52                      | A                     | V             |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT80 (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) |
|-------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac          |                                                                                             | 11380                | 44.27               | -29.73                  | 74                          | 58.02                   | 39.87                         | 12.65                  | 66.27                      | 100                  | 0                       | P                     | H             |
| VHT80             |                                                                                             | 17070                | 44.44               | -23.76                  | 68.2                        | 53.81                   | 40.22                         | 16.63                  | 66.22                      | 100                  | 0                       | P                     | H             |
| CH 138            |                                                                                             | 11380                | 44.15               | -29.85                  | 74                          | 57.9                    | 39.87                         | 12.65                  | 66.27                      | 100                  | 0                       | P                     | V             |
| 5690MHz           |                                                                                             | 17070                | 44.53               | -23.67                  | 68.2                        | 53.9                    | 40.22                         | 16.63                  | 66.22                      | 100                  | 0                       | P                     | V             |
| Remark            | 3. No other spurious found.<br>4. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 - Emission below 1GHz

## WIFI 802.11ac VHT80 (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) |
| 802.11a<br>LF |                                                                            | 106.14    | 29.89      | -13.61 | 43.5       | 44.67  | 16.64    | 1.29   | 32.71  | -      | -       | P     | H     |
|               |                                                                            | 196.05    | 31.87      | -11.63 | 43.5       | 47.72  | 14.91    | 1.88   | 32.64  | 100    | 0       | P     | H     |
|               |                                                                            | 216.57    | 27.64      | -18.36 | 46         | 43.12  | 15.21    | 1.94   | 32.63  | -      | -       | P     | H     |
|               |                                                                            | 616.4     | 27.36      | -18.64 | 46         | 31.13  | 25.83    | 3.21   | 32.81  | -      | -       | P     | H     |
|               |                                                                            | 748.7     | 30.15      | -15.85 | 46         | 31.11  | 28.26    | 3.5    | 32.72  | -      | -       | P     | H     |
|               |                                                                            | 864.2     | 31.59      | -14.41 | 46         | 30.92  | 29.16    | 3.8    | 32.29  | -      | -       | P     | H     |
|               |                                                                            | 44.31     | 29.83      | -10.17 | 40         | 44.83  | 16.86    | 0.9    | 32.76  | 100    | 0       | P     | V     |
|               |                                                                            | 57.54     | 28.12      | -11.88 | 40         | 47.68  | 12.18    | 1.01   | 32.75  | -      | -       | P     | V     |
|               |                                                                            | 196.32    | 29.01      | -14.49 | 43.5       | 44.86  | 14.91    | 1.88   | 32.64  | -      | -       | P     | V     |
|               |                                                                            | 449.8     | 25.29      | -20.71 | 46         | 32.16  | 23.06    | 2.69   | 32.62  | -      | -       | P     | V     |
|               |                                                                            | 648.6     | 28.7       | -17.3  | 46         | 31.77  | 26.45    | 3.28   | 32.8   | -      | -       | P     | V     |
|               |                                                                            | 835.5     | 31.34      | -14.66 | 46         | 31.44  | 28.61    | 3.74   | 32.45  | -      | -       | P     | V     |
| Remark        | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## Band 2 - 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 |                                                                            | 102.36    | 29.92      | -13.58 | 43.5       | 45.02    | 16.32    | 1.29   | 32.71  | -      | -       | P       | H       |
|                       |                                                                            | 195.78    | 31.87      | -11.63 | 43.5       | 47.72    | 14.91    | 1.88   | 32.64  | 100    | 0       | P       | H       |
|                       |                                                                            | 213.06    | 28.73      | -14.77 | 43.5       | 44.25    | 15.17    | 1.94   | 32.63  | -      | -       | P       | H       |
|                       |                                                                            | 533.1     | 24.45      | -21.55 | 46         | 30.04    | 24.12    | 2.99   | 32.7   | -      | -       | P       | H       |
|                       |                                                                            | 750.8     | 30.06      | -15.94 | 46         | 31       | 28.27    | 3.5    | 32.71  | -      | -       | P       | H       |
|                       |                                                                            | 850.9     | 31.93      | -14.07 | 46         | 31.52    | 28.98    | 3.79   | 32.36  | -      | -       | P       | H       |
|                       |                                                                            | 44.58     | 29.02      | -10.98 | 40         | 44.02    | 16.86    | 0.9    | 32.76  | 100    | 0       | P       | V       |
|                       |                                                                            | 51.6      | 27.94      | -12.06 | 40         | 45.82    | 13.96    | 0.92   | 32.76  | -      | -       | P       | V       |
|                       |                                                                            | 103.17    | 23.1       | -20.4  | 43.5       | 38.2     | 16.32    | 1.29   | 32.71  | -      | -       | P       | V       |
|                       |                                                                            | 560.4     | 26.64      | -19.36 | 46         | 30.18    | 26.11    | 3.1    | 32.75  | -      | -       | P       | V       |
|                       |                                                                            | 734.7     | 29.28      | -16.72 | 46         | 30.66    | 27.89    | 3.46   | 32.73  | -      | -       | P       | V       |
|                       |                                                                            | 823.6     | 30.81      | -15.19 | 46         | 31.37    | 28.27    | 3.69   | 32.52  | -      | -       | P       | V       |
| Remark                | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Emission below 1GHz

## WIFI 802.11a (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>HT40<br>LF |                                                                            | 99.93     | 28.53      | -14.97 | 43.5       | 44.03    | 15.92    | 1.29   | 32.71  | -      | -       | P       | H       |
|                       |                                                                            | 196.32    | 31.71      | -11.79 | 43.5       | 47.56    | 14.91    | 1.88   | 32.64  | 100    | 0       | P       | H       |
|                       |                                                                            | 214.95    | 28.53      | -14.97 | 43.5       | 44.02    | 15.2     | 1.94   | 32.63  | -      | -       | P       | H       |
|                       |                                                                            | 560.4     | 26.79      | -19.21 | 46         | 30.33    | 26.11    | 3.1    | 32.75  | -      | -       | P       | H       |
|                       |                                                                            | 727.7     | 28.64      | -17.36 | 46         | 30.37    | 27.55    | 3.46   | 32.74  | -      | -       | P       | H       |
|                       |                                                                            | 889.4     | 32.52      | -13.48 | 46         | 31.74    | 29.04    | 3.89   | 32.15  | -      | -       | P       | H       |
|                       |                                                                            | 44.04     | 30.08      | -9.92  | 40         | 44.56    | 17.38    | 0.9    | 32.76  | 100    | 0       | P       | V       |
|                       |                                                                            | 57.54     | 27.93      | -12.07 | 40         | 47.49    | 12.18    | 1.01   | 32.75  | -      | -       | P       | V       |
|                       |                                                                            | 196.05    | 28.6       | -14.9  | 43.5       | 44.45    | 14.91    | 1.88   | 32.64  | -      | -       | P       | V       |
|                       |                                                                            | 438.6     | 23.05      | -22.95 | 46         | 30.12    | 22.87    | 2.68   | 32.62  | -      | -       | P       | V       |
|                       |                                                                            | 585.6     | 27.97      | -18.03 | 46         | 32.08    | 25.55    | 3.13   | 32.79  | -      | -       | P       | V       |
|                       |                                                                            | 837.6     | 30.76      | -15.24 | 46         | 30.75    | 28.7     | 3.75   | 32.44  | -      | -       | P       | 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

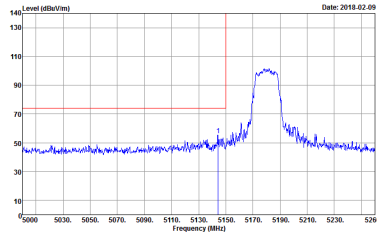
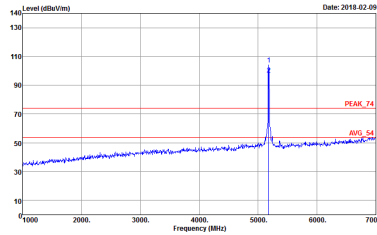
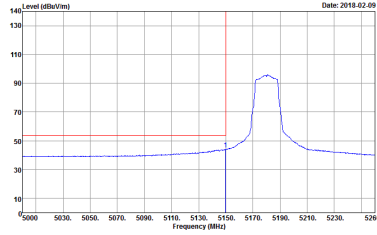
|                        |                                       |                            |         |
|------------------------|---------------------------------------|----------------------------|---------|
| <b>Test Engineer :</b> | Yun Huang, Daniel Lee, and J.C. Liang | <b>Temperature :</b>       | 18~22°C |
|                        |                                       | <b>Relative Humidity :</b> | 48~52%  |

### Note symbol

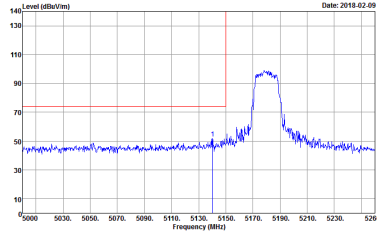
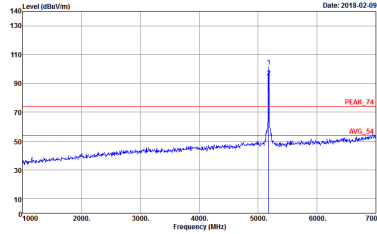
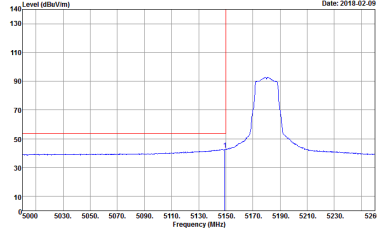
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



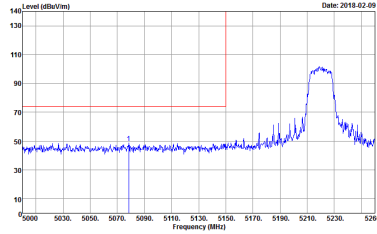
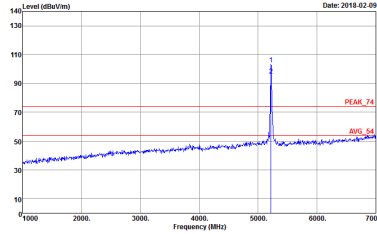
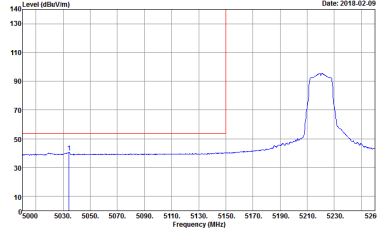
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 1</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 1</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 1</p>   | Left blank                                                                                                                                                                                                                                               |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1</p></div>    | Left blank                                                                                                                                                                                                                                                                |

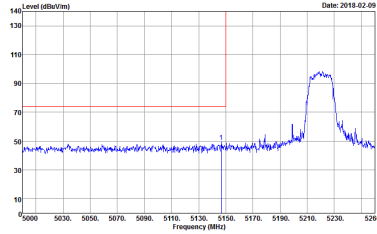
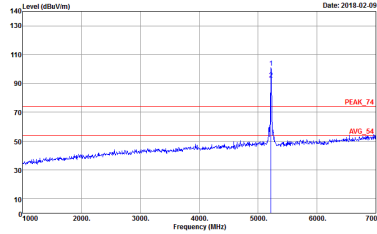
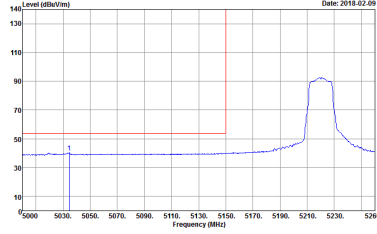


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div>    | Left blank                                                                                                                                                                                                                                                                  |

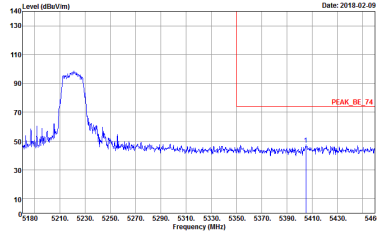
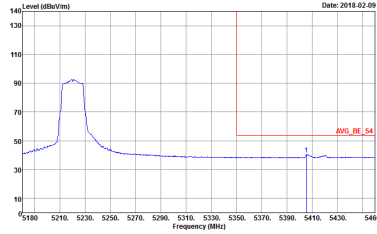


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                   |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                             |             |
| 1    | Horizontal                                                                                                                           | Fundamental |
| Peak | <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 2</p> | Left blank  |
| Avg. | <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 2</p>  | Left blank  |

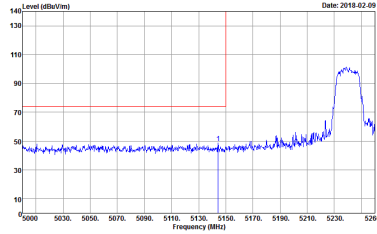
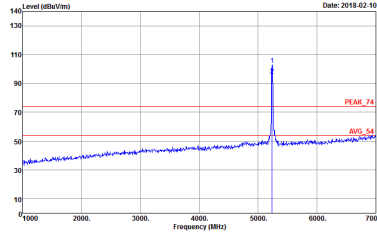
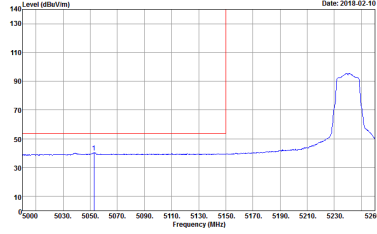


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div>    | Left blank                                                                                                                                                                                                                                                                |

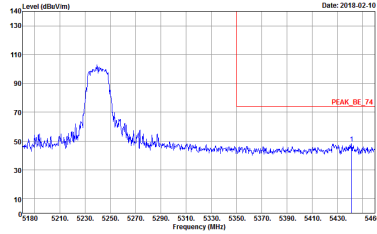
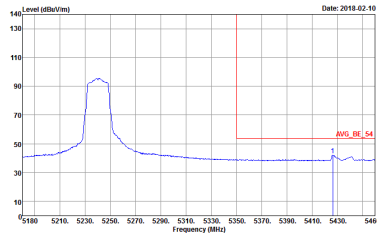


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                                    |             |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div>    | Left blank  |

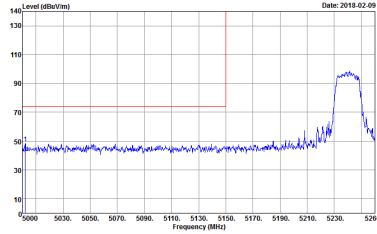
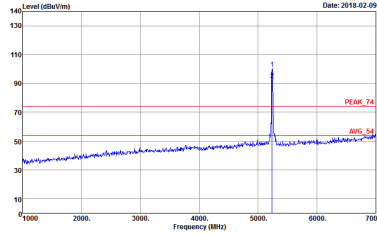
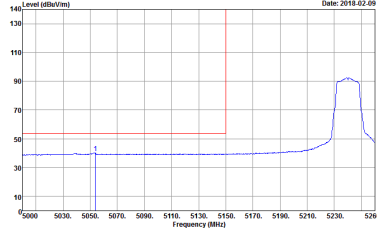


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div>    | Left blank                                                                                                                                                                                                                                                                  |

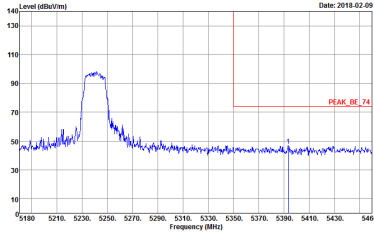
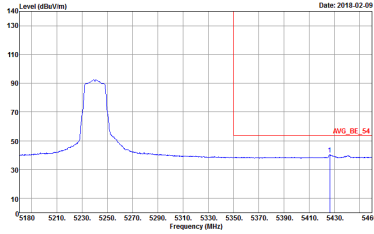


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                                      |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div>   | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 3</p></div>   | Left blank                                                                                                                                                                                                                                                                |



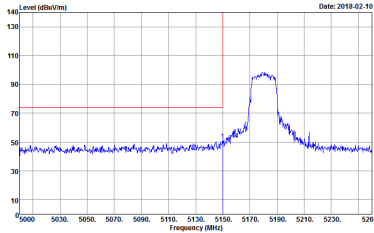
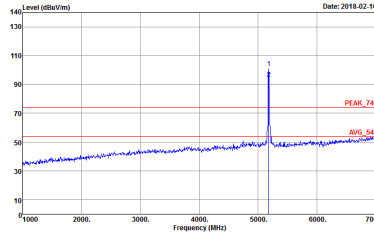
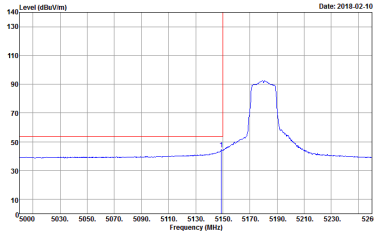
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                                    |             |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 3</p></div>    | Left blank  |



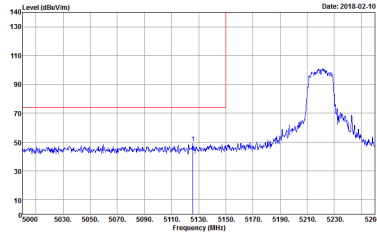
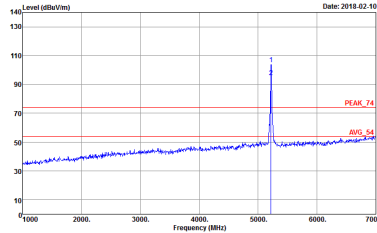
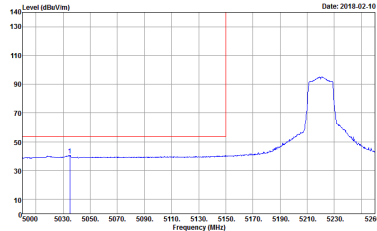
Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                       |                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                |                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                               | Fundamental                                                                                                                                                           |
| Peak | <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 4</p> | <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 4</p> |
| Avg. | <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 4</p>      | Left blank                                                                                                                                                            |

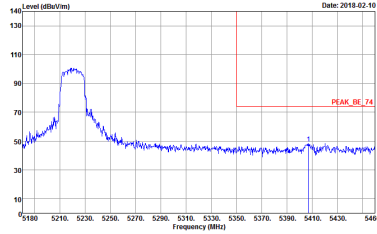
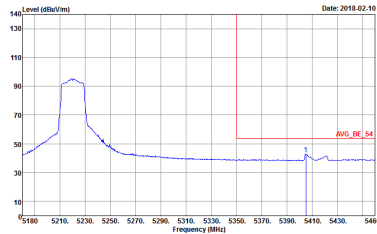


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 4</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 4</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 4</p></div>    | Left blank                                                                                                                                                                                                                                                                |

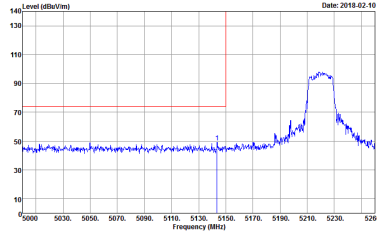
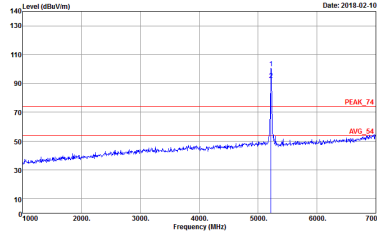
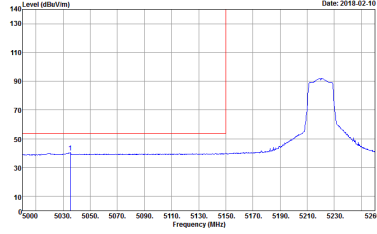


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 5</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 5</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 5</p></div>    | Left blank                                                                                                                                                                                                                                                                  |

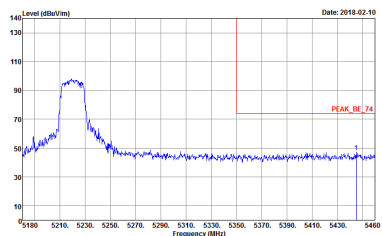
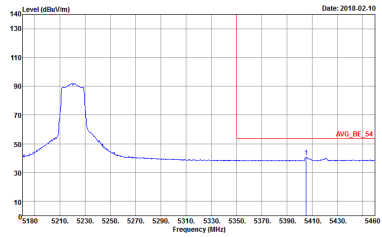


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 5</p></div> | Left blank  |

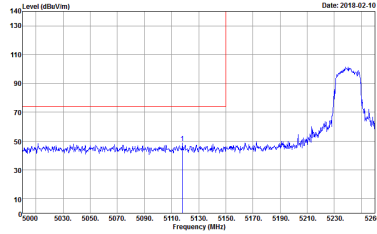
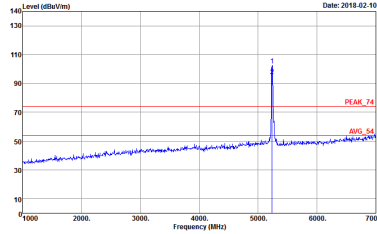
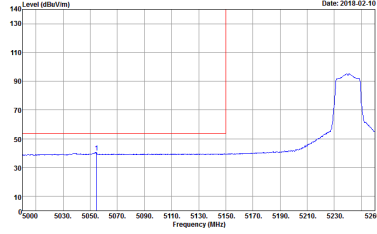


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 5</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 5</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 5</p></div>    | Left blank                                                                                                                                                                                                                                                                |

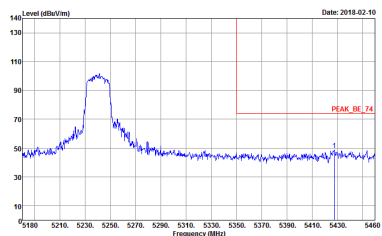
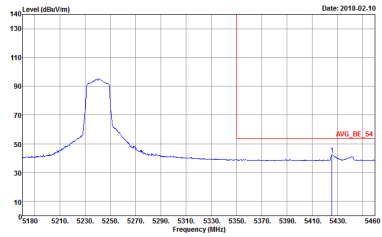


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 5</p> | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 5</p>    | Left blank  |

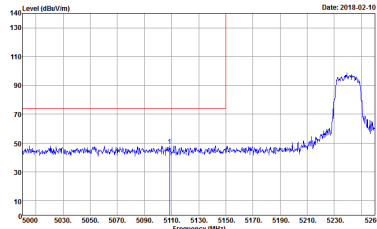
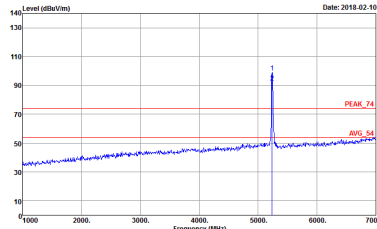
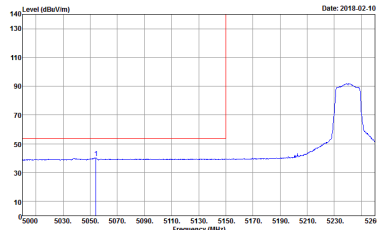


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p></div>    | Left blank                                                                                                                                                                                                                                                                  |

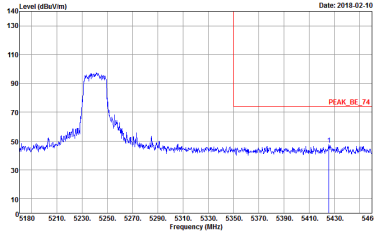
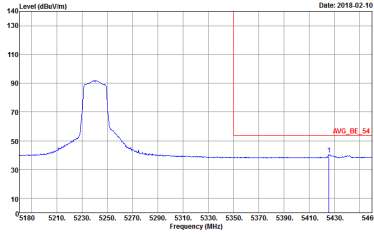


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                      |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                           |             |
| 1    | Horizontal                                                                                                                                                                                                              | Fundamental |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p>  | Left blank  |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p> |
| Avg. |  <p>Site : 03CH10-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 : R13035<br/>Mode : 6</p>   | Left blank                                                                                                                                                                                                                                                      |



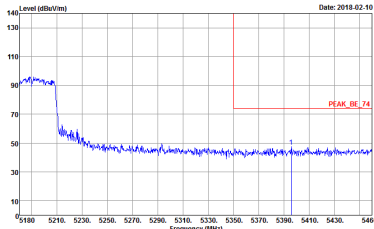
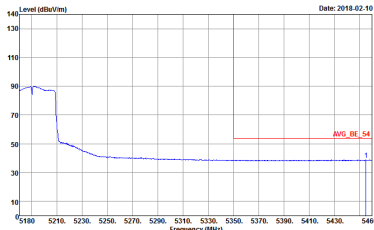
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                              |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 6</p></div> | Left blank  |



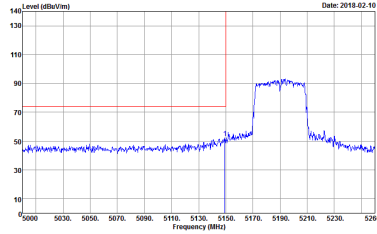
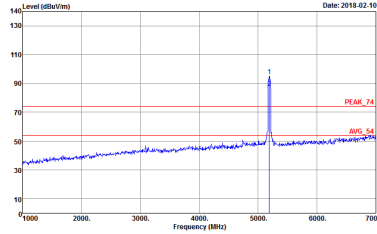
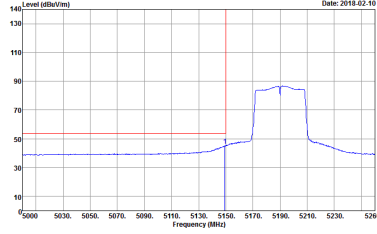
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                       |                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                            |                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                               | Fundamental                                                                                                                                                           |
| Peak | <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 7</p> | <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 7</p> |
| Avg. | <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 7</p>      | Left blank                                                                                                                                                            |

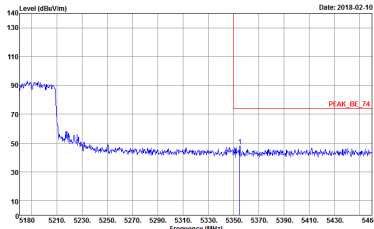
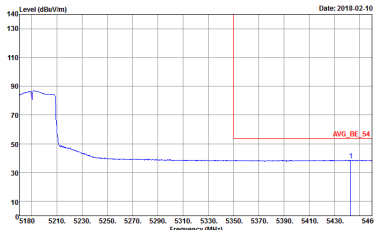


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 7</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 7</p></div> | Left blank  |

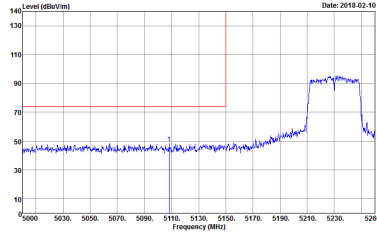
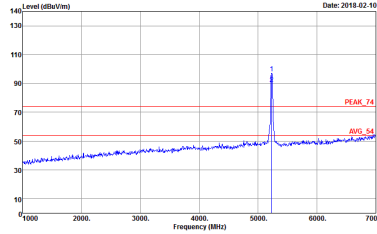
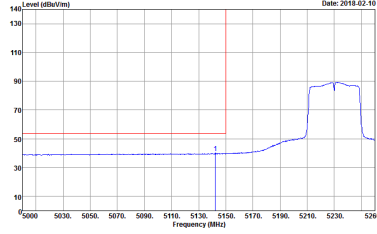


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 7</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 7</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 7</p></div>    | Left blank                                                                                                                                                                                                                                                                |

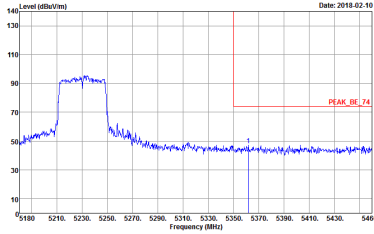
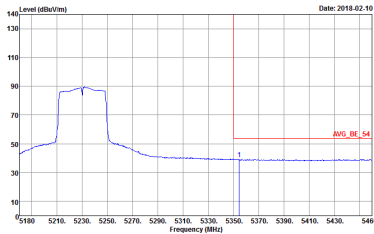


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                              |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 7</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 7</p></div> | Left blank  |

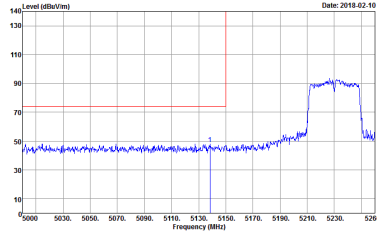
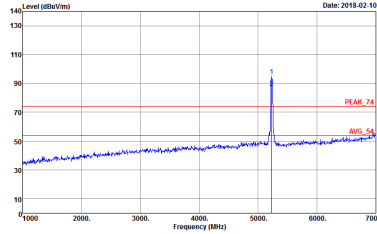
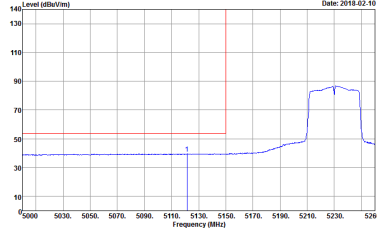


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 8</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 8</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 8</p></div>    | Left blank                                                                                                                                                                                                                                                                  |

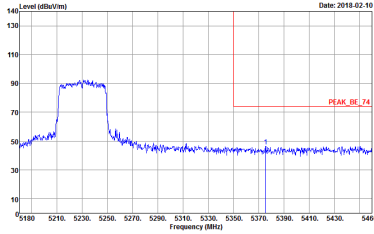
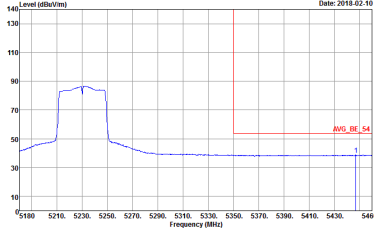


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 8</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 8</p></div> | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 8</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 8</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 8</p></div>   | Left blank                                                                                                                                                                                                                                                                |



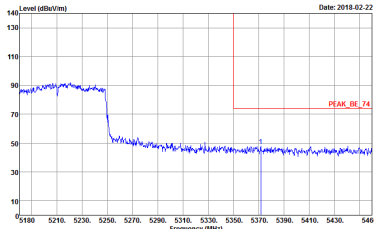
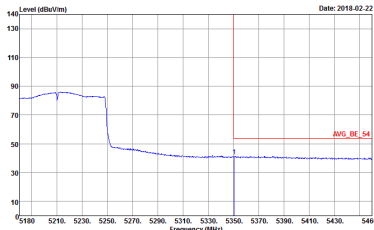
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                               |             |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 8</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 8</p></div>    | Left blank  |



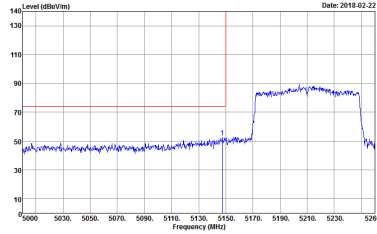
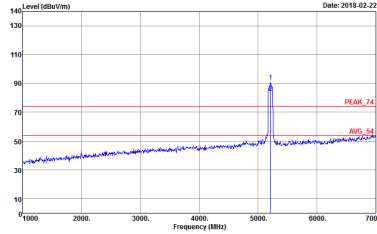
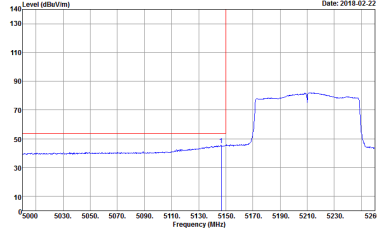
Band 1 5150~5250MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                   |                                                                                                                                   |
|------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - L                                                                                                      |                                                                                                                                   |
| 1    | Horizontal                                                                                                                           | Fundamental                                                                                                                       |
| Peak | <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p> | <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p> |
| Avg. | <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p>  | Left blank                                                                                                                        |

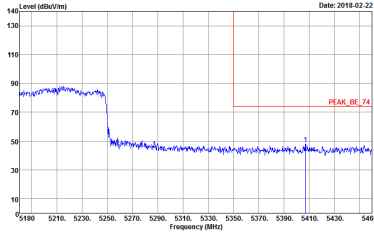
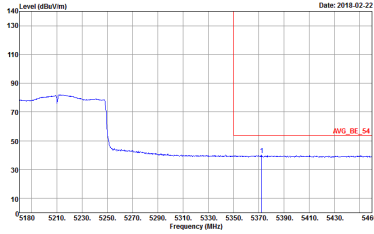


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                            |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div>   | Left blank  |



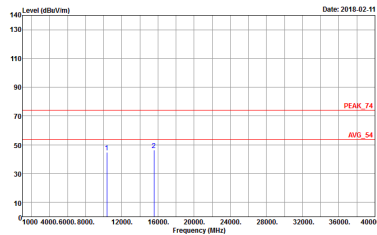
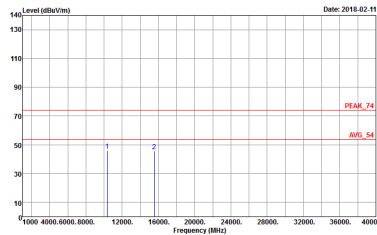
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 9</p></div>   | Left blank                                                                                                                                                                                                                                                                |



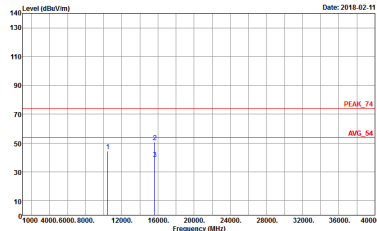
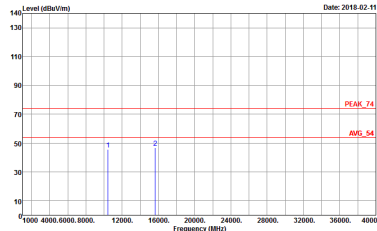
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                                             |             |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div>   | Left blank  |



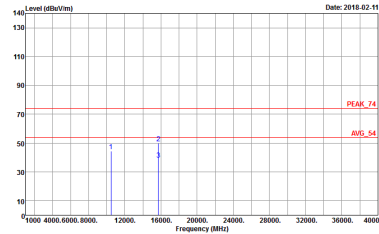
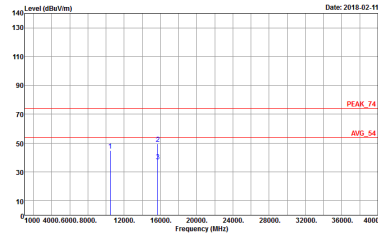
Band 1 - 5150~5250MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH36 5180MHz                                                                                                                                                                                                |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1</p> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |



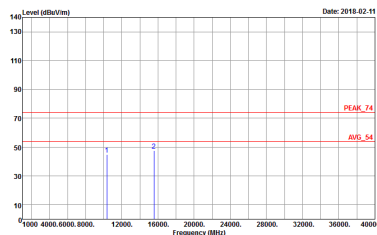
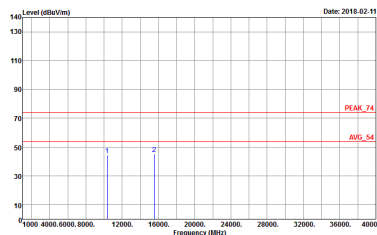
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                                                            |                                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH10-I-VY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div> | <div><p>Site : 03CH10-I-VY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 2</p></div> |
|              |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |



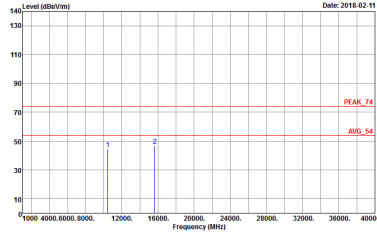
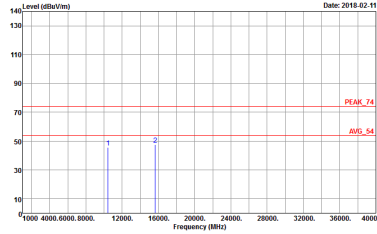
| WIFI             | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                                                     |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|-----------|---------------------------------------|----------|--------|---------|----------|------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|-----------|-------------------------------------|----------|--------|---------|----------|------|-----|
| ANT              | 802.11a CH48 5240MHz                                                                                                                                                                                                                                                                                                                                  |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| 1                | Horizontal                                                                                                                                                                                                                                                                                                                                            | Vertical      |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Peak<br><br>Avg. | <div><table><tr><td>Site</td><td>: 03CH10-I-VV</td></tr><tr><td>Condition</td><td>: PEAK_74 3m HORN 91200-HF HORIZONTAL</td></tr><tr><td>Detector</td><td>: Peak</td></tr><tr><td>Project</td><td>: 813035</td></tr><tr><td>Mode</td><td>: 3</td></tr></table></div> | Site          | : 03CH10-I-VV | Condition | : PEAK_74 3m HORN 91200-HF HORIZONTAL | Detector | : Peak | Project | : 813035 | Mode | : 3 | <div><table><tr><td>Site</td><td>: 03CH10-I-VV</td></tr><tr><td>Condition</td><td>: PEAK_74 3m HORN 91200-HF VERTICAL</td></tr><tr><td>Detector</td><td>: Peak</td></tr><tr><td>Project</td><td>: 813035</td></tr><tr><td>Mode</td><td>: 3</td></tr></table></div> | Site | : 03CH10-I-VV | Condition | : PEAK_74 3m HORN 91200-HF VERTICAL | Detector | : Peak | Project | : 813035 | Mode | : 3 |
|                  | Site                                                                                                                                                                                                                                                                                                                                                  | : 03CH10-I-VV |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Condition        | : PEAK_74 3m HORN 91200-HF HORIZONTAL                                                                                                                                                                                                                                                                                                                 |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Detector         | : Peak                                                                                                                                                                                                                                                                                                                                                |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Project          | : 813035                                                                                                                                                                                                                                                                                                                                              |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Mode             | : 3                                                                                                                                                                                                                                                                                                                                                   |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Site             | : 03CH10-I-VV                                                                                                                                                                                                                                                                                                                                         |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Condition        | : PEAK_74 3m HORN 91200-HF VERTICAL                                                                                                                                                                                                                                                                                                                   |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Detector         | : Peak                                                                                                                                                                                                                                                                                                                                                |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Project          | : 813035                                                                                                                                                                                                                                                                                                                                              |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
| Mode             | : 3                                                                                                                                                                                                                                                                                                                                                   |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |
|                  |                                                                                                                                                                                                                                                                                                                                                       |               |               |           |                                       |          |        |         |          |      |     |                                                                                                                                                                                                                                                                                                                                                      |      |               |           |                                     |          |        |         |          |      |     |



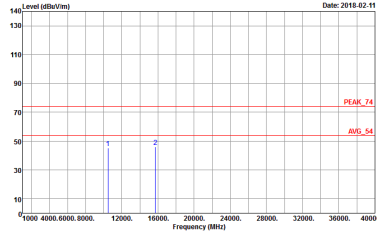
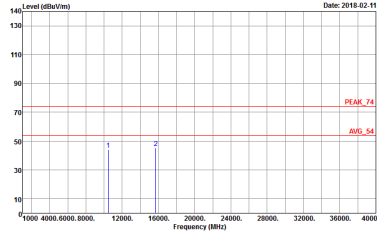
Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 4</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 4</p> |

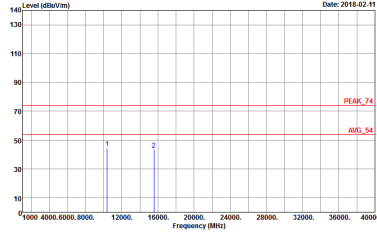
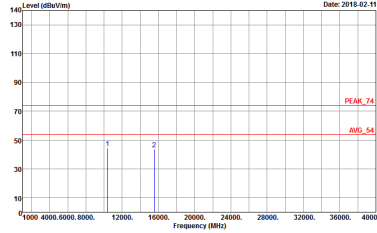


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH44 5220MHz                                                                                                                                                                                            |                                                                                                                                                                                                                     |
| 1            | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 5</p> |  <p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 5</p> |
|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |

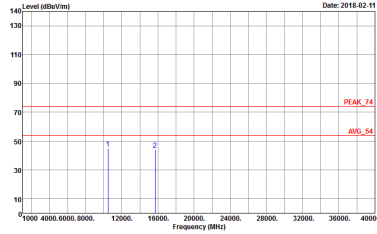
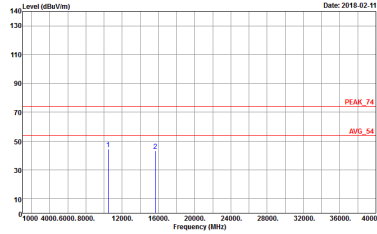


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH48 5240MHz                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. |  <p>Site : 03CH10-1V<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 0</p> |  <p>Site : 03CH10-1V<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 0</p> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |

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

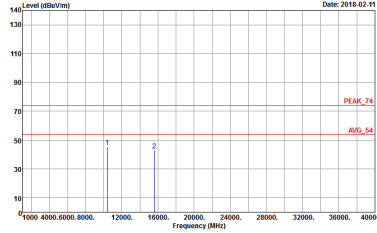
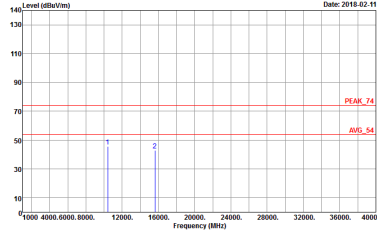
| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                        |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH38 5190MHz                                                                                                                                                                                               |                                                                                                                                                                                                                        |
| 1                              | Horizontal                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                               |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 7</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 7</p> |



| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH46 5230MHz                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                           |
| Peak<br>Avg. |  <p>Site : 03CH10-1V<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 8</p> |  <p>Site : 03CH10-1V<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 8</p> |
|              |                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |

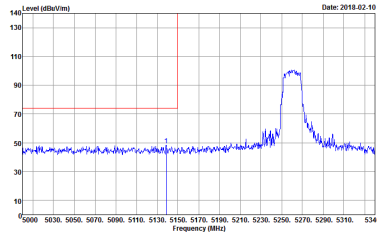
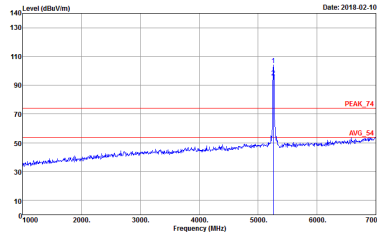
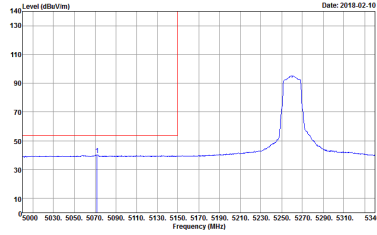


Band 1 5150~5250MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)

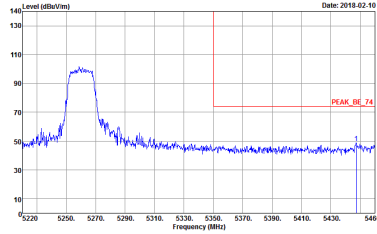
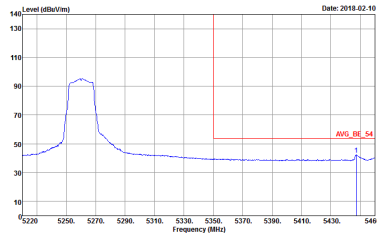
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                              |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH42 5210MHz                                                                                                                                                                                                   |                                                                                                                                                                                                                              |
| 1            | Horizontal                                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                                     |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> |



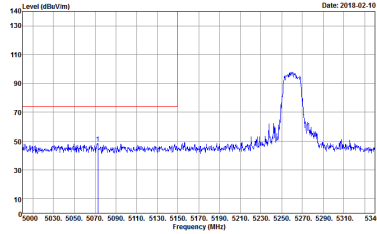
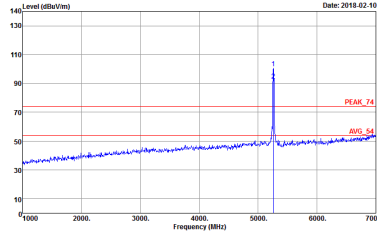
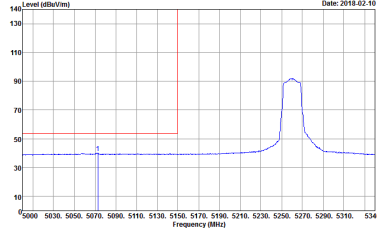
**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                 |                                                                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p> | Left blank                                                                                                                                                                                                            |

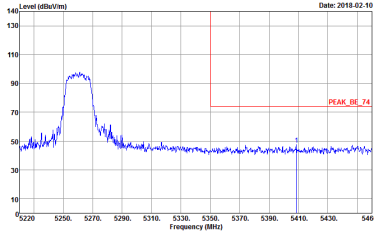
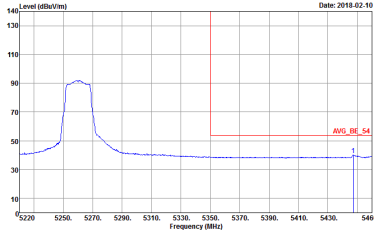


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                             |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                       |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div>   | Left blank  |

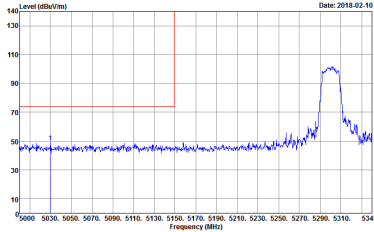
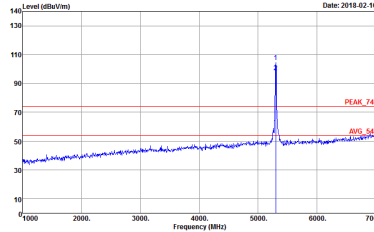
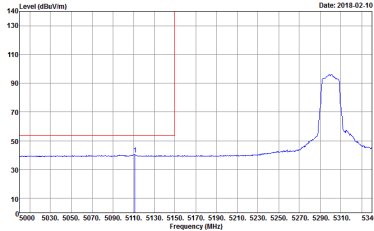


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 11</p></div>   | Left blank                                                                                                                                                                                                                                                                 |

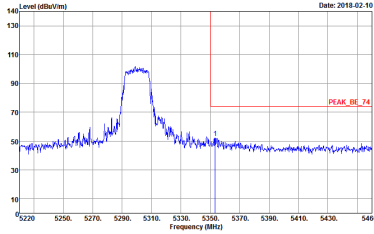
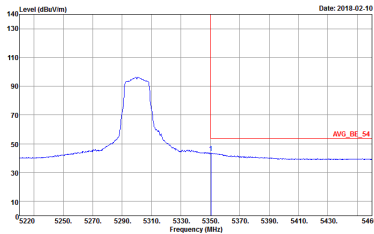


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 11</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 11</p></div>   | Left blank  |

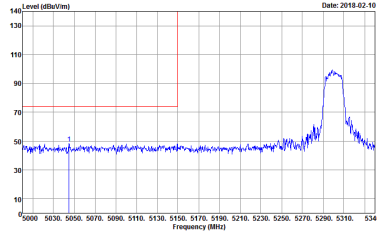
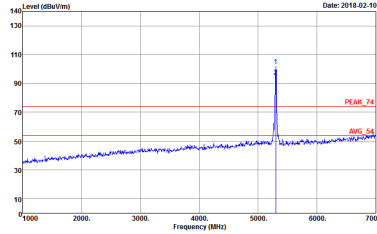
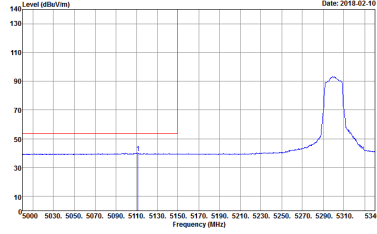


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div>    | Left blank                                                                                                                                                                                                                                                                  |

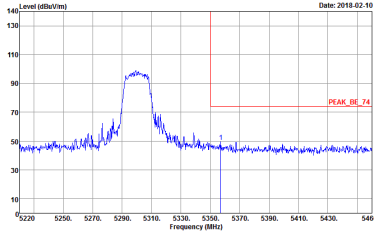
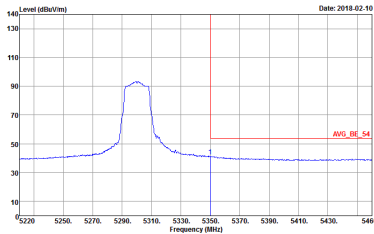


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                            |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                                      |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div>   | Left blank  |

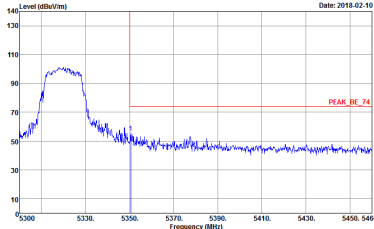
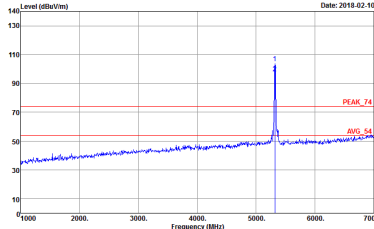
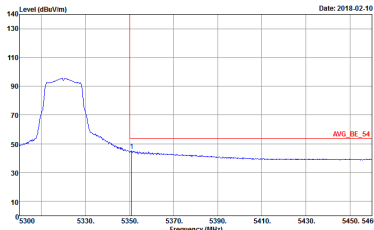


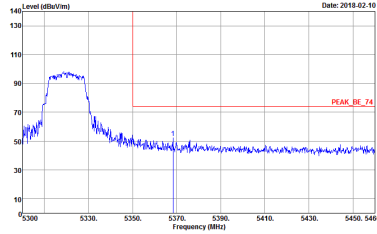
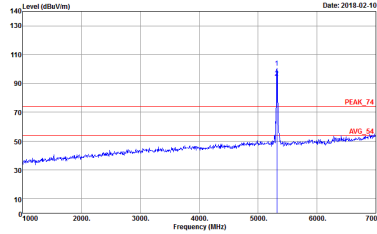
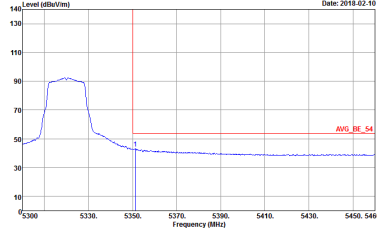
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div>    | Left blank                                                                                                                                                                                                                                                                |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                                    |             |
| 1    | Vertical                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div>   | Left blank  |

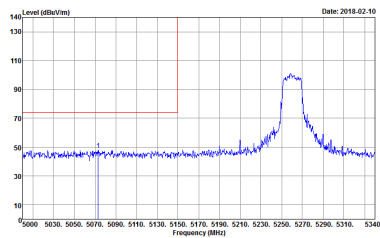
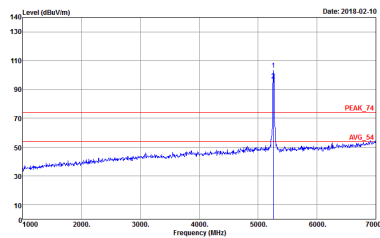
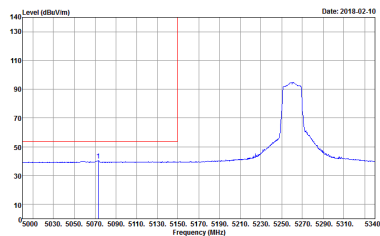


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 10</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 10</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 10</p></div>   | Left blank                                                                                                                                                                                                                                                                   |

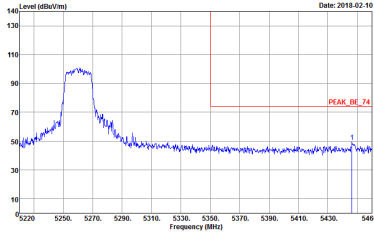
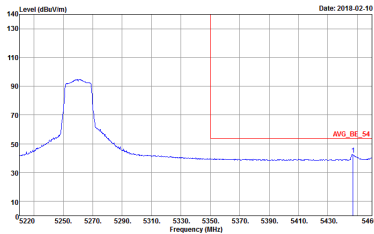
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                         |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 813035<br/>           Mode : 10         </p>  |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 813035<br/>           Mode : 10         </p> |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 813035<br/>           Mode : 10         </p> | Left blank                                                                                                                                                                                                                                                                          |



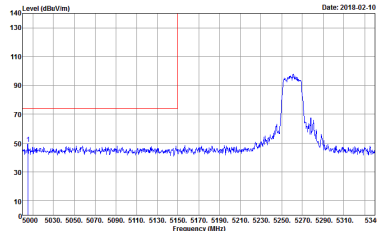
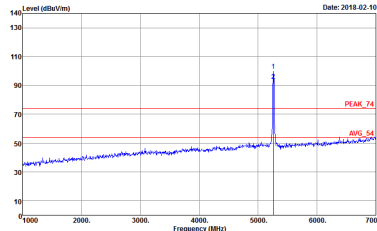
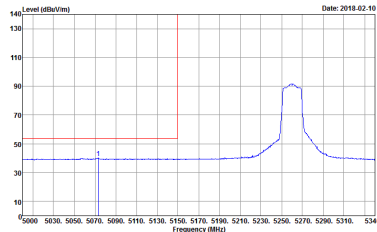
Band 2 5250~5350MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                           |
| 1    | Horizontal                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 11</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 11</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 11</p>    | Left blank                                                                                                                                                                                                                                                |

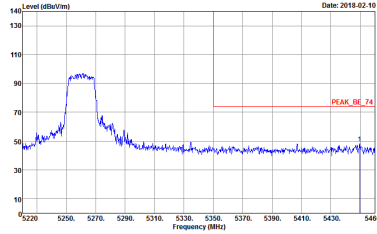
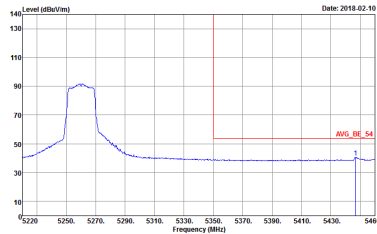


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                             |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div>    | Left blank  |

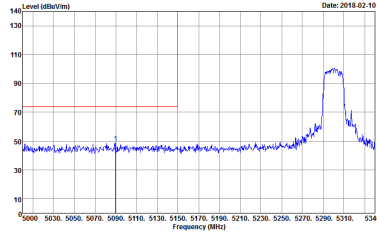
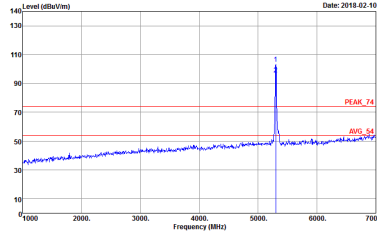
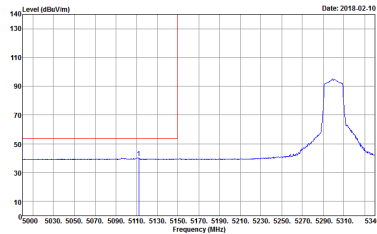


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 11</p></div>   | Left blank                                                                                                                                                                                                                                                                 |

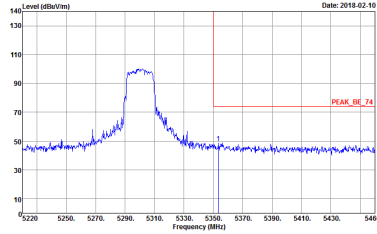
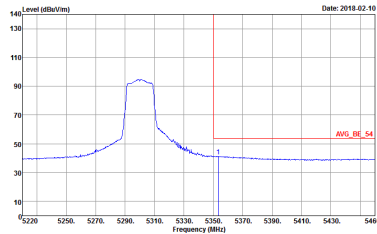


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div>   | Left blank  |

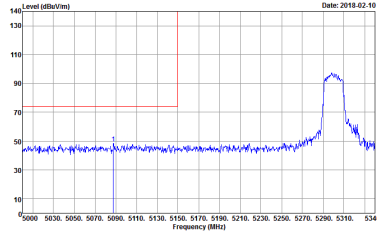
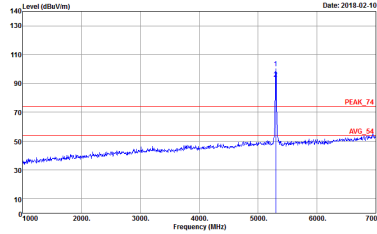
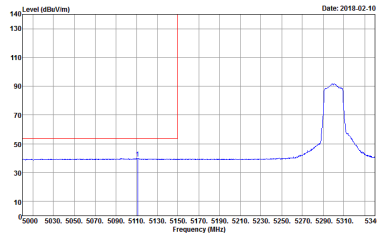


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</p></div>    | Left blank                                                                                                                                                                                                                                                                   |

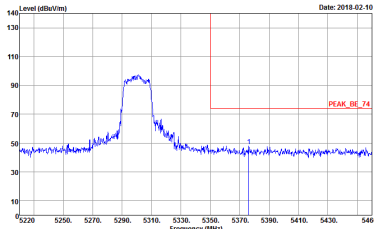
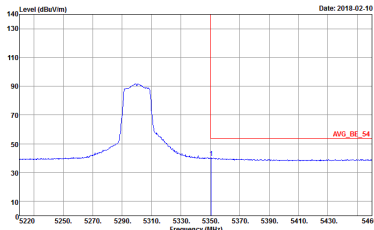


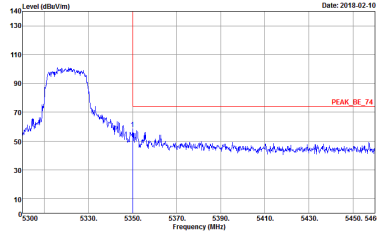
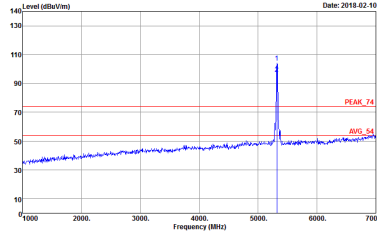
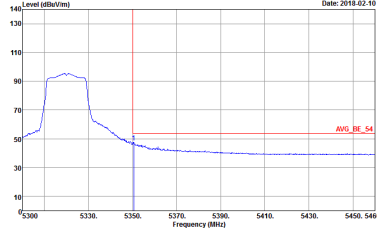
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                  |            |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                                                       |            |
| 1    | Horizontal                                                                                                                                                                                                                                                                                          | Vertical   |
| Peak | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12<br/>Date: 2018-02-10</p></div> | Left blank |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12<br/>Date: 2018-02-10</p></div>   | Left blank |



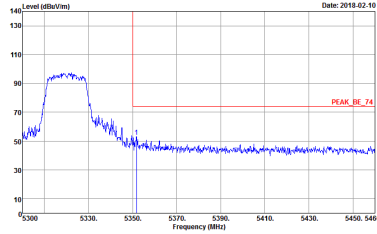
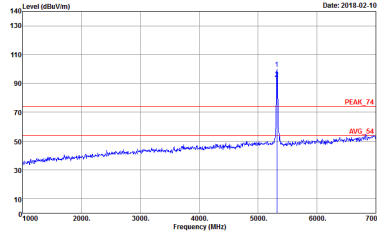
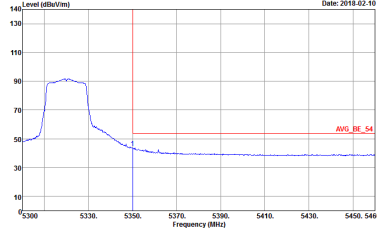
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</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 : 03CH10-HV<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 12</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HV<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 12</p></div>   | Left blank  |

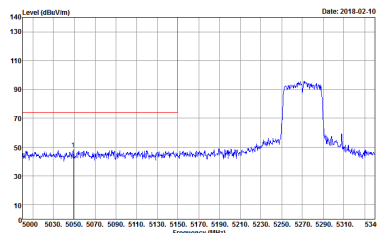
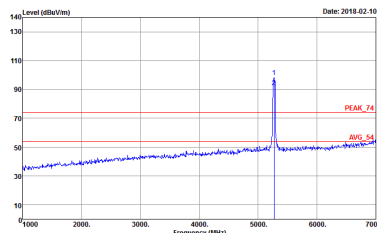
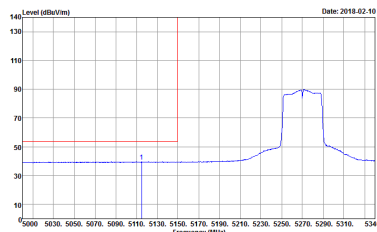
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                    |
| 1    | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p>   | Left blank                                                                                                                                                                                                                                                         |



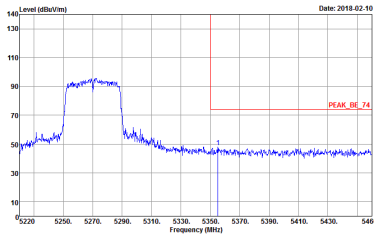
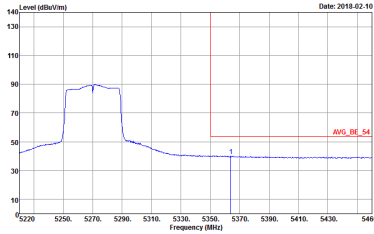
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p></div>    | Left blank                                                                                                                                                                                                                                                                 |



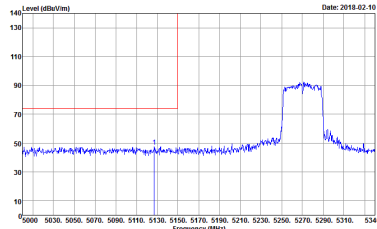
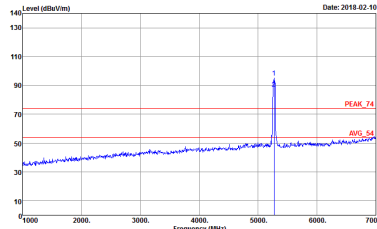
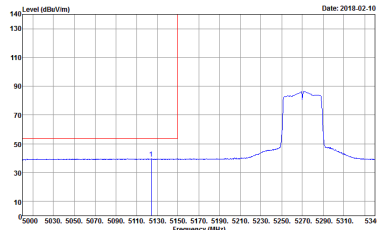
Band 2 5250~5350MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                           |
| 1    | Horizontal                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 14</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 14</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 14</p>    | Left blank                                                                                                                                                                                                                                                |

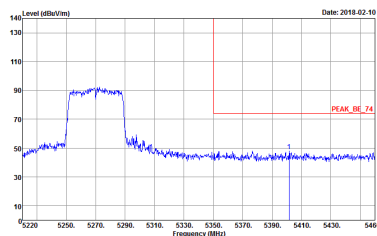
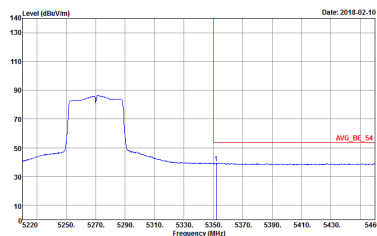


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                             |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p></div>    | Left blank  |

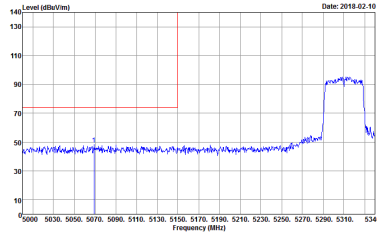
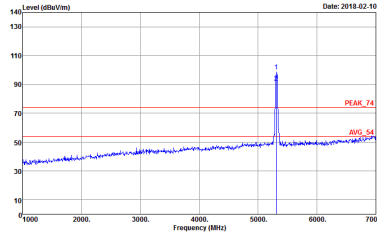
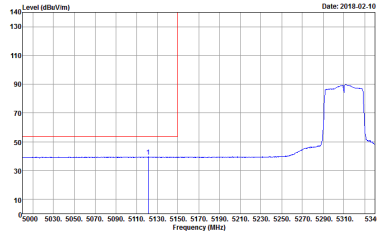


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                  |
| 1    | Vertical                                                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p> |
| Avg. |  <p>Site : 03CH10-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 : 813035<br/>Mode : 14</p>   | Left blank                                                                                                                                                                                                                                                       |

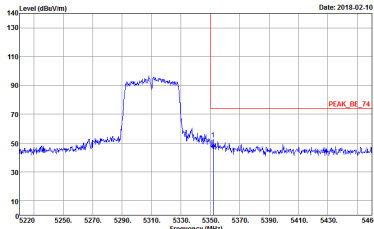
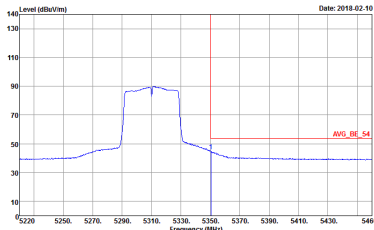


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                                                   |            |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Vertical   |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p></div> | Left blank |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p></div>    | Left blank |

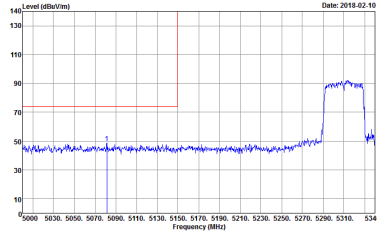
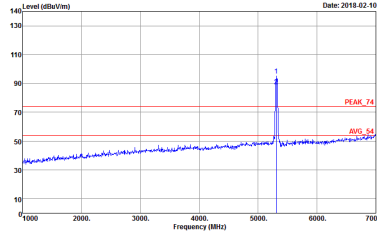
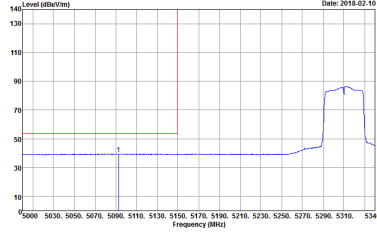


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div>    | Left blank                                                                                                                                                                                                                                                                   |

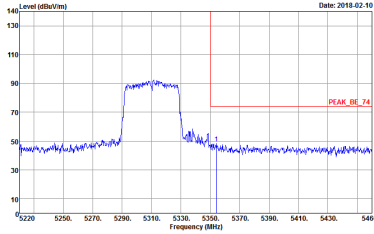
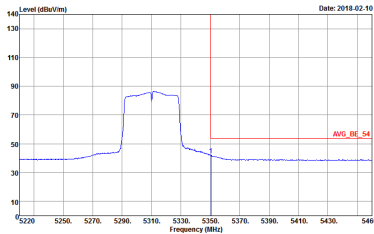


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                 |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                         | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div> | Left blank  |



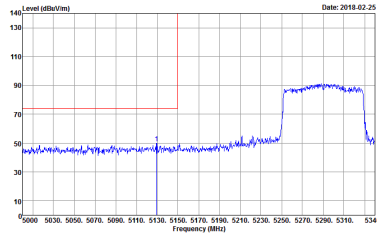
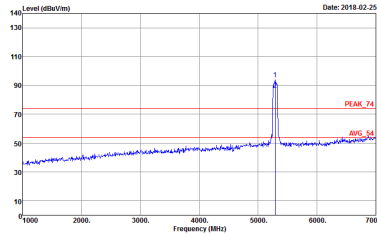
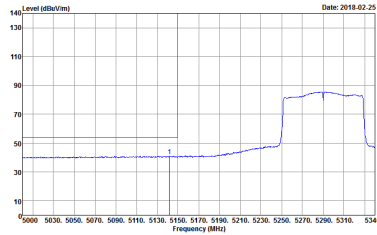
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 15</p></div>   | Left blank                                                                                                                                                                                                                                                                 |



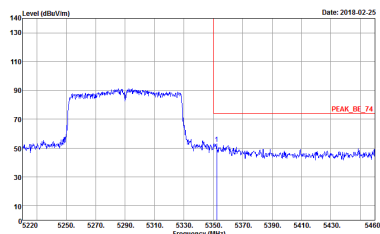
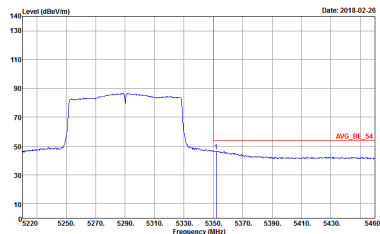
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                           |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 15</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 15</p></div>   | Left blank  |



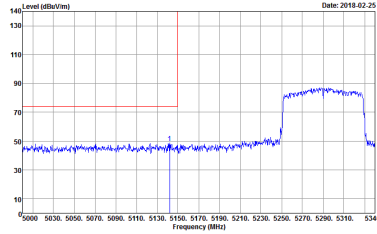
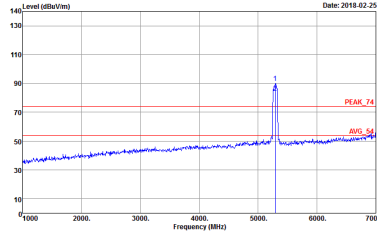
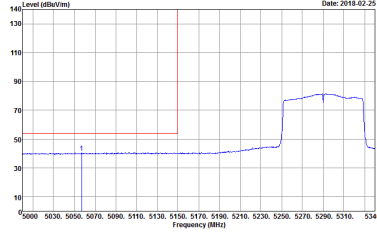
Band 2 5250~5350MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                                                          |                                                                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p> | Left blank                                                                                                                                                                                                            |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                                                          |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>           Site : 03CH10-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : R13035<br/>           Mode : 16         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH10-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : R13035<br/>           Mode : 16         </p> | Left blank  |



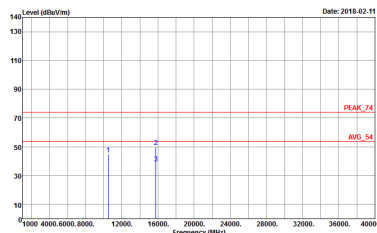
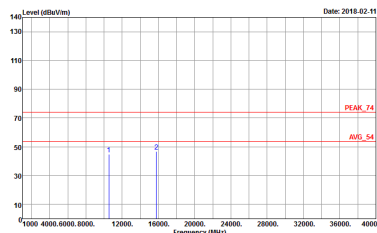
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                            |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p></div>  | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p></div> |
| Avg. | <div><p>Site : 03CH10-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p></div> | Left blank                                                                                                                                                                                                                                                                 |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                    |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                       |             |
| 1    | Vertical                                                                                                                                                                              | Fundamental |
| Peak | <p>Site : 03CH10-HY<br/> Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 16</p> | Left blank  |
| Avg. | <p>Site : 03CH10-HY<br/> Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 16</p>  | Left blank  |



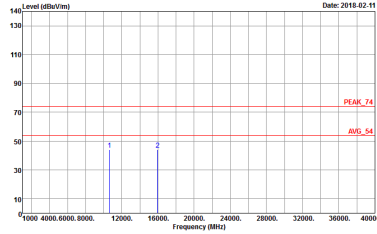
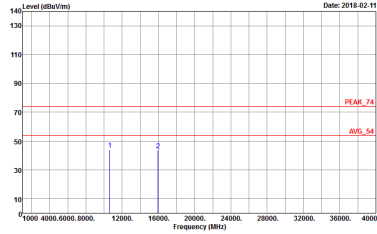
Band 2 - 5250~5350MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                    |                                                                                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH52 5260MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                     |
| 1            | Horizontal                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                            |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p> |
|              |                                                                                                                                                                                                                      |                                                                                                                                                                                                                     |



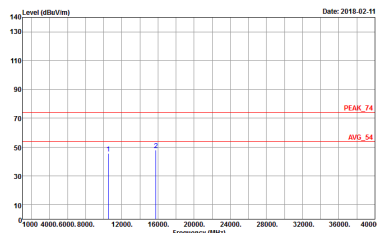
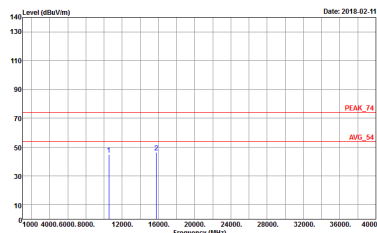
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                            |                                                                                                                                            |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH60 5300MHz                                                                                                                         |                                                                                                                                            |
| 1            | Horizontal                                                                                                                                   | Vertical                                                                                                                                   |
| Peak<br>Avg. | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> | <div><p>Site : 03CH10-HV<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 9</p></div> |
|              |                                                                                                                                              |                                                                                                                                            |



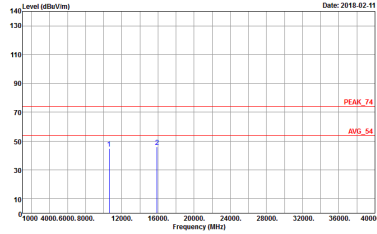
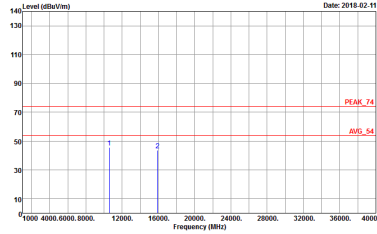
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                               |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH64 5320MHz                                                                                                                                                                                                           |                                                                                                                                                                                                                               |
| 1            | Horizontal                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                      |
| Peak<br>Avg. | <div><p>Site : 03CH10-1V<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 10</p></div> | <div><p>Site : 03CH10-1V<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 10</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. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 11</p></div> |



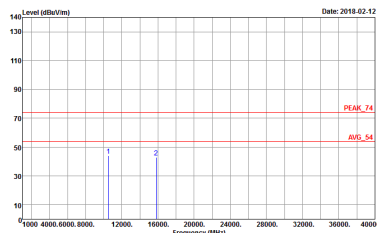
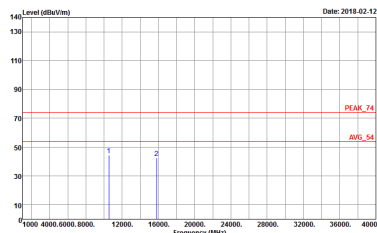
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH60 5300MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 12</p></div> |
|              |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                |



| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                              |                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH64 5320MHz                                                                                                                      |                                                                                                                                              |
| 1            | Horizontal                                                                                                                                     | Vertical                                                                                                                                     |
| Peak<br>Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 13</p></div> |
|              |                                                                                                                                                |                                                                                                                                              |



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

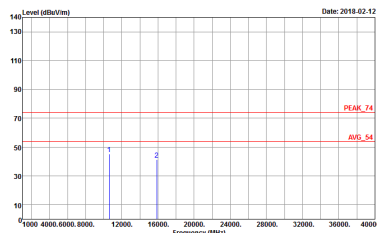
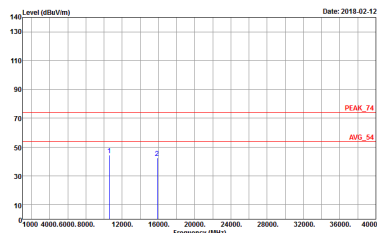
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                               |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH54 5270                                                                                                                                                                                                         |                                                                                                                                                                                                                               |
| 1            | Horizontal                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                      |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 14</p></div> |



| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                              |                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH62 5310                                                                                                                         |                                                                                                                                              |
| 1            | Horizontal                                                                                                                                     | Vertical                                                                                                                                     |
| Peak<br>Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 15</p></div> |
|              |                                                                                                                                                |                                                                                                                                              |

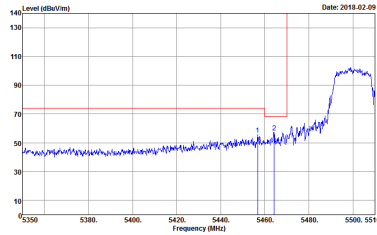
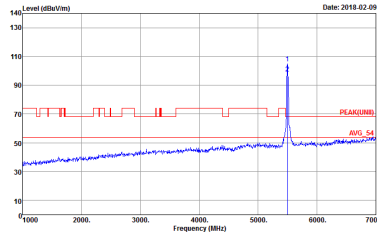
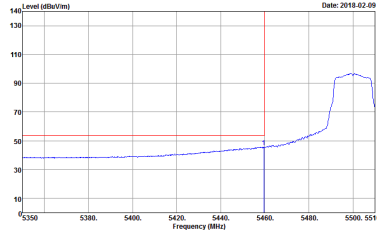


Band 2 5250~5350MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)

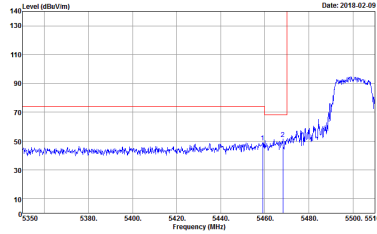
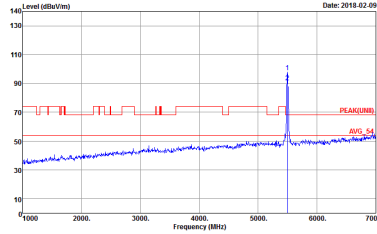
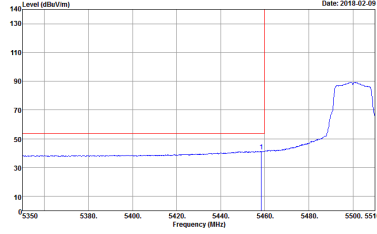
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                               |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH58 5290MHz                                                                                                                                                                                                    |                                                                                                                                                                                                                               |
| 1            | Horizontal                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                      |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 16</p></div> |



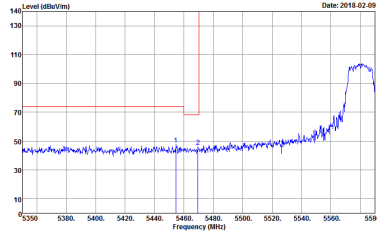
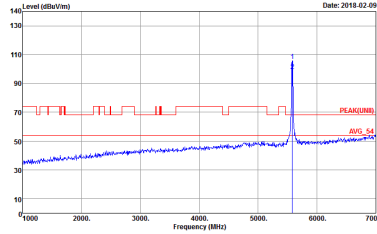
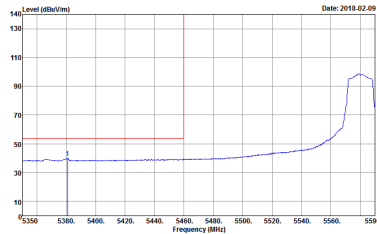
**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                           |                                                                                                                                                                                                                           |
| 1    | Horizontal                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1B</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1B</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 1B</p> | Left blank                                                                                                                                                                                                                |

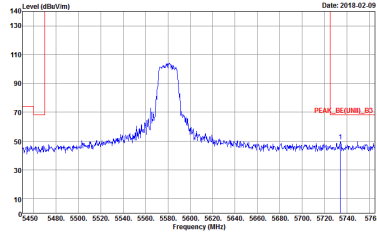


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 18</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 18</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 18</p></div>    | Left blank                                                                                                                                                                                                                                                                     |

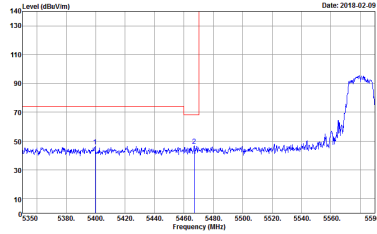
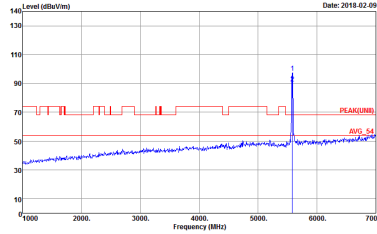
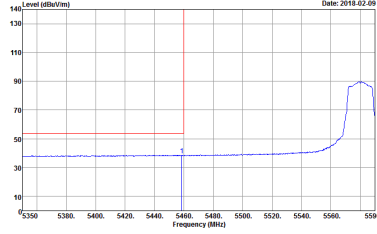


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                  |
| 1    | Horizontal                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 19</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 19</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 19</p></div>   | Left blank                                                                                                                                                                                                                                                                       |

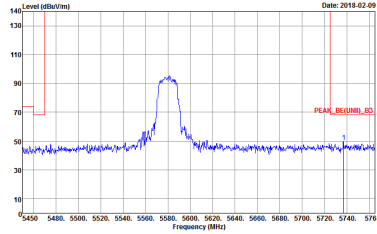


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                                            |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<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 : R13035<br/>Mode : 19</p></div> | Left blank  |

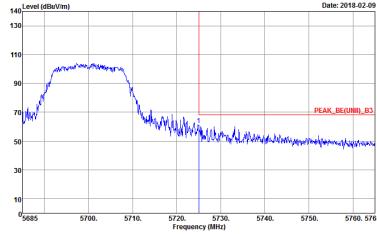
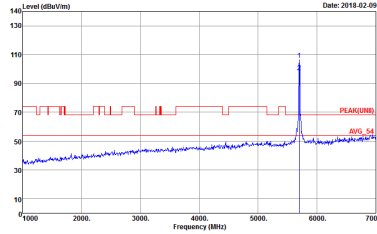


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 19</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 19</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 19</p></div>   | Left blank                                                                                                                                                                                                                                                                     |

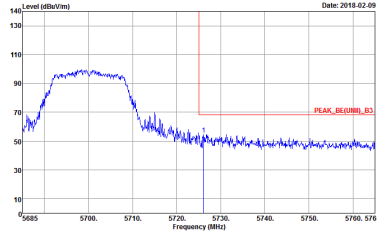
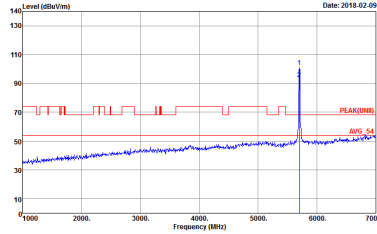


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                        |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                                                                 |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000GHz VBW:3000.000GHz SWT:Auto<br/>Detector : Peak<br/>Project : R13035<br/>Mode : 19</p><p>Date: 2018.02.09</p></div> | Left blank  |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |
| 1    | Horizontal                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 20</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 20</p></div> |



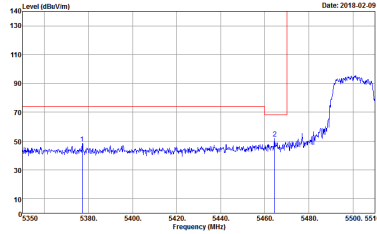
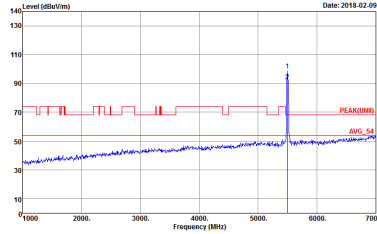
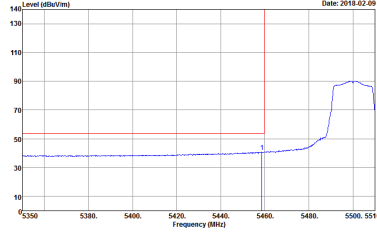
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 20</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 20</p></div> |



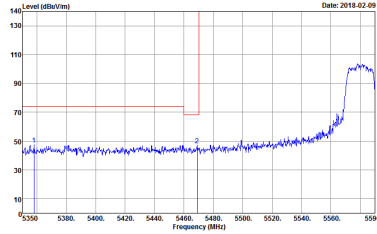
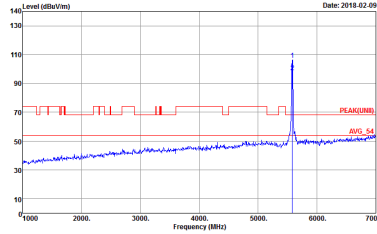
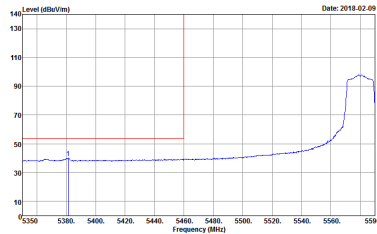
Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                       |                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                               |                                                                                                                                                                                    |
| 1    | Horizontal                                                                                                                                                                               | Fundamental                                                                                                                                                                        |
| Peak | <p>Site : 03CH10-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 : 813035<br/>Mode : ZF</p> | <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : ZF</p> |
| Avg. | <p>Site : 03CH10-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 : 813035<br/>Mode : ZF</p>      | Left blank                                                                                                                                                                         |

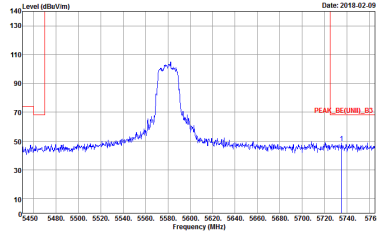


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 22</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 22</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 22</p></div>    | Left blank                                                                                                                                                                                                                                                                     |

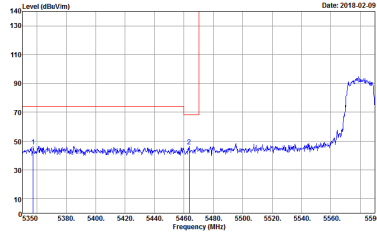
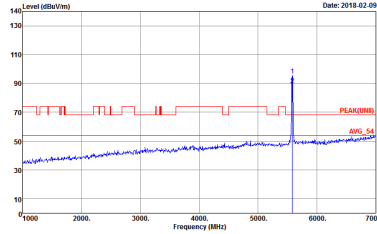
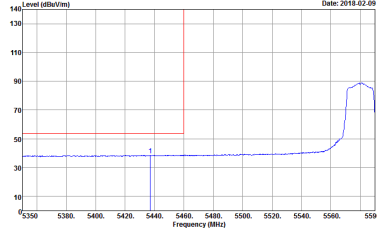


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 23</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 23</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 23</p></div>    | Left blank                                                                                                                                                                                                                                                                      |

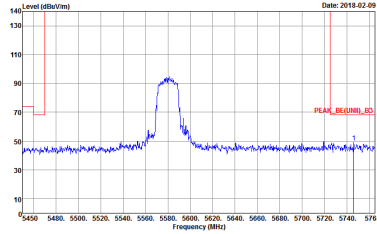


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                      |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                          |             |
| 1    | Horizontal                                                                                                                                                                                                                              | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 23</p></div> | Left blank  |

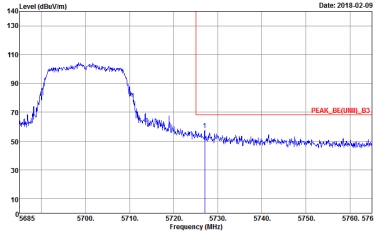
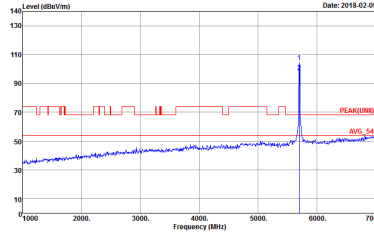


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 23</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 23</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 23</p></div>   | Left blank                                                                                                                                                                                                                                                                     |

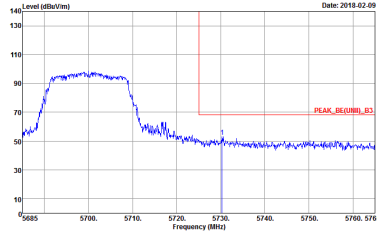
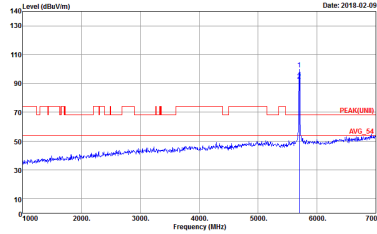


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<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 : 813035<br/>Mode : 23</p></div> | Left blank  |



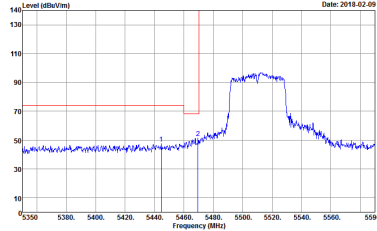
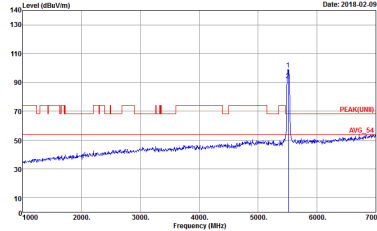
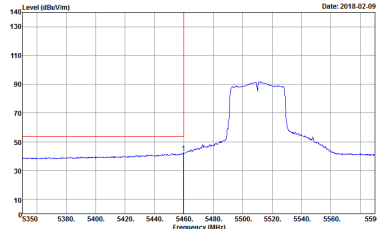
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                  |
| 1    | Horizontal                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 24</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 24</p></div> |



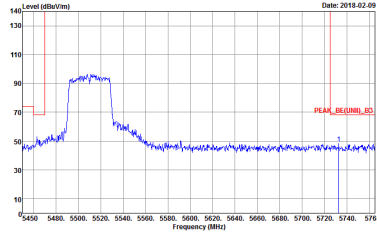
| WIFI  | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT   | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |
| 1     | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 24</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 24</p></div> |



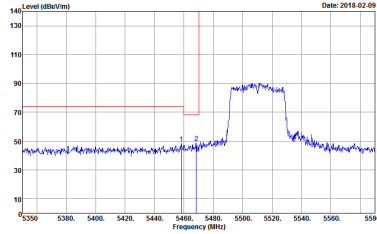
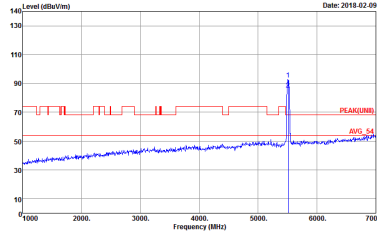
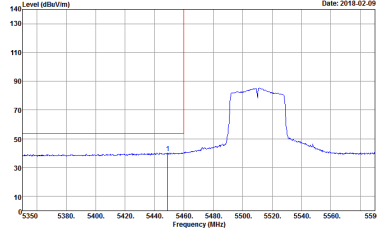
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                              |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 26</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 26</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 26</p>    | Left blank                                                                                                                                                                                                                                                   |

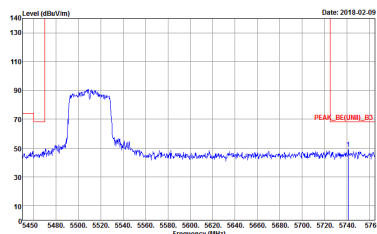


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                      |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                          |             |
| 1    | Horizontal                                                                                                                                                                                                                              | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 26</p></div> | Left blank  |

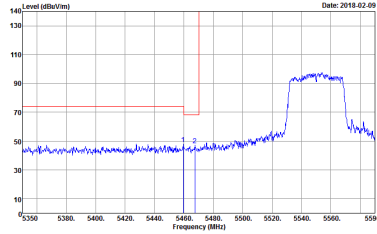
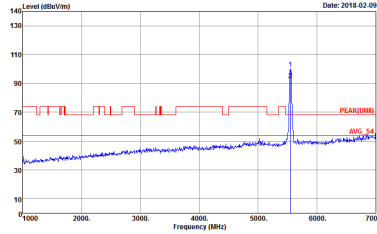
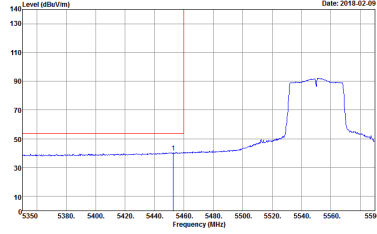


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 26</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 26</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 26</p></div>   | Left blank                                                                                                                                                                                                                                                                     |

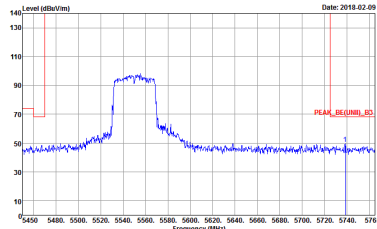


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                           |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                               |             |
| 1    | Vertical                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 26</p><p>Date: 2018.02.09</p></div> | Left blank  |

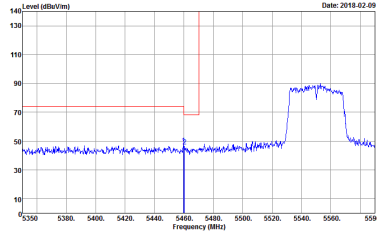
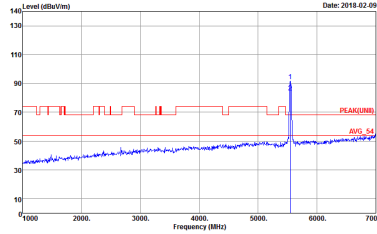
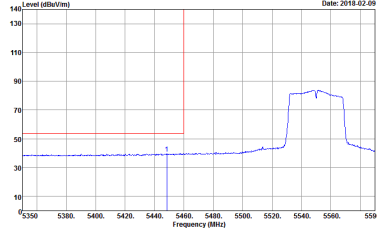


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                  |
| 1    | Horizontal                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 27</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 27</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 27</p></div>    | Left blank                                                                                                                                                                                                                                                                       |

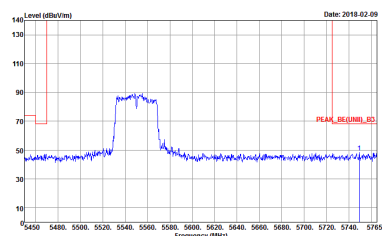


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                      |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                          |             |
| 1    | Horizontal                                                                                                                                                                                                                              | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 27</p></div> | Left blank  |

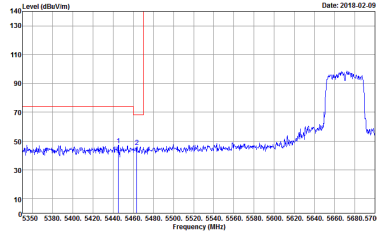
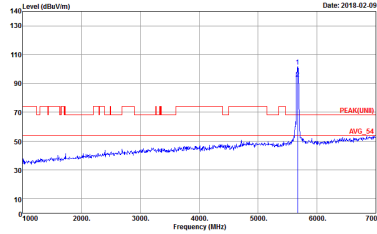
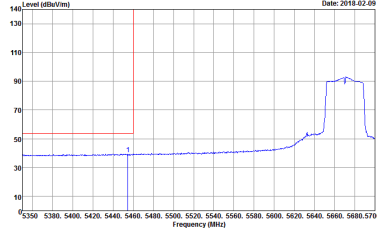


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 27</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 27</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 27</p></div>    | Left blank                                                                                                                                                                                                                                                                     |

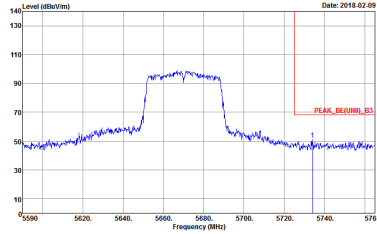


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<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 : 813035<br/>Mode : 27</p></div> | Left blank  |

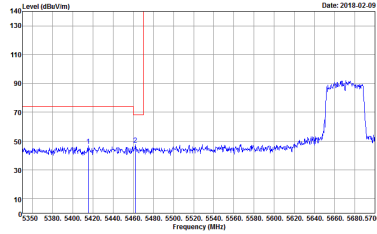
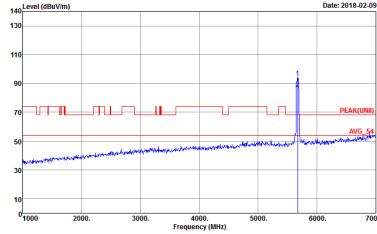
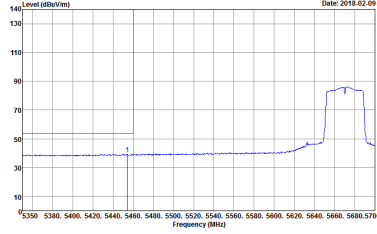


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                  |
| 1    | Horizontal                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 28</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 28</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 28</p></div>   | Left blank                                                                                                                                                                                                                                                                       |

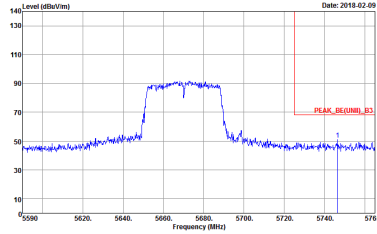


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                                       |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<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 : 813035<br/>Mode : 28</p></div> | Left blank  |



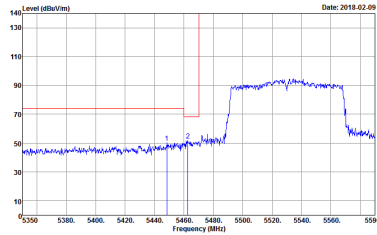
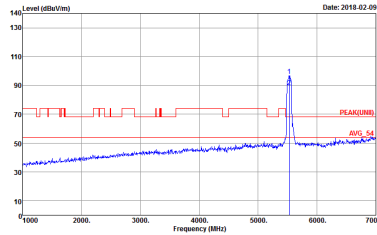
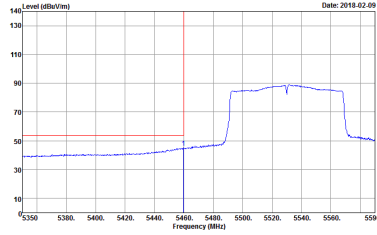
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 28</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 28</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 28</p></div>   | Left blank                                                                                                                                                                                                                                                                     |



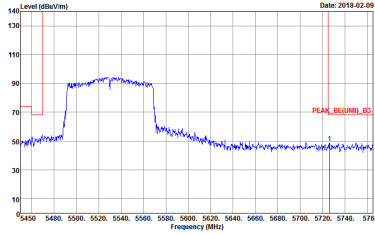
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                                      |             |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental |
| Peak | <div><p>Site : 09CH100-HV<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 : 813035<br/>Mode : 28</p></div> | Left blank  |



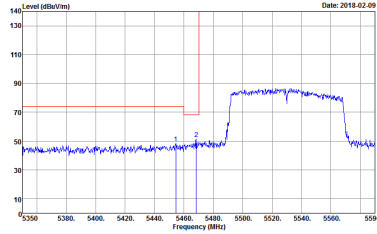
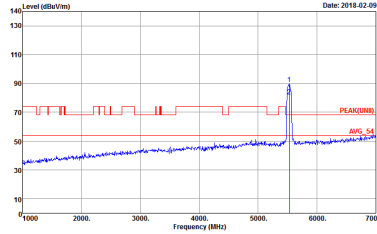
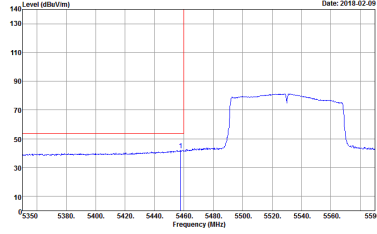
Band 3 5470~5725MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - L                                                                                                                                                                                               |                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH10-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 30</p>  |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 30</p> |
| Avg. |  <p>Site : 03CH10-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 30</p> | Left blank                                                                                                                                                                                                               |

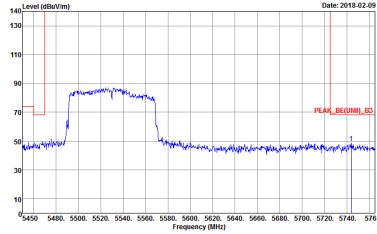


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - R                                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 30</p><p>Date: 2018.02.09</p></div> | Left blank  |

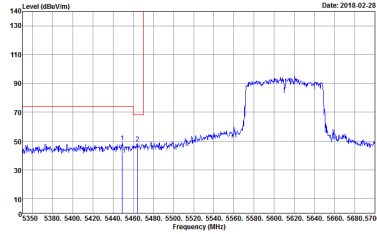
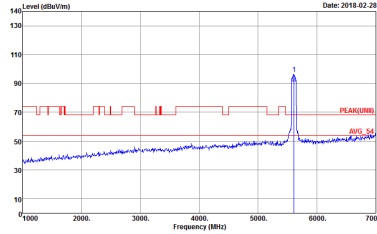
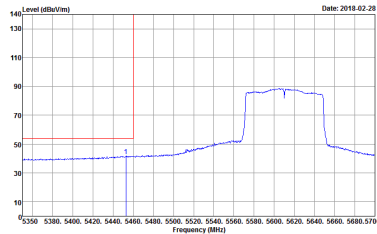


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - L                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 30</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 30</p></div> |
| Avg. | <div><p>Site : 03CH10-IHV<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 : 813035<br/>Mode : 30</p></div>   | Left blank                                                                                                                                                                                                                                                                     |

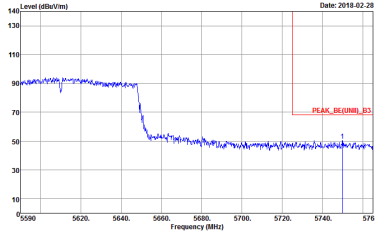


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                           |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH106 5530MHz - R                                                                                                                                                                                                                             |             |
| 1    | Vertical                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : B13035<br/>Mode : 30</p><p>Date: 2018.02.09</p></div> | Left blank  |

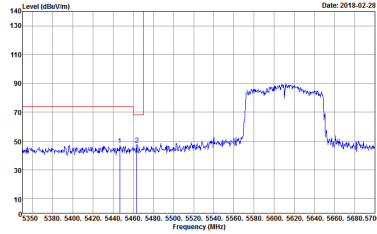
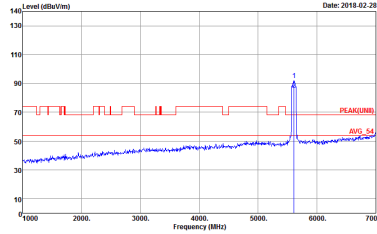
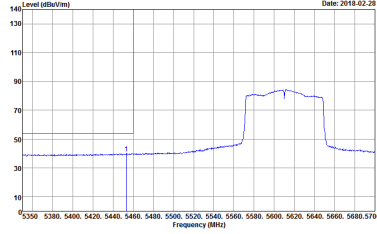


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - L                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 46</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 46</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 46</p></div>   | Left blank                                                                                                                                                                                                                                                                      |

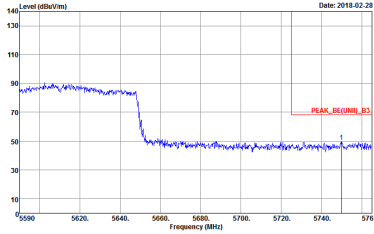


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - R                                                                                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<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 : R13035<br/>Mode : 46</p></div> | Left blank  |



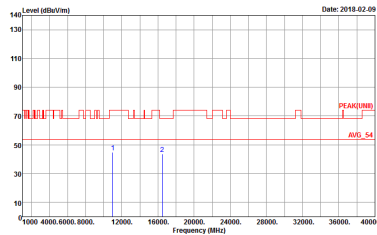
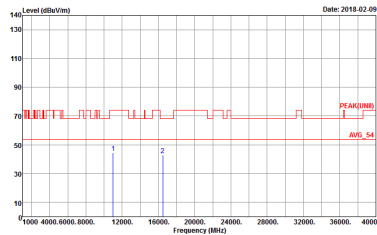
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                               |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - L                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 46</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 46</p></div> |
| Avg. | <div><p>Site : 03CH10-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 : 813035<br/>Mode : 46</p></div>   | Left blank                                                                                                                                                                                                                                                                    |



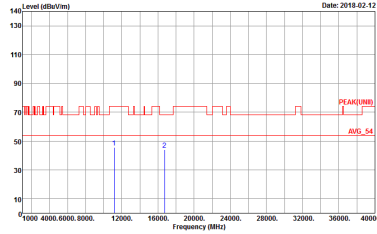
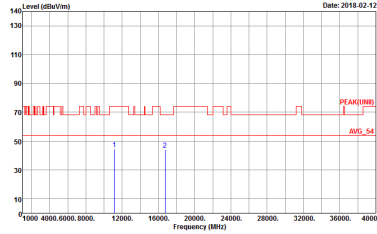
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH122 5610MHz - R                                                                                                                                                                                                                                                   |             |
| 1    | Vertical                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 09CH10-HV<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 : R13035<br/>Mode : 46</p></div> | Left blank  |



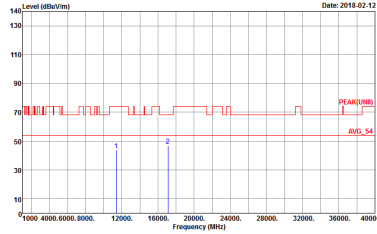
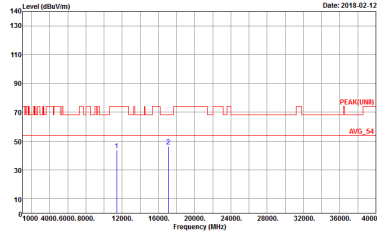
Band 3 - 5470~5725MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                  |                                                                                                                                                                                                                                   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH100 5500MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH100-HY<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 18</p></div> | <div><p>Site : 03CH100-HY<br/>Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 18</p></div> |

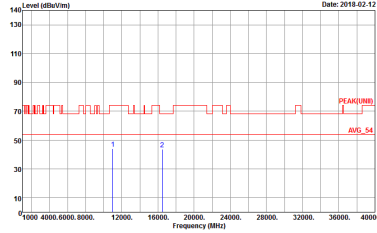
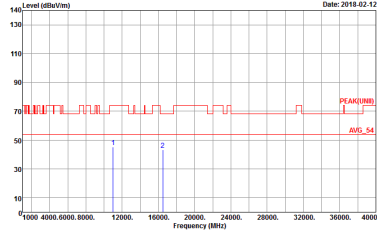


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                  |                                                                                                                                                                                                                                   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH116 5580MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : LP</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : LP</p></div> |
|              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                   |

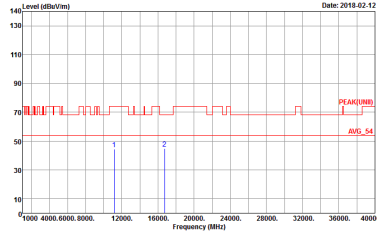
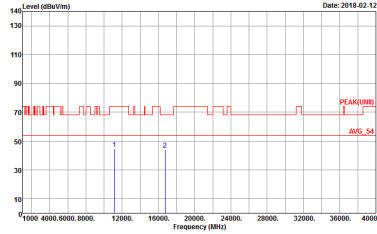


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH140 5700MHz                                                                                                                                                                                                             |                                                                                                                                                                                                                                  |
| 1            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH10-HV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 20</p></div> | <div><p>Site : 03CH10-HV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 20</p></div> |
|              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |

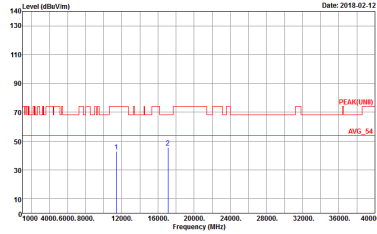
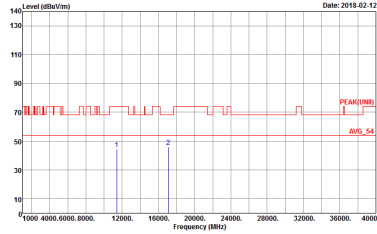
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI                           | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                            |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                  |                                                                                                                                                                                                                            |
| 1                              | Horizontal                                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                                   |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 22</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 22</p> |

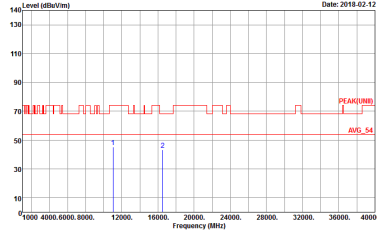
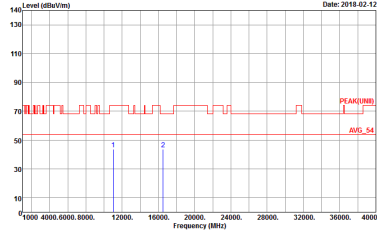


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH116 5580MHz                                                                                                                                                                                                        |                                                                                                                                                                                                                                  |
| 1            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNB) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 23</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNB) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 23</p></div> |
|              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |

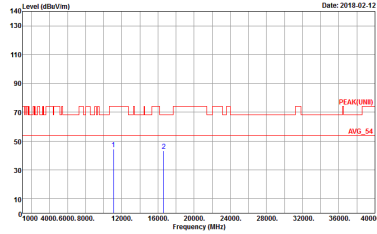
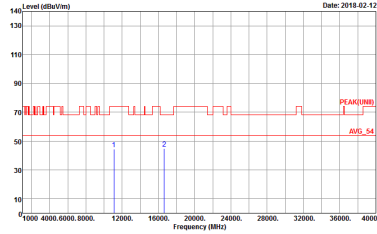


| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                  |                                                                                                                                                                                                                                   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                         |                                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 24</p></div> | <div><p>Site : 03CH10-IHV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 24</p></div> |
|              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                   |

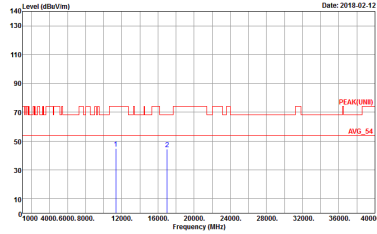
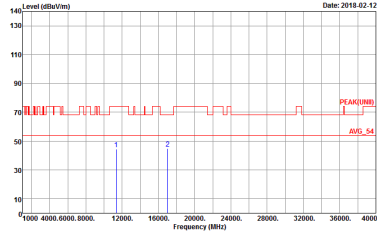
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                           | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                            |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH102 5510MHz                                                                                                                                                                                                  |                                                                                                                                                                                                                            |
| 1                              | Horizontal                                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                                   |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH10-HY<br/> Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 26</p> |  <p>Site : 03CH10-HY<br/> Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/> Detector : Peak<br/> Project : 813035<br/> Mode : 26</p> |



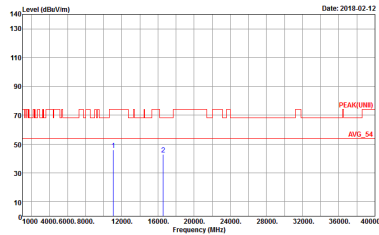
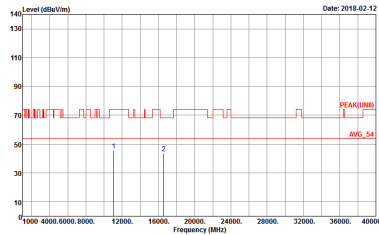
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH110 5550MHz                                                                                                                                                                                                        |                                                                                                                                                                                                                                  |
| 1            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH10-HV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 27</p></div> | <div><p>Site : 03CH10-HV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 27</p></div> |
|              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |



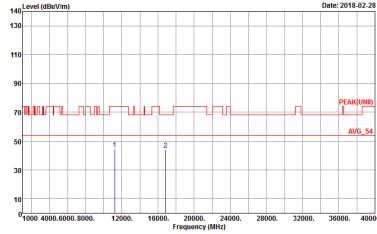
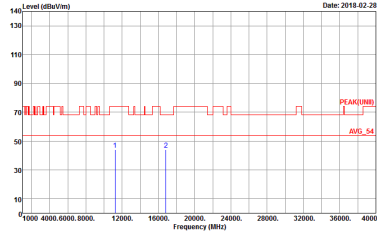
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                   |                                                                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH134 5670MHz                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH10-I-VY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 28</p></div> | <div><p>Site : 03CH10-I-VY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 28</p></div> |
|              |                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                    |



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

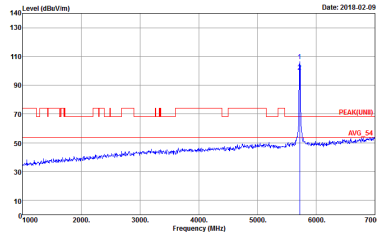
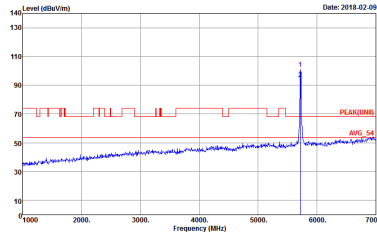
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH106 5530MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                                  |
| 1            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 30</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 30</p></div> |



| WIFI         | Band 3 Straddle Channel Harmonic @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH122 5610MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                                  |
| 1            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH10-HV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 40</p></div> | <div><p>Site : 03CH10-HV<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 40</p></div> |
|              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |

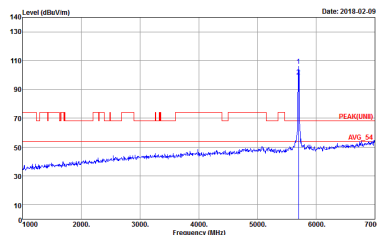
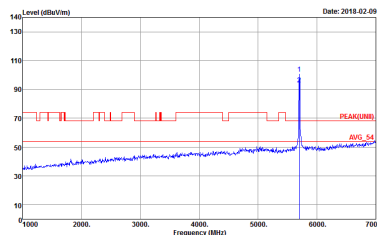


Band 3 - Straddle Channel  
WIFI 802.11a (Fundamental @ 3m)

| WIFI         | Band 3 Straddle Channel Fundamental @ 3m                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH144 5720MHz                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                                                                           |
| Peak<br>Avg. |  <p>Site : 03CH10-11Y<br/>Condition : PEAK(UM) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : Z1</p> |  <p>Site : 03CH10-11Y<br/>Condition : PEAK(UM) 3m HORN 9120D-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 813035<br/>Mode : Z1</p> |

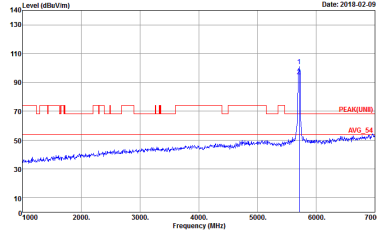
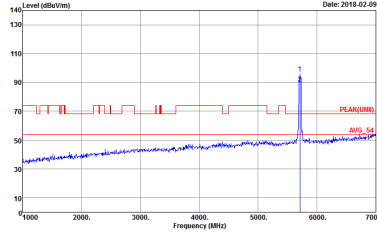


**Band 3 – Straddle Channel**  
**WIFI 802.11n HT20 (Fundamental @ 3m)**

| WIFI         | Band 3 Straddle Channel Fundamental @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                            |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH144 5720MHz                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                            |
| 1            | Horizontal                                                                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                                                                   |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 25</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 25</p> |

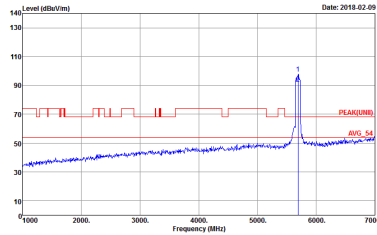
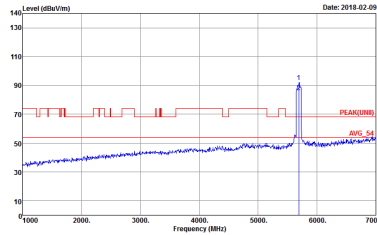


Band 3 – Straddle Channel  
WIFI 802.11n HT40 (Fundamental @ 3m)

| WIFI         | Band 3 Straddle Channel Fundamental @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                            |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH142 5710MHz                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                            |
| 1            | Horizontal                                                                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                                                                   |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 29</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 813035<br/>Mode : 29</p> |

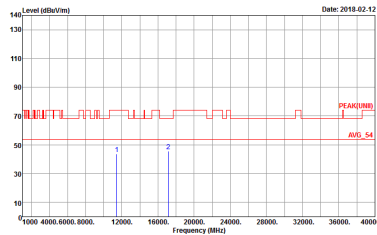
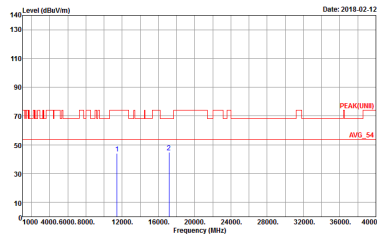


Band 3 – Straddle Channel  
WIFI 802.11ac VHT80 (Fundamental @ 3m)

| WIFI         | Band 3 Straddle Channel Fundamental @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH138 5690MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                                  |
| 1            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 31</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 31</p></div> |

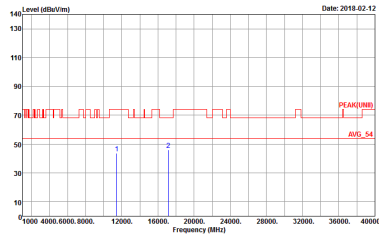
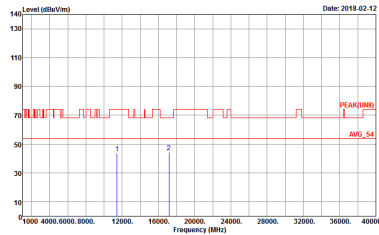


Band 3 - Straddle Channel  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 3 Straddle Channel Harmonic @ 3m                                                                                                                                                                                  |                                                                                                                                                                                                                       |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH144 5720MHz                                                                                                                                                                                                  |                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNB) 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 21</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNB) 3m HORN 9120D-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 21</p> |

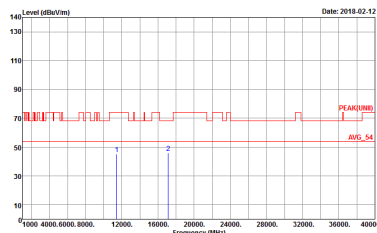
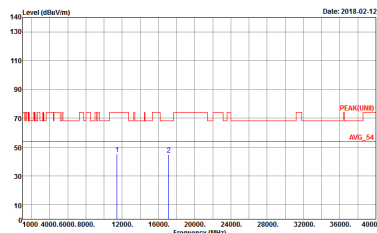


Band 3 – Straddle Channel  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 3 Straddle Channel Harmonic @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH144 5720MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UM) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 25</p></div> | <div><p>Site : 03CH10-HY<br/>Condition : PEAK(UM) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 25</p></div> |

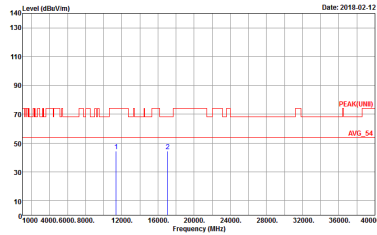
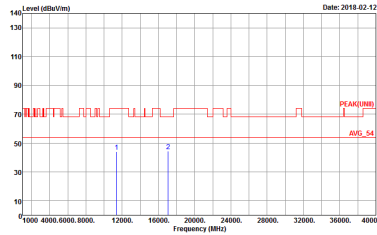


**Band 3 – Straddle Channel**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI         | Band 3 Straddle Channel Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                        |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH142 5710MHz                                                                                                                                                                                              |                                                                                                                                                                                                                        |
| 1            | Horizontal                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                               |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 29</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 29</p> |



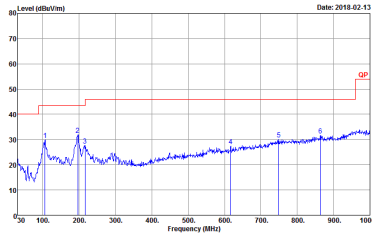
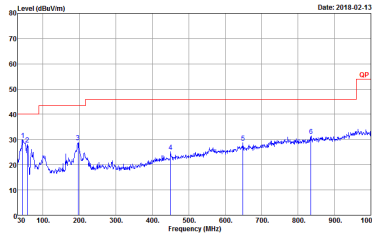
Band 3 – Straddle Channel  
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI         | Band 3 Straddle Channel Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                        |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH138 5690MHz                                                                                                                                                                                            |                                                                                                                                                                                                                        |
| 1            | Horizontal                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                               |
| Peak<br>Avg. |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 31</p> |  <p>Site : 03CH10-HY<br/>Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 31</p> |



Band 1 - Emission below 1GHz

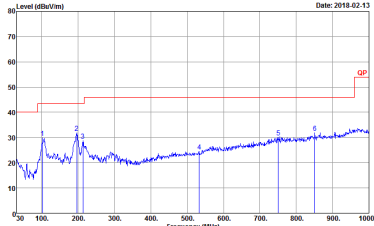
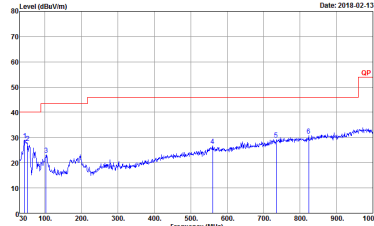
5GHz WIFI 802.11ac VHT80 (LF)

| WIFI         | 5GHz WIFI                                                                                                                                                                                                          |                                                                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a LF                                                                                                                                                                                                         |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                          |
| QP /<br>Peak |  <p>Site : 03CH10-44Y<br/>Condition : QP 3m BE-LOG 6111D-LF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 10</p> |  <p>Site : 03CH10-44Y<br/>Condition : QP 3m BE-LOG 6111D-LF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 10</p> |
|              |                                                                                                                                                                                                                    |                                                                                                                                                                                                                   |



Band 2 - Emission below 1GHz

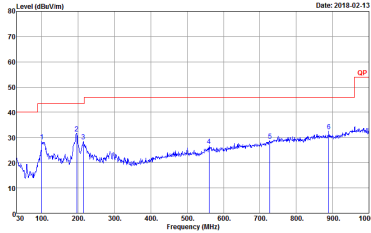
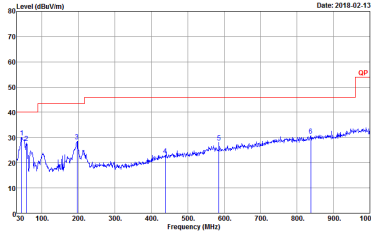
5GHz WIFI 802.11n HT20 (LF)

| WIFI         | 5GHz WIFI                                                                                                                                                                                                          |                                                                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 LF                                                                                                                                                                                                    |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                          |
| QP /<br>Peak |  <p>Site : 03CH10-44Y<br/>Condition : QP 3m BE-LOG 6111D-LF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 17</p> |  <p>Site : 03CH10-44Y<br/>Condition : QP 3m BE-LOG 6111D-LF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 17</p> |
|              |                                                                                                                                                                                                                    |                                                                                                                                                                                                                   |



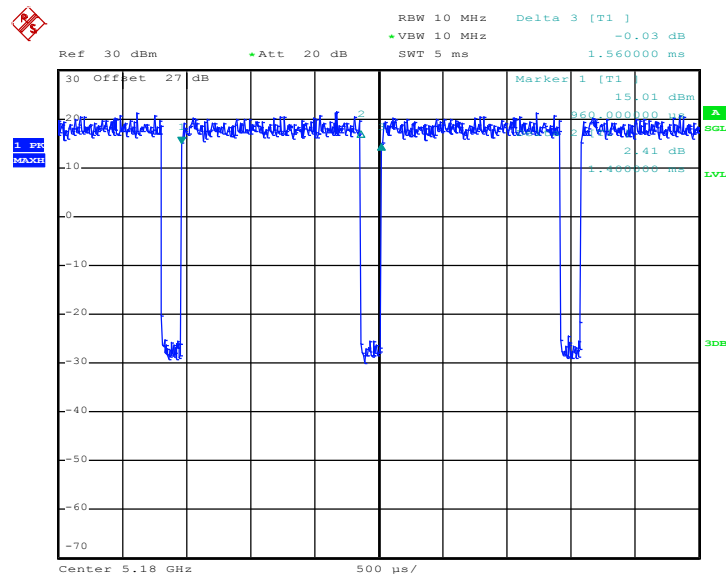
Band 3 - Emission below 1GHz

5GHz WIFI 802.11a (LF)

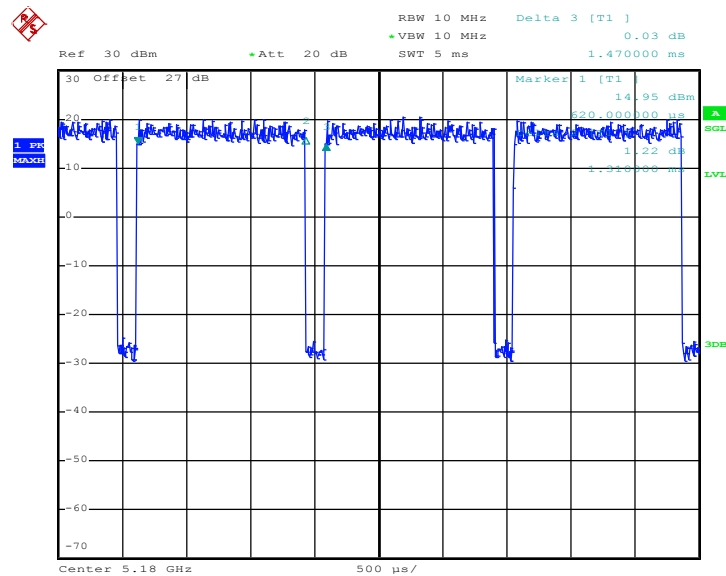
| WIFI         | 5GHz WIFI                                                                                                                                                                                                          |                                                                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 LF                                                                                                                                                                                                    |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                          |
| QP /<br>Peak |  <p>Site : 03CH10-44Y<br/>Condition : QP 3m BE-LOG 6111D-LF HORIZONTAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 32</p> |  <p>Site : 03CH10-44Y<br/>Condition : QP 3m BE-LOG 6111D-LF VERTICAL<br/>Detector : Peak<br/>Project : 813035<br/>Mode : 32</p> |
|              |                                                                                                                                                                                                                    |                                                                                                                                                                                                                   |

## Appendix E. Duty Cycle Plots

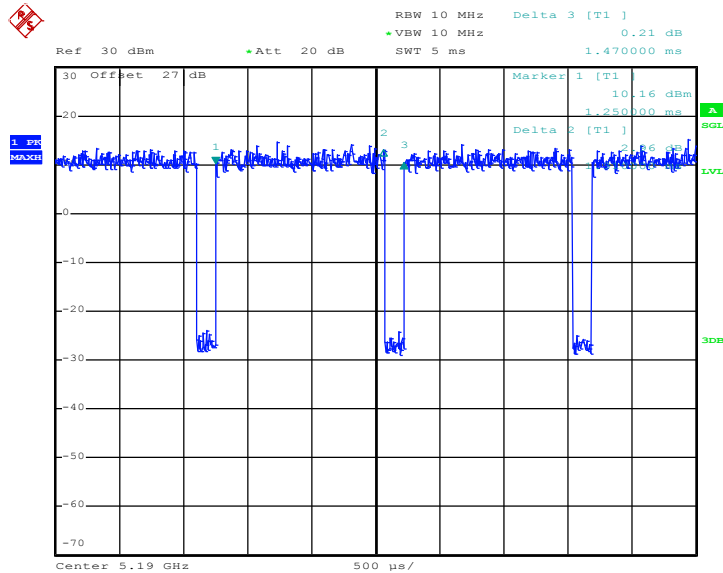
| Band               | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|--------------------|---------------|-------|----------|-------------|-----------------|
| 802.11a            | 89.74         | 1400  | 0.71     | 1kHz        | 0.47            |
| 5GHz 802.11n HT20  | 89.12         | 1310  | 0.76     | 1kHz        | 0.50            |
| 5GHz 802.11n HT40  | 89.12         | 1310  | 0.76     | 1kHz        | 0.50            |
| 5GHz 802.11n VHT20 | 89.19         | 1320  | 0.76     | 1kHz        | 0.50            |
| 5GHz 802.11n VHT40 | 90.29         | 948   | 1.05     | 3kHz        | 0.44            |
| 5GHz 802.11n VHT80 | 85.71         | 648   | 1.54     | 3kHz        | 0.67            |

**802.11a**


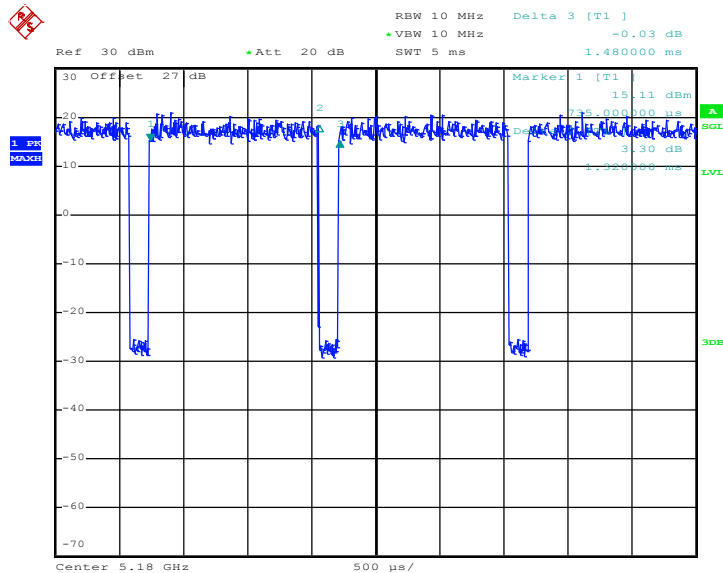
Date: 7.FEB.2018 16:21:10

**802.11n HT20**


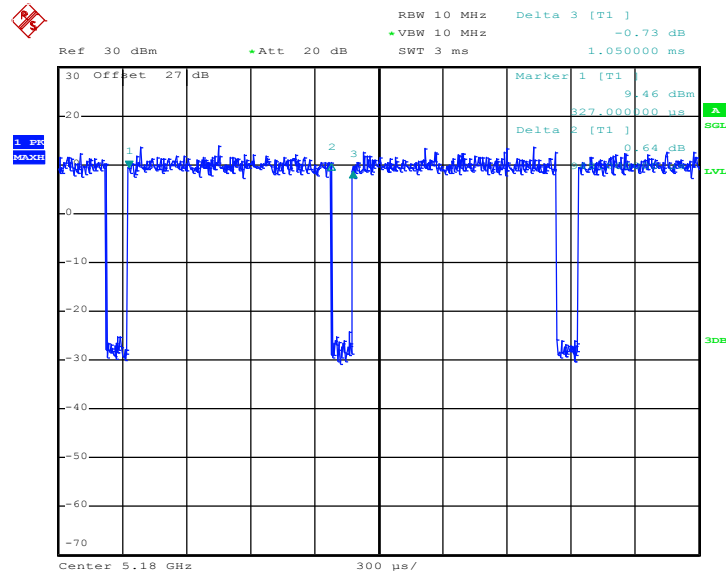
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**802.11n HT40**


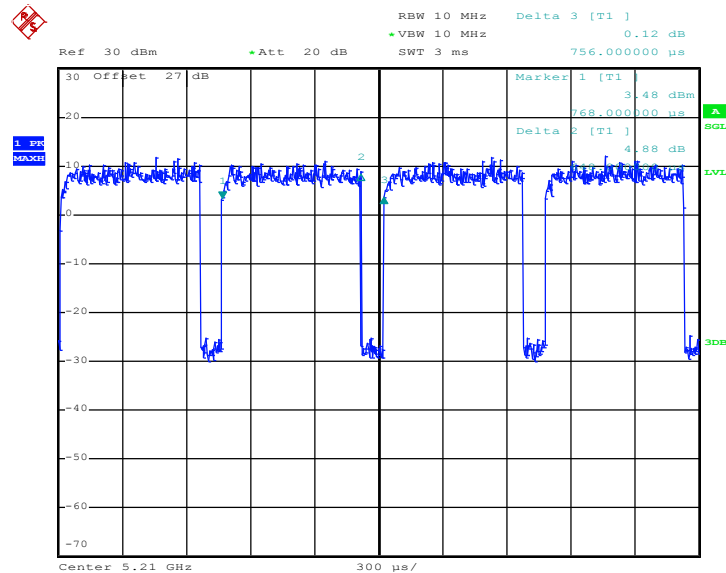
Date: 7.FEB.2018 17:12:07

**802.11ac VHT20**


Date: 7.FEB.2018 17:14:39

**802.11ac VHT40**


Date: 7.FEB.2018 17:24:08

**802.11ac VHT80**


Date: 7.FEB.2018 17:57:59