



# FCC RF Test Report

APPLICANT : MiTAC Digital Technology Corporation  
EQUIPMENT : Tablet  
BRAND NAME : MiTAC, Mio, NAVMAN, MAGELLAN  
MODEL NAME : N564B  
FCC ID : P4Q-N564B  
STANDARD : FCC Part 15 Subpart E §15.407  
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Feb. 08, 2018 and testing was completed on Apr. 16, 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: P4Q-N564B

Page Number : 1 of 28

Report Issued Date : Apr. 30, 2018

Report Version : Rev. 01

Report Template No.: BU5-FR15EWL AC MA Version 2.0



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## REVISION HISTORY

| REPORT NO.   | VERSION | DESCRIPTION             | ISSUED DATE   |
|--------------|---------|-------------------------|---------------|
| FR722135-07E | Rev. 01 | Initial issue of report | Apr. 30, 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 2.02 dB at 10600.000 MHz |
| 3.5            | 15.207             | AC Conducted Emission                  | 15.207(a)                | Pass   | Under limit 14.56 dB at 0.562 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

MiTAC Digital Technology Corporation

No.200, Wen Hua 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

## 1.2 Manufacturer

MITAC Computer (Kunshan) Co., Ltd.

No. 269, 2nd Avenue, District A, Comprehensive Free Trade Zone, 300 Kunshan, China

## 1.3 Product Feature of Equipment Under Test

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

| Product Specification subjective to this standard |                                                                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Sample 1                                          | EUT with SKU 1                                                                                                         |
| Sample 2                                          | EUT with SKU 2                                                                                                         |
| Integrated WWAN Module                            | Brand Name: u-blox<br>Model Name: LARA-R202                                                                            |
| Integrated WLAN Module                            | Brand Name: Qualcomm<br>Model Name: WCN3660B                                                                           |
| Antenna Type                                      | WWAN: PIFA Antenna<br>WLAN: PIFA Antenna<br>Bluetooth: PIFA Antenna<br>GPS/GLONASS: PATCH Antenna<br>NFC: Loop Antenna |

**Remark:** All test items were performed with Sample 1

### <Sample Information>

| SKU            | SKU 1               | SKU 2               |
|----------------|---------------------|---------------------|
| Model name     | N564B               | N564B               |
| WLAN           | Support (2.4G + 5G) | Support (2.4G + 5G) |
| WWAN           | Support             | Support             |
| RFID(13.56MHz) | Support             | Not Support         |
| RAM            | 2G                  | 2G                  |
| Storage        | 16G                 | 16G                 |
| Camera         | Support             | Support             |

## 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.

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

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

|                    |                                                                                                                                        |  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|--|
| Test Site          | SPORTON INTERNATIONAL INC.                                                                                                             |  |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |  |
| Test Site No.      | Sporton Site No.                                                                                                                       |  |
|                    | 03CH12-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:

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

## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

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

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

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

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



## 2.2 Test Mode

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

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

| Test Cases                                                               |                                                                                                         |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| AC Conducted Emission                                                    | Mode 1 : Bluetooth Link + WLAN (5GHz) Link + NFC On + USB Cable (Charging from AC Adapter) for Sample 1 |
| Remark: For Radiated Test Cases, the tests were performed with Sample 1. |                                                                                                         |

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

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

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

## 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      | N/A               | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 3.   | Bluetooth Earphone | Sony Ericsson | MW600          | PY7DDA-2029  | N/A               | N/A                                                        |
| 4.   | iPod Earphone      | Apple         | N/A            | Verification | Unshielded, 1.0 m | N/A                                                        |
| 5.   | SD Card            | SanDisk       | MicroSD HC     | FCC DoC      | N/A               | N/A                                                        |



## 2.5 EUT Operation Test Setup

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

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

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

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

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

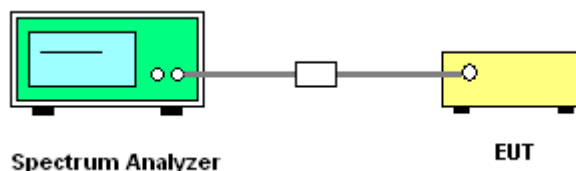
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

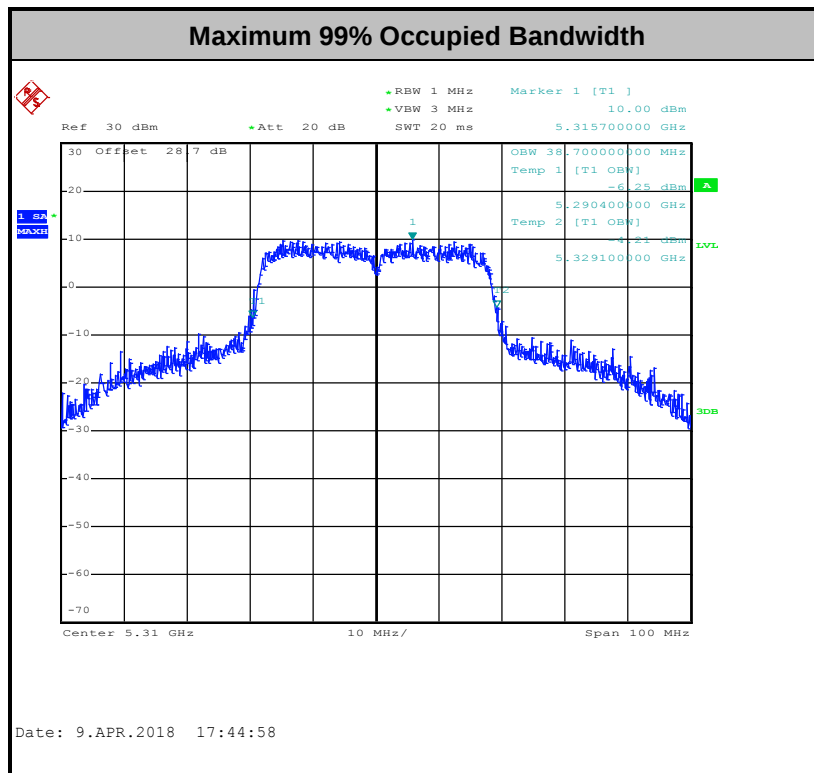
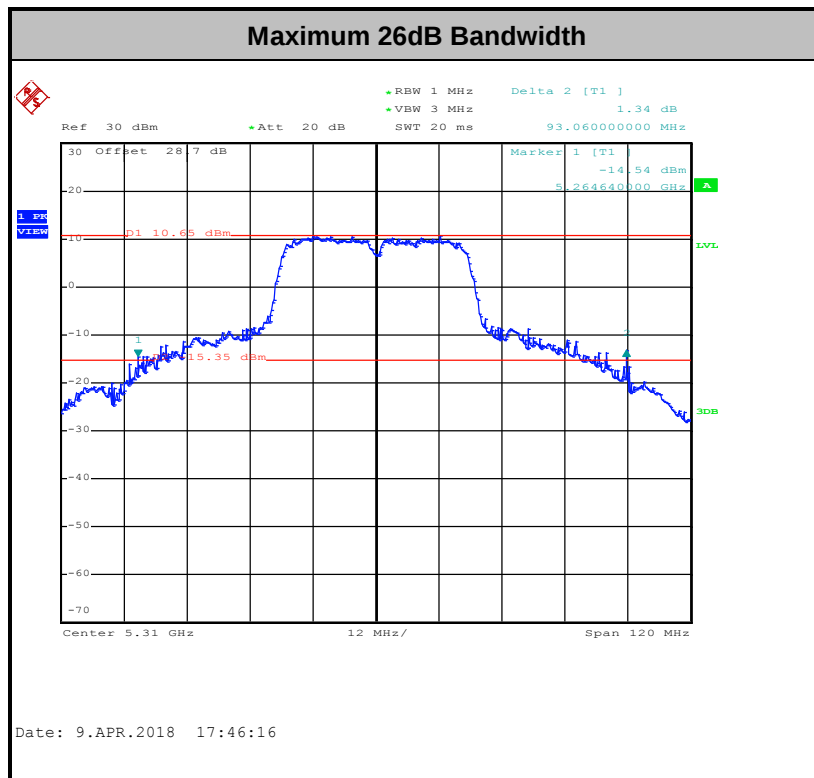
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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)  $\geq 3 * RBW$ .
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 dBm  $10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

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

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

### **3.2.2 Measuring Instruments**

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

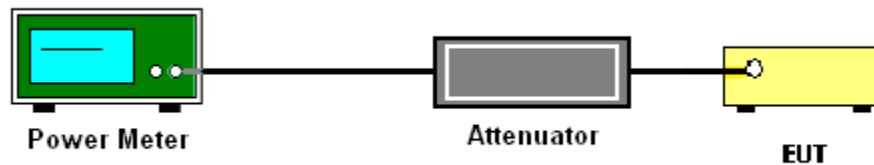
### 3.2.3 Test Procedures

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

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

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



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

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

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

For 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.

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).

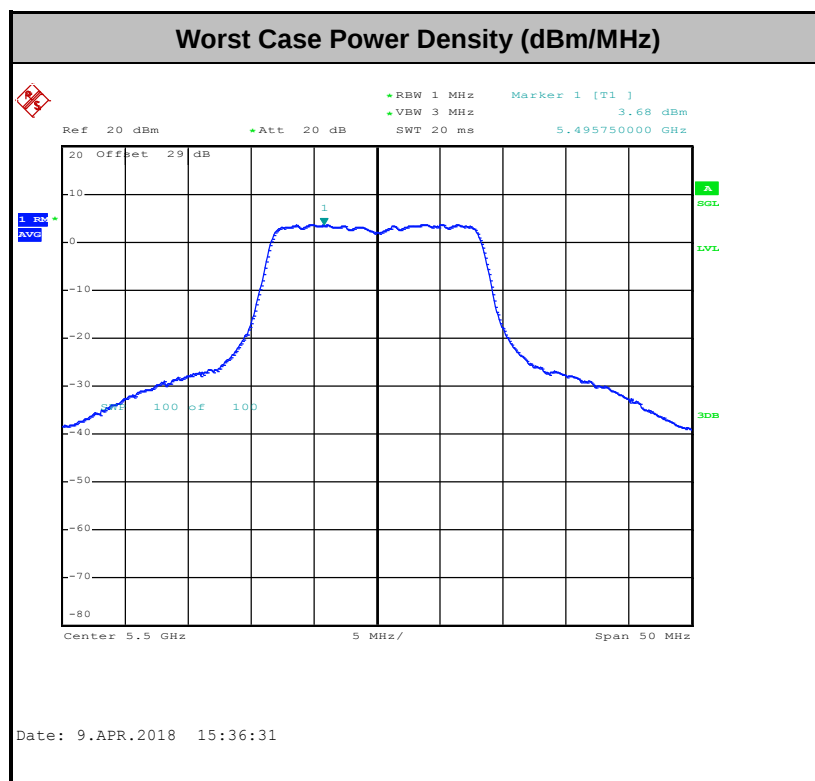
- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging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

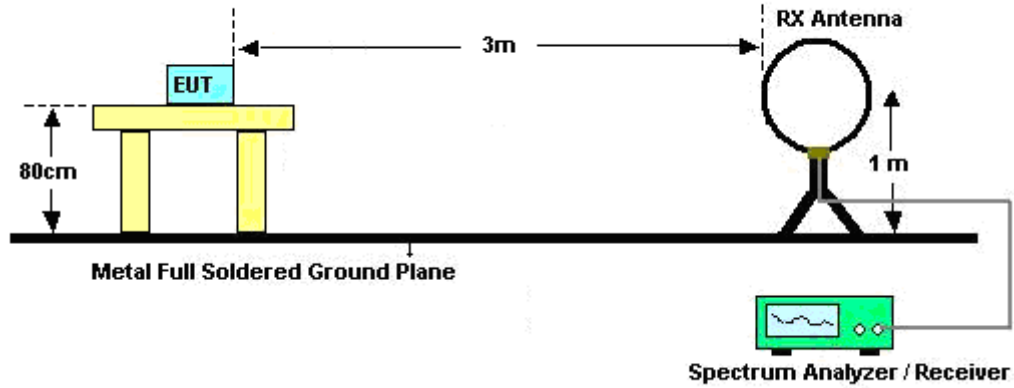
The measuring equipment is listed in the section 4 of this test report.

### 3.4.3 Test Procedures

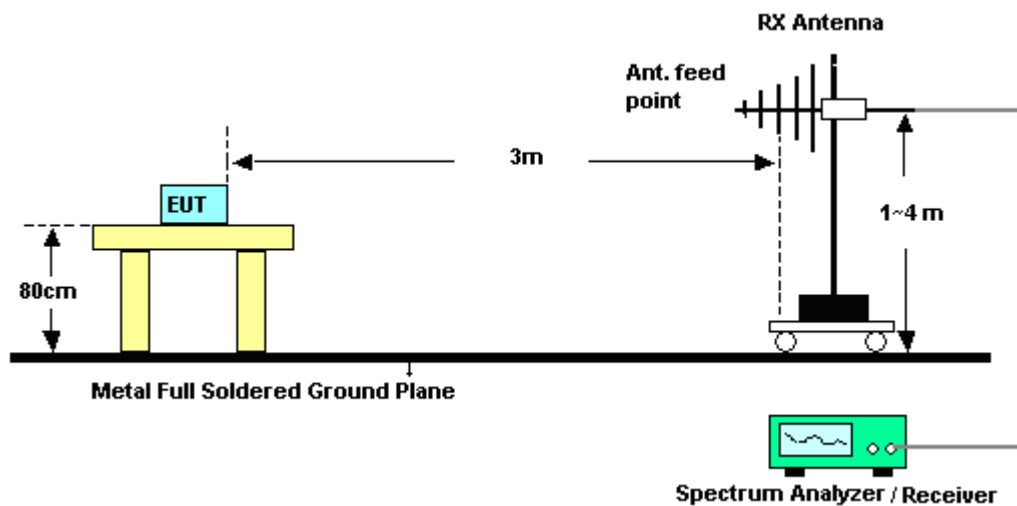
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section G) Unwanted emissions measurement.  
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
  - RBW = 120 kHz
  - VBW = 300 kHz
  - Detector = Peak
  - Trace mode = max hold(2) Procedure for Peak 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

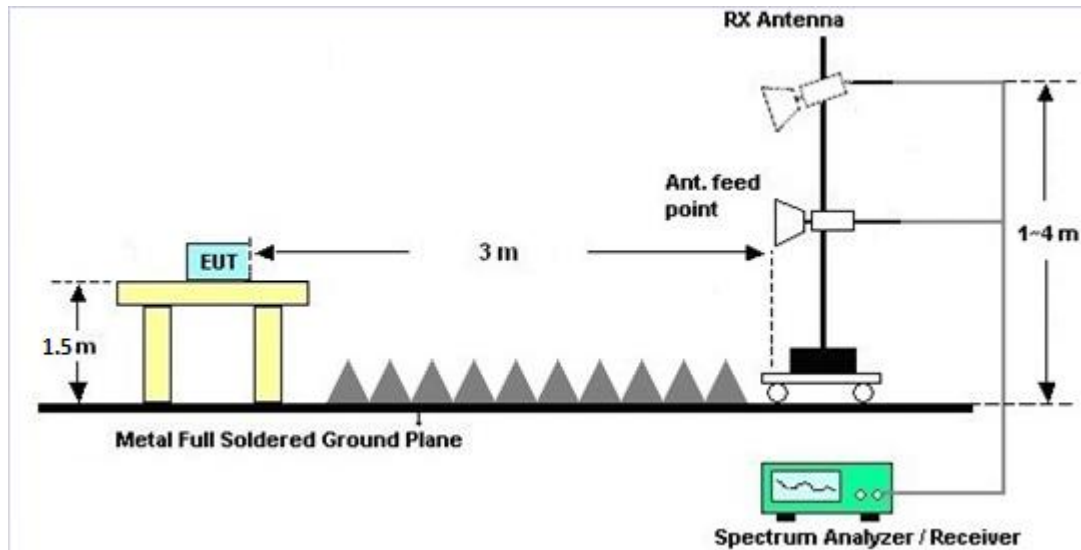
For radiated emissions below 30MHz



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 (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15-0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5-5                       | 56                           | 46        |
| 5-30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

For terminal test result, the testing follows FCC KDB 174176.

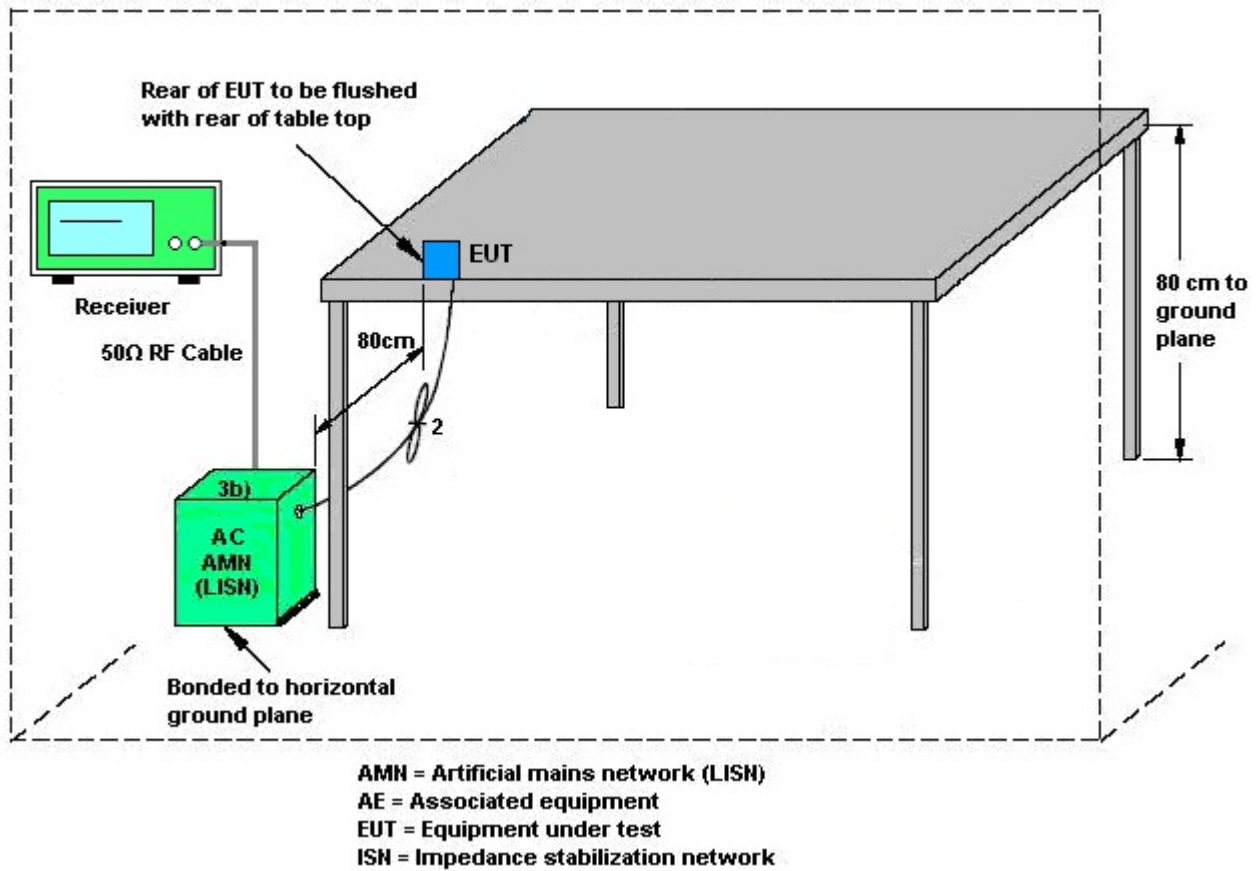
#### 3.5.2 Measuring Instruments

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                              | 1240001            | N/A                                 | Sep. 07, 2017    | Feb. 14, 2018~<br>Apr. 16, 2018 | Sep. 06, 2018 | Conducted<br>(TH05-HY)   |
| Power Sensor          | Anritsu               | MA2411B                              | 1207349            | 300MHz~40GHz<br>z                   | Sep. 07, 2017    | Feb. 14, 2018~<br>Apr. 16, 2018 | Sep. 06, 2018 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer     | Rohde & Schwarz       | FSP40                                | 100055             | 9kHz~40GHz                          | Jun. 20, 2017    | Feb. 14, 2018~<br>Apr. 16, 2018 | Jun. 19, 2018 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable | Burgeon               | ETF-058                              | EC130048<br>4      | N/A                                 | Mar. 02, 2017    | Feb. 14, 2018~<br>Feb. 28, 2018 | Mar. 01, 2018 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable | Burgeon               | ETF-058                              | EC130048<br>4      | N/A                                 | Mar. 01, 2018    | Mar. 01, 2018~<br>Apr. 16, 2018 | Feb. 28, 2019 | Conducted<br>(TH05-HY)   |
| AC Power Source       | ChainTek              | APC-1000W                            | N/A                | N/A                                 | N/A              | Mar. 24, 2018~<br>Mar. 29, 2018 | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver     | Rohde & Schwarz       | ESR3                                 | 102388             | 3.6GHz                              | Dec. 08, 2017    | Mar. 24, 2018~<br>Mar. 29, 2018 | Dec. 07, 2018 | Conduction<br>(CO05-HY)  |
| LISN                  | Rohde & Schwarz       | ENV216                               | 100080             | 9kHz~30MHz                          | Nov. 30, 2017    | Mar. 24, 2018~<br>Mar. 29, 2018 | Nov. 29, 2018 | Conduction<br>(CO05-HY)  |
| Test Software         | Rohde & Schwarz       | EMC32<br>V10.30                      | N/A                | N/A                                 | N/A              | Mar. 24, 2018~<br>Mar. 29, 2018 | N/A           | Conduction<br>(CO05-HY)  |
| LF Cable              | HUBER +<br>SUHNER     | RG-214/U                             | LF01               | N/A                                 | Jan. 03, 2018    | Mar. 24, 2018~<br>Mar. 29, 2018 | Jan. 02, 2019 | Conduction<br>(CO05-HY)  |
| Pulse Limiter         | Rohde & Schwarz       | ESH3-Z2                              | 100851             | N/A                                 | Jan. 03, 2018    | Mar. 24, 2018~<br>Mar. 29, 2018 | Jan. 02, 2019 | Conduction<br>(CO05-HY)  |
| Amplifier             | MITEQ                 | TTA1840-35-<br>HG                    | 1871923            | 18GHz~40GHz,<br>VSWR : 2.5:1<br>max | Jul. 18, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Jul. 17, 2018 | Radiation<br>(03CH12-HY) |
| Spectrum Analyzer     | Keysight              | N9010A                               | MY542004<br>85     | 10Hz ~ 44GHz                        | Oct. 31, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Oct. 30, 2018 | Radiation<br>(03CH12-HY) |
| Bilog Antenna         | TESEQ                 | CBL<br>6111D&N-6-0<br>6              | 35414&AT-<br>N0602 | 30MHz~1GHz                          | Oct. 14, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Oct. 13, 2018 | Radiation<br>(03CH12-HY) |
| Loop Antenna          | Rohde & Schwarz       | HFH2-Z2                              | 100488             | 9 kHz~30 MHz                        | Nov. 23, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Nov. 22, 2018 | Radiation<br>(03CH12-HY) |
| EMI Test Receiver     | Rohde & Schwarz       | ESU26                                | 100390             | 20Hz~26.5GHz                        | Dec. 25, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Dec. 24, 2018 | Radiation<br>(03CH12-HY) |
| Horn Antenna          | SCHWARZBE<br>CK       | BBHA 9120D                           | 9120D-132<br>8     | 1GHz ~ 18GHz                        | Oct. 20, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Oct. 19, 2018 | Radiation<br>(03CH12-HY) |
| Amplifier             | Sonoma-Instru<br>ment | 310 N                                | 187282             | 9KHz~1GHz                           | Jan. 19, 2018    | Mar. 22, 2018~<br>Apr. 02, 2018 | Jan. 18, 2020 | Radiation<br>(03CH12-HY) |
| Preamplifier          | Keysight              | 83017A                               | MY532701<br>48     | 1GHz~26.5GHz                        | Jan. 15, 2018    | Mar. 22, 2018~<br>Apr. 02, 2018 | Jan. 14, 2019 | Radiation<br>(03CH12-HY) |
| Filter                | Wainwright            | WLKS1200-1<br>2SS                    | SN2                | 1.2G Low Pass                       | Jul. 17, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Jul. 16, 2018 | Radiation<br>(03CH12-HY) |
| Filter                | Woken                 | WHKX8-5272.<br>5-6750-18000<br>-40ST | SN2                | 6.75G Highpass                      | Jul. 17, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Jul. 16, 2018 | Radiation<br>(03CH12-HY) |
| Antenna Mast          | EMEC                  | AM-BS-4500-<br>B                     | N/A                | 1m~4m                               | N/A              | Mar. 22, 2018~<br>Apr. 02, 2018 | N/A           | Radiation<br>(03CH12-HY) |



| Instrument           | Manufacturer      | Model No.                  | Serial No.      | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                   |
|----------------------|-------------------|----------------------------|-----------------|-----------------|------------------|---------------------------------|---------------|--------------------------|
| Turn Table           | EMEC              | TT2000                     | N/A             | 0~360 Degree    | N/A              | Mar. 22, 2018~<br>Apr. 02, 2018 | N/A           | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK       | BBHA 9170                  | BBHA9170<br>576 | 18GHz ~ 40GHz   | Apr. 27, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Apr. 26, 2018 | Radiation<br>(03CH12-HY) |
| Preamplifier         | MITEQ             | AMF-7D-0010<br>1800-30-10P | 1590074         | 1GHz~18GHz      | May 22, 2017     | Mar. 22, 2018~<br>Apr. 02, 2018 | May 21, 2018  | Radiation<br>(03CH12-HY) |
| Test Software        | Audix             | E3<br>6.2009-8-24          | RK-00098<br>9   | N/A             | N/A              | Mar. 22, 2018~<br>Apr. 02, 2018 | N/A           | Radiation<br>(03CH12-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX<br>126E           | 0058/126E       | 30M-18G         | Mar. 14, 2018    | Mar. 22, 2018~<br>Apr. 02, 2018 | Mar. 13, 2019 | Radiation<br>(03CH12-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX<br>104            | MY15539/<br>4   | 30M-18G         | Mar. 14, 2018    | Mar. 22, 2018~<br>Apr. 02, 2018 | Mar. 13, 2019 | Radiation<br>(03CH12-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX<br>104            | MY36979/<br>4   | 30M-18G         | Mar. 14, 2018    | Mar. 22, 2018~<br>Apr. 02, 2018 | Mar. 13, 2019 | Radiation<br>(03CH12-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX<br>102            | 505134/2        | 30M~40GHz       | Oct. 17, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Oct. 16, 2018 | Radiation<br>(03CH12-HY) |
| RF Cable             | HUBER +<br>SUHNER | SUCOFLEX<br>102            | 800740/2        | 30M~40GHz       | Oct. 17, 2017    | Mar. 22, 2018~<br>Apr. 02, 2018 | Oct. 16, 2018 | Radiation<br>(03CH12-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% ( $U = 2Uc(y)$ ) | 5.10 |
|----------------------------------------------------------------------------|------|

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

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

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

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2Uc(y)$ ) | 4.70 |
|----------------------------------------------------------------------------|------|

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

|                |                        |                    |       |    |
|----------------|------------------------|--------------------|-------|----|
| Test Engineer: | White Lin / Rebecca Li | Temperature:       | 21~25 | °C |
| Test Date:     | 2018/2/14~2018/4/16    | Relative Humidity: | 51~54 | %  |

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

| Band I |           |     |     |             |                     |                       |                                    |                                   |   |      |
|--------|-----------|-----|-----|-------------|---------------------|-----------------------|------------------------------------|-----------------------------------|---|------|
| Mod.   | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | 26 dB Bandwidth (MHz) | IC 99% Bandwidth Power Limit (dBm) | IC 99% Bandwidth EIRP Limit (dBm) | - | Note |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 19.35               | 42.65                 | -                                  | 22.87                             |   |      |
| 11a    | 6Mbps     | 1   | 44  | 5220        | 19.15               | 42.19                 | -                                  | 22.82                             |   |      |
| 11a    | 6Mbps     | 1   | 48  | 5240        | 19.20               | 42.30                 | -                                  | 22.83                             |   |      |
| HT20   | MCS0      | 1   | 36  | 5180        | 19.90               | 46.60                 | -                                  | 22.99                             |   |      |
| HT20   | MCS0      | 1   | 44  | 5220        | 19.95               | 46.60                 | -                                  | 23.00                             |   |      |
| HT20   | MCS0      | 1   | 48  | 5240        | 19.85               | 46.15                 | -                                  | 22.98                             |   |      |
| HT40   | MCS0      | 1   | 38  | 5190        | 36.80               | 76.14                 | -                                  | 23.01                             |   |      |
| HT40   | MCS0      | 1   | 46  | 5230        | 37.90               | 89.64                 | -                                  | 23.01                             |   |      |

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

| FCC Band I |           |     |     |             |                  |                               |                                 |          |   |           |
|------------|-----------|-----|-----|-------------|------------------|-------------------------------|---------------------------------|----------|---|-----------|
| Mod.       | Data Rate | Ntx | CH. | Freq. (MHz) | Duty Factor (dB) | Average Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | DG (dBi) | - | Pass/Fail |
| 11a        | 6Mbps     | 1   | 36  | 5180        | 0.59             | 13.85                         | 24.00                           | 2.95     |   | Pass      |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 0.59             | 13.76                         | 24.00                           | 2.95     |   | Pass      |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 0.59             | 13.96                         | 24.00                           | 2.95     |   | Pass      |
| HT20       | MCS0      | 1   | 36  | 5180        | 0.63             | 13.68                         | 24.00                           | 2.95     |   | Pass      |
| HT20       | MCS0      | 1   | 44  | 5220        | 0.63             | 13.56                         | 24.00                           | 2.95     |   | Pass      |
| HT20       | MCS0      | 1   | 48  | 5240        | 0.63             | 13.71                         | 24.00                           | 2.95     |   | Pass      |
| HT40       | MCS0      | 1   | 38  | 5190        | 0.70             | 13.55                         | 24.00                           | 2.95     |   | Pass      |
| HT40       | MCS0      | 1   | 46  | 5230        | 0.70             | 13.98                         | 24.00                           | 2.95     |   | Pass      |

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

| FCC Band I |           |                 |     |             |                  |                                 |                             |          |   |           |
|------------|-----------|-----------------|-----|-------------|------------------|---------------------------------|-----------------------------|----------|---|-----------|
| Mod.       | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Duty Factor (dB) | Average Power Density (dBm/MHz) | Average PSD Limit (dBm/MHz) | DG (dBi) | - | Pass/Fail |
| 11a        | 6Mbps     | 1               | 36  | 5180        | 0.59             | 0.96                            | 11.00                       | 2.95     |   | Pass      |
| 11a        | 6Mbps     | 1               | 44  | 5220        | 0.59             | 1.22                            | 11.00                       | 2.95     |   | Pass      |
| 11a        | 6Mbps     | 1               | 48  | 5240        | 0.59             | 1.49                            | 11.00                       | 2.95     |   | Pass      |
| HT20       | MCS0      | 1               | 36  | 5180        | 0.63             | 0.79                            | 11.00                       | 2.95     |   | Pass      |
| HT20       | MCS0      | 1               | 44  | 5220        | 0.63             | 0.83                            | 11.00                       | 2.95     |   | Pass      |
| HT20       | MCS0      | 1               | 48  | 5240        | 0.63             | 1.25                            | 11.00                       | 2.95     |   | Pass      |
| HT40       | MCS0      | 1               | 38  | 5190        | 0.70             | -2.10                           | 11.00                       | 2.95     |   | Pass      |
| HT40       | MCS0      | 1               | 46  | 5230        | 0.70             | -1.56                           | 11.00                       | 2.95     |   | Pass      |

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

| Band II |           |                 |     |             |                     |                       |                                    |                                   |                                      |      |
|---------|-----------|-----------------|-----|-------------|---------------------|-----------------------|------------------------------------|-----------------------------------|--------------------------------------|------|
| Mod.    | Data Rate | N <sub>TX</sub> | 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        | 18.90               | 43.20                 | 23.76                              | 29.76                             | 23.98                                |      |
| 11a     | 6M bps    | 1               | 60  | 5300        | 18.70               | 41.65                 | 23.72                              | 29.72                             | 23.98                                |      |
| 11a     | 6M bps    | 1               | 64  | 5320        | 18.65               | 41.90                 | 23.71                              | 29.71                             | 23.98                                |      |
| HT20    | MCS 0     | 1               | 52  | 5260        | 19.80               | 44.25                 | 23.97                              | 29.97                             | 23.98                                |      |
| HT20    | MCS 0     | 1               | 60  | 5300        | 19.55               | 45.50                 | 23.91                              | 29.91                             | 23.98                                |      |
| HT20    | MCS 0     | 1               | 64  | 5320        | 19.75               | 45.40                 | 23.96                              | 29.96                             | 23.98                                |      |
| HT40    | MCS 0     | 1               | 54  | 5270        | 37.70               | 90.00                 | 23.98                              | 30.00                             | 23.98                                |      |
| HT40    | MCS 0     | 1               | 62  | 5310        | 38.70               | 93.06                 | 23.98                              | 30.00                             | 23.98                                |      |

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

| FCC Band II |           |                 |     |             |                  |                               |                                 |          |                        |           |
|-------------|-----------|-----------------|-----|-------------|------------------|-------------------------------|---------------------------------|----------|------------------------|-----------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Duty Factor (dB) | Average Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | DG (dBi) | EIRP Power Limit (dBm) | Pass/Fail |
| 11a         | 6M bps    | 1               | 52  | 5260        | 0.59             | 14.71                         | 23.98                           | 2.41     | 26.99                  | Pass      |
| 11a         | 6M bps    | 1               | 60  | 5300        | 0.59             | 14.88                         | 23.98                           | 2.41     | 26.99                  | Pass      |
| 11a         | 6M bps    | 1               | 64  | 5320        | 0.59             | 14.97                         | 23.98                           | 2.41     | 26.99                  | Pass      |
| HT20        | MCS 0     | 1               | 52  | 5260        | 0.63             | 14.78                         | 23.98                           | 2.41     | 26.99                  | Pass      |
| HT20        | MCS 0     | 1               | 60  | 5300        | 0.63             | 14.74                         | 23.98                           | 2.41     | 26.99                  | Pass      |
| HT20        | MCS 0     | 1               | 64  | 5320        | 0.63             | 15.12                         | 23.98                           | 2.41     | 26.99                  | Pass      |
| HT40        | MCS 0     | 1               | 54  | 5270        | 0.70             | 15.17                         | 23.98                           | 2.41     | 26.99                  | Pass      |
| HT40        | MCS 0     | 1               | 62  | 5310        | 0.70             | 14.52                         | 23.98                           | 2.41     | 26.99                  | Pass      |

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

| Band II |           |                 |     |             |                  |                                 |                             |          |   |           |
|---------|-----------|-----------------|-----|-------------|------------------|---------------------------------|-----------------------------|----------|---|-----------|
| 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     | 6M bps    | 1               | 52  | 5260        | 0.59             | 2.28                            | 11.00                       | 2.41     |   | Pass      |
| 11a     | 6M bps    | 1               | 60  | 5300        | 0.59             | 2.43                            | 11.00                       | 2.41     |   | Pass      |
| 11a     | 6M bps    | 1               | 64  | 5320        | 0.59             | 2.87                            | 11.00                       | 2.41     |   | Pass      |
| HT20    | MCS 0     | 1               | 52  | 5260        | 0.63             | 2.09                            | 11.00                       | 2.41     |   | Pass      |
| HT20    | MCS 0     | 1               | 60  | 5300        | 0.63             | 2.13                            | 11.00                       | 2.41     |   | Pass      |
| HT20    | MCS 0     | 1               | 64  | 5320        | 0.63             | 2.56                            | 11.00                       | 2.41     |   | Pass      |
| HT40    | MCS 0     | 1               | 54  | 5270        | 0.70             | -0.34                           | 11.00                       | 2.41     |   | Pass      |
| HT40    | MCS 0     | 1               | 62  | 5310        | 0.70             | -0.70                           | 11.00                       | 2.41     |   | Pass      |

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

| Band III |           |                 |     |             |                                |                                  |                                    |                                   |                                      |                                          |
|----------|-----------|-----------------|-----|-------------|--------------------------------|----------------------------------|------------------------------------|-----------------------------------|--------------------------------------|------------------------------------------|
| Mod.     | Data Rate | N <sub>TX</sub> | 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        | 18.30                          | 40.25                            | 23.62                              | 29.62                             | 23.98                                | ----                                     |
| 11a      | 6M bps    | 1               | 116 | 5580        | 18.30                          | 36.40                            | 23.62                              | 29.62                             | 23.98                                | ----                                     |
| 11a      | 6M bps    | 1               | 140 | 5700        | 18.10                          | 23.70                            | 23.58                              | 29.58                             | 23.98                                | ----                                     |
| HT20     | MCS 0     | 1               | 100 | 5500        | 19.20                          | 43.30                            | 23.83                              | 29.83                             | 23.98                                | ----                                     |
| HT20     | MCS 0     | 1               | 116 | 5580        | 19.15                          | 42.50                            | 23.82                              | 29.82                             | 23.98                                | ----                                     |
| HT20     | MCS 0     | 1               | 140 | 5700        | 18.90                          | 24.30                            | 23.76                              | 29.76                             | 23.98                                | ----                                     |
| HT40     | MCS 0     | 1               | 102 | 5510        | 36.90                          | 79.74                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |
| HT40     | MCS 0     | 1               | 110 | 5550        | 36.80                          | 79.20                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |
| HT40     | MCS 0     | 1               | 134 | 5670        | 36.80                          | 75.42                            | 23.98                              | 30.00                             | 23.98                                | ----                                     |

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

| FCC Band III |           |                 |     |             |                  |                               |                                 |          |                        |           |
|--------------|-----------|-----------------|-----|-------------|------------------|-------------------------------|---------------------------------|----------|------------------------|-----------|
| Mod.         | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Duty Factor (dB) | Average Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | DG (dBi) | EIRP Power Limit (dBm) | Pass/Fail |
| 11a          | 6M bps    | 1               | 100 | 5500        | 0.59             | 14.05                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| 11a          | 6M bps    | 1               | 116 | 5580        | 0.59             | 14.14                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| 11a          | 6M bps    | 1               | 140 | 5700        | 0.59             | 13.85                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| HT20         | MCS 0     | 1               | 100 | 5500        | 0.63             | 14.18                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| HT20         | MCS 0     | 1               | 116 | 5580        | 0.63             | 13.94                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| HT20         | MCS 0     | 1               | 140 | 5700        | 0.63             | 13.17                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| HT40         | MCS 0     | 1               | 102 | 5510        | 0.70             | 14.24                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| HT40         | MCS 0     | 1               | 110 | 5550        | 0.70             | 14.26                         | 23.98                           | 3.04     | 26.99                  | Pass      |
| HT40         | MCS 0     | 1               | 134 | 5670        | 0.70             | 14.28                         | 23.98                           | 3.04     | 26.99                  | Pass      |

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

| Band III |           |                 |     |             |                  |                                 |                             |          |   |           |
|----------|-----------|-----------------|-----|-------------|------------------|---------------------------------|-----------------------------|----------|---|-----------|
| 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      | 6M bps    | 1               | 100 | 5500        | 0.59             | 1.81                            | 11.00                       | 3.04     |   | Pass      |
| 11a      | 6M bps    | 1               | 116 | 5580        | 0.59             | 2.37                            | 11.00                       | 3.04     |   | Pass      |
| 11a      | 6M bps    | 1               | 140 | 5700        | 0.59             | 2.08                            | 11.00                       | 3.04     |   | Pass      |
| HT20     | MCS 0     | 1               | 100 | 5500        | 0.63             | 1.51                            | 11.00                       | 3.04     |   | Pass      |
| HT20     | MCS 0     | 1               | 116 | 5580        | 0.63             | 1.37                            | 11.00                       | 3.04     |   | Pass      |
| HT20     | MCS 0     | 1               | 140 | 5700        | 0.63             | 0.13                            | 11.00                       | 3.04     |   | Pass      |
| HT40     | MCS 0     | 1               | 102 | 5510        | 0.70             | -0.60                           | 11.00                       | 3.04     |   | Pass      |
| HT40     | MCS 0     | 1               | 110 | 5550        | 0.70             | -0.60                           | 11.00                       | 3.04     |   | Pass      |
| HT40     | MCS 0     | 1               | 134 | 5670        | 0.70             | -0.81                           | 11.00                       | 3.04     |   | Pass      |



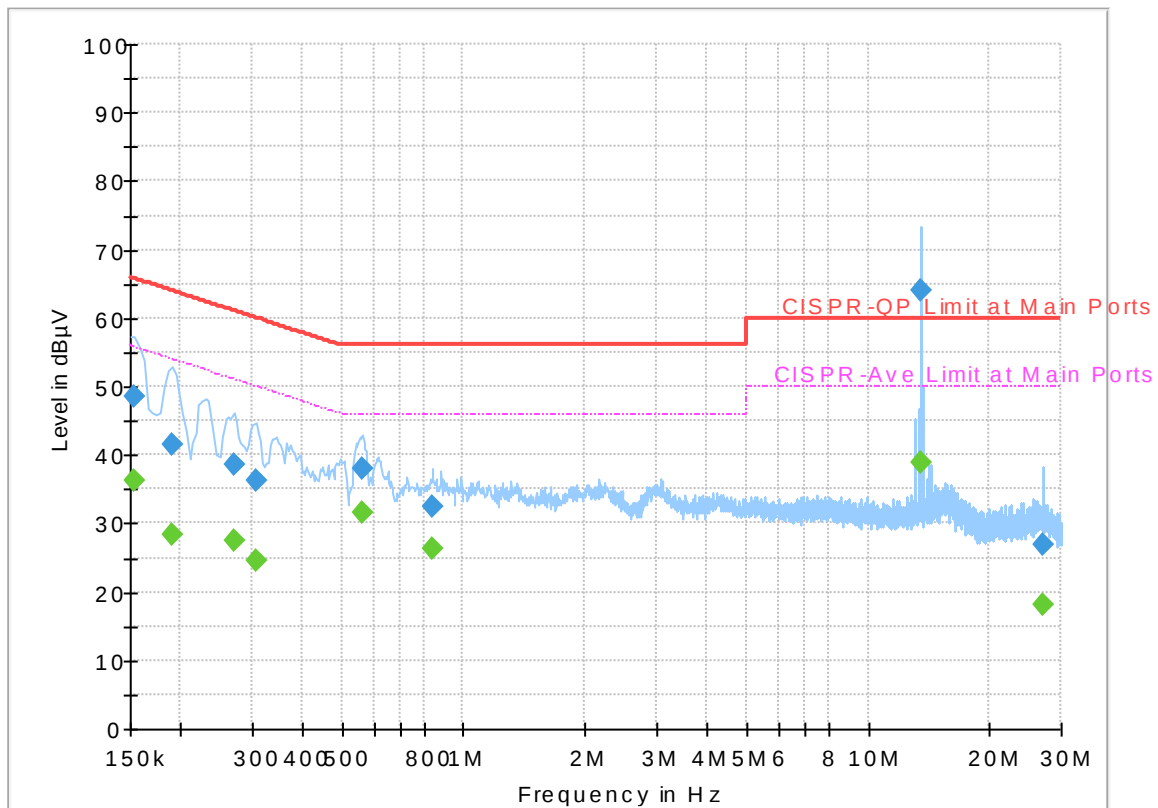
## **Appendix B. AC Conducted Emission Test Results**

|                        |            |                            |        |
|------------------------|------------|----------------------------|--------|
| <b>Test Engineer :</b> | Shareef Yu | <b>Temperature :</b>       | 23~24℃ |
|                        |            | <b>Relative Humidity :</b> | 58~62% |

## EUT Information

Report NO : 722135-07  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line  
Original Mode

Full Spectrum



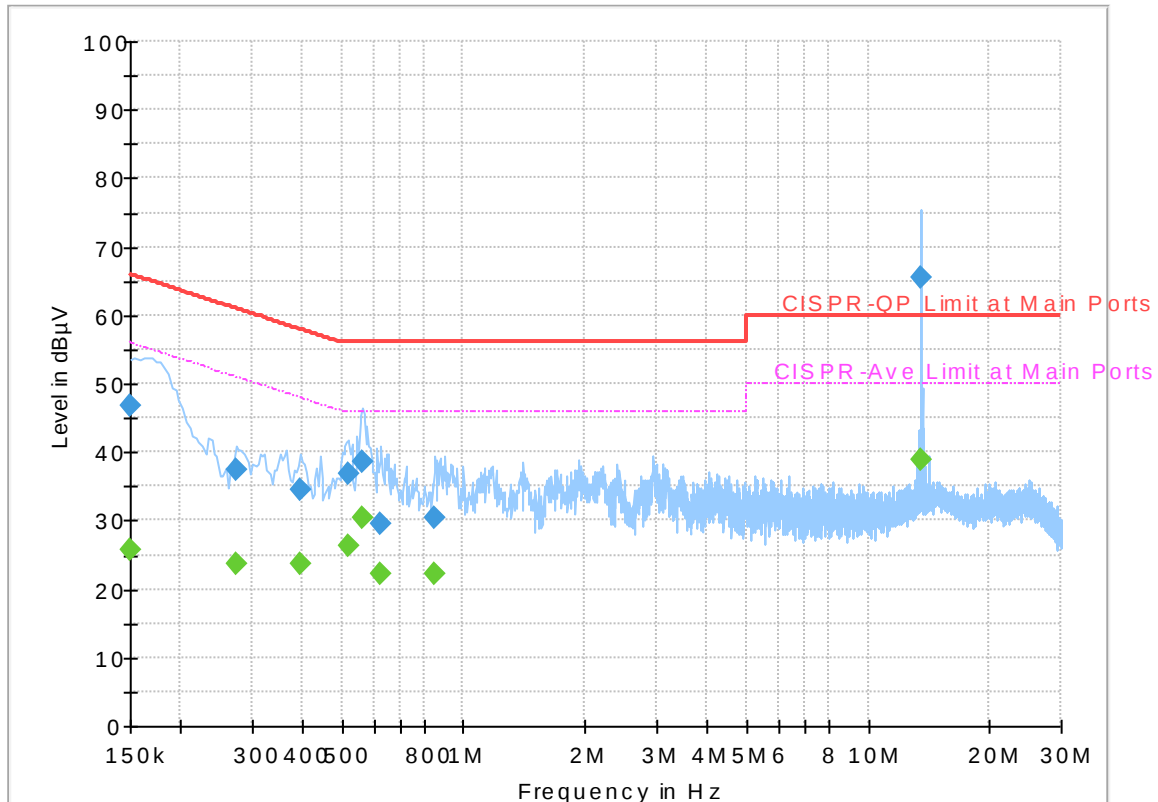
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------|--------|------------|
| 0.154000        | ---              | 36.29          | 55.78        | 19.49       | L1   | OFF    | 19.5       |
| 0.154000        | 48.48            | ---            | 65.78        | 17.30       | L1   | OFF    | 19.5       |
| 0.190000        | ---              | 28.37          | 54.04        | 25.67       | L1   | OFF    | 19.5       |
| 0.190000        | 41.44            | ---            | 64.04        | 22.60       | L1   | OFF    | 19.5       |
| 0.270000        | ---              | 27.45          | 51.12        | 23.67       | L1   | OFF    | 19.5       |
| 0.270000        | 38.62            | ---            | 61.12        | 22.50       | L1   | OFF    | 19.5       |
| 0.306000        | ---              | 24.62          | 50.08        | 25.46       | L1   | OFF    | 19.5       |
| 0.306000        | 36.33            | ---            | 60.08        | 23.75       | L1   | OFF    | 19.5       |
| 0.562000        | ---              | 31.44          | 46.00        | 14.56       | L1   | OFF    | 19.5       |
| 0.562000        | 38.13            | ---            | 56.00        | 17.87       | L1   | OFF    | 19.5       |
| 0.838000        | ---              | 26.22          | 46.00        | 19.78       | L1   | OFF    | 19.5       |
| 0.838000        | 32.36            | ---            | 56.00        | 23.64       | L1   | OFF    | 19.5       |
| 13.560000       | ---              | 39.01          | 50.00        | 10.99       | L1   | OFF    | 19.7       |
| 13.560000       | 64.13            | ---            | 60.00        | -4.13       | L1   | OFF    | 19.7       |
| 27.082000       | ---              | 18.25          | 50.00        | 31.75       | L1   | OFF    | 19.8       |
| 27.082000       | 26.91            | ---            | 60.00        | 33.09       | L1   | OFF    | 19.8       |

## EUT Information

Report NO : 722135-07  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral  
Original Mode

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------|--------|------------|
| 0.150000        | ---              | 25.67          | 56.00        | 30.33       | N    | OFF    | 19.5       |
| 0.150000        | 46.87            | ---            | 66.00        | 19.13       | N    | OFF    | 19.5       |
| 0.274000        | ---              | 23.83          | 51.00        | 27.17       | N    | OFF    | 19.5       |
| 0.274000        | 37.32            | ---            | 61.00        | 23.68       | N    | OFF    | 19.5       |
| 0.394000        | ---              | 23.59          | 47.98        | 24.39       | N    | OFF    | 19.5       |
| 0.394000        | 34.40            | ---            | 57.98        | 23.58       | N    | OFF    | 19.5       |
| 0.518000        | ---              | 26.31          | 46.00        | 19.69       | N    | OFF    | 19.5       |
| 0.518000        | 36.89            | ---            | 56.00        | 19.11       | N    | OFF    | 19.5       |
| 0.562000        | ---              | 30.27          | 46.00        | 15.73       | N    | OFF    | 19.5       |
| 0.562000        | 38.62            | ---            | 56.00        | 17.38       | N    | OFF    | 19.5       |
| 0.626000        | ---              | 22.21          | 46.00        | 23.79       | N    | OFF    | 19.5       |
| 0.626000        | 29.58            | ---            | 56.00        | 26.42       | N    | OFF    | 19.5       |
| 0.850000        | ---              | 22.34          | 46.00        | 23.66       | N    | OFF    | 19.5       |
| 0.850000        | 30.35            | ---            | 56.00        | 25.65       | N    | OFF    | 19.5       |
| 13.560000       | ---              | 39.00          | 50.00        | 11.00       | N    | OFF    | 19.8       |
| 13.560000       | 65.40            | ---            | 60.00        | -5.40       | N    | OFF    | 19.8       |

EUT Information

Report NO :722135-07

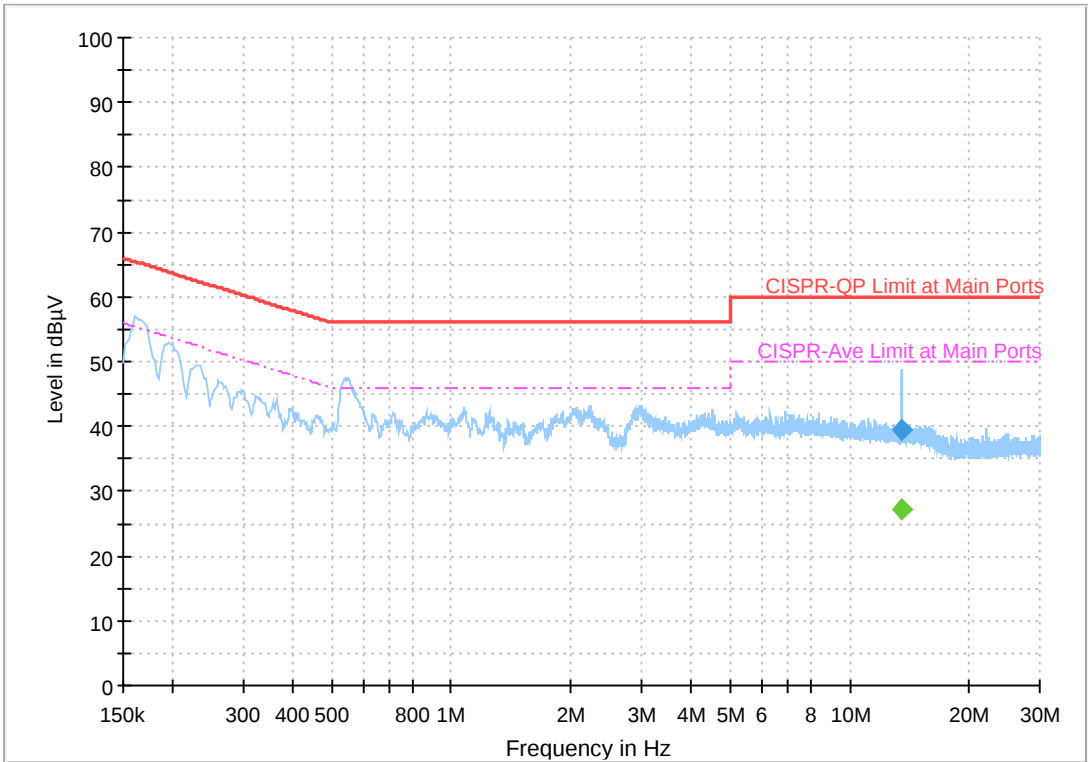
Test Mode :Mode 1

Test Voltage :120Vac/60Hz

Phase :Line

Terminal Mode

Full Spectrum



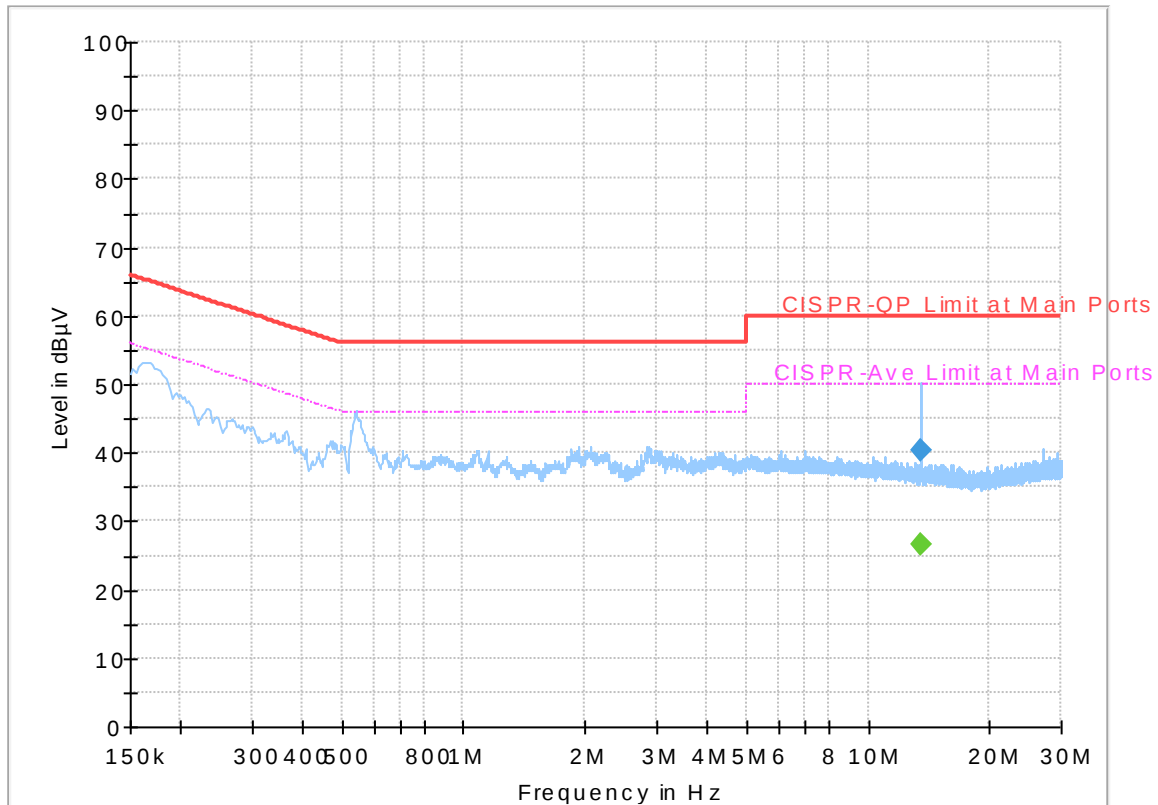
Final Result

| Frequency (MHz) | QuasiPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------|--------|------------|
| 13.560000       | ---              | 27.18          | 50.00        | 22.82       | L1   | OFF    | 19.7       |
| 13.560000       | 39.61            | ---            | 60.00        | 20.39       | L1   | OFF    | 19.7       |

## EUT Information

Report NO : 722135-07  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral  
Terminal Mode

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------|--------|------------|
| 13.560000       | ---              | 26.70          | 50.00        | 23.30       | N    | OFF    | 19.8       |
| 13.560000       | 40.43            | ---            | 60.00        | 19.57       | N    | OFF    | 19.8       |



## Appendix C. Radiated Spurious Emission

|                 |                                   |                     |         |
|-----------------|-----------------------------------|---------------------|---------|
| Test Engineer : | Nick Yu, Watt Tseng, and Karl Hou | Temperature :       | 21~24°C |
|                 |                                   | Relative Humidity : | 59~62%  |

### 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 |      | 5149.76   | 59.77      | -14.23 | 74         | 53.13    | 31.79    | 5.99   | 31.14  | 111    | 337     | P       | H       |
|                             |      | 5127.66   | 44.59      | -9.41  | 54         | 37.97    | 31.78    | 5.98   | 31.14  | 111    | 337     | A       | H       |
|                             | *    | 5180      | 108.83     | -      | -          | 102.14   | 31.81    | 6.02   | 31.14  | 111    | 337     | P       | H       |
|                             | *    | 5180      | 97.15      | -      | -          | 90.46    | 31.81    | 6.02   | 31.14  | 111    | 337     | A       | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      | 5150      | 55.89      | -18.11 | 74         | 49.25    | 31.79    | 5.99   | 31.14  | 234    | 109     | P       | V       |
|                             |      | 5127.92   | 40.56      | -13.44 | 54         | 33.94    | 31.78    | 5.98   | 31.14  | 234    | 109     | A       | V       |
|                             | *    | 5180      | 103.95     | -      | -          | 97.26    | 31.81    | 6.02   | 31.14  | 234    | 109     | P       | V       |
|                             | *    | 5180      | 92.85      | -      | -          | 86.16    | 31.81    | 6.02   | 31.14  | 234    | 109     | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5140.66   | 52.29      | -21.71 | 74         | 45.66    | 31.79    | 5.98   | 31.14  | 142    | 337     | P       | H       |
|                             |      | 5069.42   | 39.22      | -14.78 | 54         | 32.69    | 31.74    | 5.93   | 31.14  | 142    | 337     | A       | H       |
|                             | *    | 5220      | 109.69     | -      | -          | 102.96   | 31.83    | 6.04   | 31.14  | 142    | 337     | P       | H       |
|                             | *    | 5220      | 98.02      | -      | -          | 91.29    | 31.83    | 6.04   | 31.14  | 142    | 337     | A       | H       |
|                             |      | 5444.32   | 50.04      | -23.96 | 74         | 43.04    | 31.96    | 6.19   | 31.15  | 142    | 337     | P       | H       |
|                             |      | 5407.64   | 39.12      | -14.88 | 54         | 32.17    | 31.94    | 6.16   | 31.15  | 142    | 337     | A       | H       |
|                             |      | 5143.78   | 49.25      | -24.75 | 74         | 42.61    | 31.79    | 5.99   | 31.14  | 252    | 159     | P       | V       |
|                             |      | 5128.7    | 37.62      | -16.38 | 54         | 31       | 31.78    | 5.98   | 31.14  | 252    | 159     | A       | V       |
|                             | *    | 5220      | 105.37     | -      | -          | 98.64    | 31.83    | 6.04   | 31.14  | 252    | 159     | P       | V       |
|                             | *    | 5220      | 93.71      | -      | -          | 86.98    | 31.83    | 6.04   | 31.14  | 252    | 159     | A       | V       |
|                             |      | 5384.12   | 48.44      | -25.56 | 74         | 41.51    | 31.93    | 6.15   | 31.15  | 252    | 159     | P       | V       |
|                             |      | 5406.8    | 37.67      | -16.33 | 54         | 30.72    | 31.94    | 6.16   | 31.15  | 252    | 159     | A       | V       |



|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 48<br/>5240MHz</b> |                                                                                             | 5043.42 | 50.05  | -23.95 | 74 | 43.54  | 31.73 | 5.92 | 31.14 | 129 | 340 | P | H |
|                                      |                                                                                             | 5148.72 | 39.04  | -14.96 | 54 | 32.4   | 31.79 | 5.99 | 31.14 | 129 | 340 | A | H |
|                                      | *                                                                                           | 5240    | 110.5  | -      | -  | 103.75 | 31.84 | 6.05 | 31.14 | 129 | 340 | P | H |
|                                      | *                                                                                           | 5240    | 98.45  | -      | -  | 91.7   | 31.84 | 6.05 | 31.14 | 129 | 340 | A | H |
|                                      |                                                                                             | 5427.24 | 49.78  | -24.22 | 74 | 42.8   | 31.95 | 6.18 | 31.15 | 129 | 340 | P | H |
|                                      |                                                                                             | 5455.24 | 39.06  | -14.94 | 54 | 32.03  | 31.97 | 6.21 | 31.15 | 129 | 340 | A | H |
|                                      |                                                                                             | 5030.42 | 48.85  | -25.15 | 74 | 42.37  | 31.72 | 5.9  | 31.14 | 253 | 91  | P | V |
|                                      |                                                                                             | 5142.48 | 37.72  | -16.28 | 54 | 31.08  | 31.79 | 5.99 | 31.14 | 253 | 91  | A | V |
|                                      | *                                                                                           | 5240    | 105.32 | -      | -  | 98.57  | 31.84 | 6.05 | 31.14 | 253 | 91  | P | V |
|                                      | *                                                                                           | 5240    | 93.93  | -      | -  | 87.18  | 31.84 | 6.05 | 31.14 | 253 | 91  | A | V |
|                                      |                                                                                             | 5450.48 | 48.88  | -25.12 | 74 | 41.85  | 31.97 | 6.21 | 31.15 | 253 | 91  | P | V |
|                                      |                                                                                             | 5448.52 | 38.32  | -15.68 | 54 | 31.29  | 31.97 | 6.21 | 31.15 | 253 | 91  | 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                | 49.55               | -18.65                  | 68.2                        | 56.93                     | 39.86                         | 9.79                   | 57.03                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15540                | 46.92               | -27.08                  | 74                          | 52.64                     | 38.53                         | 12.23                  | 56.48                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10360                | 51.8                | -16.4                   | 68.2                        | 59.18                     | 39.86                         | 9.79                   | 57.03                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15540                | 47.31               | -26.69                  | 74                          | 53.03                     | 38.53                         | 12.23                  | 56.48                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440                | 49.19               | -19.01                  | 68.2                        | 56.4                      | 39.98                         | 9.82                   | 57.01                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15660                | 46.97               | -27.03                  | 74                          | 52.81                     | 38.29                         | 12.28                  | 56.41                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10440                | 52.8                | -15.4                   | 68.2                        | 60.01                     | 39.98                         | 9.82                   | 57.01                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15660                | 47.27               | -26.73                  | 74                          | 53.11                     | 38.29                         | 12.28                  | 56.41                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480                | 50.05               | -18.15                  | 68.2                        | 57.13                     | 40.07                         | 9.85                   | 57                         | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15720                | 46.69               | -27.31                  | 74                          | 52.61                     | 38.15                         | 12.3                   | 56.37                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10480                | 54.39               | -13.81                  | 68.2                        | 61.47                     | 40.07                         | 9.85                   | 57                         | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15720                | 47.06               | -26.94                  | 74                          | 52.98                     | 38.15                         | 12.3                   | 56.37                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>1                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 36<br>5180MHz |      | 5148.98              | 59.94               | -14.06                  | 74                          | 53.3                      | 31.79                         | 5.99                   | 31.14                      | 100                  | 243                     | P                       | H               |
|                                     |      | 5128.44              | 46.53               | -7.47                   | 54                          | 39.91                     | 31.78                         | 5.98                   | 31.14                      | 100                  | 243                     | A                       | H               |
|                                     | *    | 5180                 | 110.21              | -                       | -                           | 103.52                    | 31.81                         | 6.02                   | 31.14                      | 100                  | 243                     | P                       | H               |
|                                     | *    | 5180                 | 98.2                | -                       | -                           | 91.51                     | 31.81                         | 6.02                   | 31.14                      | 100                  | 243                     | A                       | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      | 5147.68              | 52.97               | -21.03                  | 74                          | 46.33                     | 31.79                         | 5.99                   | 31.14                      | 291                  | 0                       | P                       | V               |
|                                     |      | 5149.76              | 41.07               | -12.93                  | 54                          | 34.43                     | 31.79                         | 5.99                   | 31.14                      | 291                  | 0                       | A                       | V               |
|                                     | *    | 5180                 | 104.68              | -                       | -                           | 97.99                     | 31.81                         | 6.02                   | 31.14                      | 291                  | 0                       | P                       | V               |
|                                     | *    | 5180                 | 92.79               | -                       | -                           | 86.1                      | 31.81                         | 6.02                   | 31.14                      | 291                  | 0                       | A                       | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |      | 5146.12              | 50.85               | -23.15                  | 74                          | 44.21                     | 31.79                         | 5.99                   | 31.14                      | 110                  | 251                     | P                       | H               |
|                                     |      | 5119.34              | 38.97               | -15.03                  | 54                          | 32.37                     | 31.77                         | 5.97                   | 31.14                      | 110                  | 251                     | A                       | H               |
|                                     | *    | 5220                 | 110.61              | -                       | -                           | 103.88                    | 31.83                         | 6.04                   | 31.14                      | 110                  | 251                     | P                       | H               |
|                                     | *    | 5220                 | 98.95               | -                       | -                           | 92.22                     | 31.83                         | 6.04                   | 31.14                      | 110                  | 251                     | A                       | H               |
|                                     |      | 5431.16              | 50.73               | -23.27                  | 74                          | 43.73                     | 31.96                         | 6.19                   | 31.15                      | 110                  | 251                     | P                       | H               |
|                                     |      | 5453.56              | 39.33               | -14.67                  | 54                          | 32.3                      | 31.97                         | 6.21                   | 31.15                      | 110                  | 251                     | A                       | H               |
|                                     |      | 5067.86              | 48.75               | -25.25                  | 74                          | 42.22                     | 31.74                         | 5.93                   | 31.14                      | 302                  | 0                       | P                       | V               |
|                                     |      | 5074.62              | 37.7                | -16.3                   | 54                          | 31.15                     | 31.75                         | 5.94                   | 31.14                      | 302                  | 0                       | A                       | V               |
|                                     | *    | 5220                 | 105.11              | -                       | -                           | 98.38                     | 31.83                         | 6.04                   | 31.14                      | 302                  | 0                       | P                       | V               |
|                                     | *    | 5220                 | 93.47               | -                       | -                           | 86.74                     | 31.83                         | 6.04                   | 31.14                      | 302                  | 0                       | A                       | V               |
|                                     |      | 5430.6               | 48.89               | -25.11                  | 74                          | 41.89                     | 31.96                         | 6.19                   | 31.15                      | 302                  | 0                       | P                       | V               |
|                                     |      | 5431.72              | 38.03               | -15.97                  | 54                          | 31.03                     | 31.96                         | 6.19                   | 31.15                      | 302                  | 0                       | A                       | V               |



|                                                                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |                                                                                             | 5144.3  | 51.01  | -22.99 | 74 | 44.37  | 31.79 | 5.99 | 31.14 | 111 | 252 | P | H |
|                                                                             |                                                                                             | 5148.98 | 39.52  | -14.48 | 54 | 32.88  | 31.79 | 5.99 | 31.14 | 111 | 252 | A | H |
|                                                                             | *                                                                                           | 5240    | 110.72 | -      | -  | 103.97 | 31.84 | 6.05 | 31.14 | 111 | 252 | P | H |
|                                                                             | *                                                                                           | 5240    | 98.9   | -      | -  | 92.15  | 31.84 | 6.05 | 31.14 | 111 | 252 | A | H |
|                                                                             |                                                                                             | 5425.28 | 52.08  | -21.92 | 74 | 45.1   | 31.95 | 6.18 | 31.15 | 111 | 252 | P | H |
|                                                                             |                                                                                             | 5451.88 | 39.36  | -14.64 | 54 | 32.33  | 31.97 | 6.21 | 31.15 | 111 | 252 | A | H |
|                                                                             |                                                                                             | 5093.86 | 48.81  | -25.19 | 74 | 42.24  | 31.76 | 5.95 | 31.14 | 253 | 0   | P | V |
|                                                                             |                                                                                             | 5147.16 | 37.67  | -16.33 | 54 | 31.03  | 31.79 | 5.99 | 31.14 | 253 | 0   | A | V |
|                                                                             | *                                                                                           | 5240    | 104.9  | -      | -  | 98.15  | 31.84 | 6.05 | 31.14 | 253 | 0   | P | V |
|                                                                             | *                                                                                           | 5240    | 93.2   | -      | -  | 86.45  | 31.84 | 6.05 | 31.14 | 253 | 0   | A | V |
|                                                                             |                                                                                             | 5406.8  | 49.55  | -24.45 | 74 | 42.6   | 31.94 | 6.16 | 31.15 | 253 | 0   | P | V |
|                                                                             |                                                                                             | 5451.6  | 38.22  | -15.78 | 54 | 31.19  | 31.97 | 6.21 | 31.15 | 253 | 0   | 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                | 50.97               | -17.23                  | 68.2                        | 58.35                     | 39.86                         | 9.79                   | 57.03                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15540                | 46.23               | -27.77                  | 74                          | 51.95                     | 38.53                         | 12.23                  | 56.48                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10360                | 52.37               | -15.83                  | 68.2                        | 59.75                     | 39.86                         | 9.79                   | 57.03                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15540                | 46.63               | -27.37                  | 74                          | 52.35                     | 38.53                         | 12.23                  | 56.48                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440                | 49.73               | -18.47                  | 68.2                        | 56.94                     | 39.98                         | 9.82                   | 57.01                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15660                | 46.73               | -27.27                  | 74                          | 52.57                     | 38.29                         | 12.28                  | 56.41                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10440                | 53.72               | -14.48                  | 68.2                        | 60.93                     | 39.98                         | 9.82                   | 57.01                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15660                | 47.84               | -26.16                  | 74                          | 53.68                     | 38.29                         | 12.28                  | 56.41                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480                | 50.82               | -17.38                  | 68.2                        | 57.9                      | 40.07                         | 9.85                   | 57                         | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15720                | 45.44               | -28.56                  | 74                          | 51.36                     | 38.15                         | 12.3                   | 56.37                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10480                | 54.99               | -13.21                  | 68.2                        | 62.07                     | 40.07                         | 9.85                   | 57                         | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15720                | 46.11               | -27.89                  | 74                          | 52.03                     | 38.15                         | 12.3                   | 56.37                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>1                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 5149.76              | 70.26               | -3.74                   | 74                          | 63.62                     | 31.79                         | 5.99                   | 31.14                      | 100                  | 248                     | P                       | H               |
|                                     |                                                                                             | 5149.5               | 50.94               | -3.06                   | 54                          | 44.3                      | 31.79                         | 5.99                   | 31.14                      | 100                  | 248                     | A                       | H               |
|                                     | *                                                                                           | 5190                 | 105.44              | -                       | -                           | 98.75                     | 31.81                         | 6.02                   | 31.14                      | 100                  | 248                     | P                       | H               |
|                                     | *                                                                                           | 5190                 | 94.29               | -                       | -                           | 87.6                      | 31.81                         | 6.02                   | 31.14                      | 100                  | 248                     | A                       | H               |
|                                     |                                                                                             | 5419.68              | 50.52               | -23.48                  | 74                          | 43.54                     | 31.95                         | 6.18                   | 31.15                      | 100                  | 248                     | P                       | H               |
|                                     |                                                                                             | 5416.6               | 39.44               | -14.56                  | 54                          | 32.46                     | 31.95                         | 6.18                   | 31.15                      | 100                  | 248                     | A                       | H               |
|                                     |                                                                                             | 5146.64              | 61.63               | -12.37                  | 74                          | 54.99                     | 31.79                         | 5.99                   | 31.14                      | 259                  | 0                       | P                       | V               |
|                                     |                                                                                             | 5149.76              | 46.2                | -7.8                    | 54                          | 39.56                     | 31.79                         | 5.99                   | 31.14                      | 259                  | 0                       | A                       | V               |
|                                     | *                                                                                           | 5190                 | 99.23               | -                       | -                           | 92.54                     | 31.81                         | 6.02                   | 31.14                      | 259                  | 0                       | P                       | V               |
|                                     | *                                                                                           | 5190                 | 89.11               | -                       | -                           | 82.42                     | 31.81                         | 6.02                   | 31.14                      | 259                  | 0                       | A                       | V               |
|                                     |                                                                                             | 5454.96              | 49.13               | -24.87                  | 74                          | 42.1                      | 31.97                         | 6.21                   | 31.15                      | 259                  | 0                       | P                       | V               |
|                                     |                                                                                             | 5419.12              | 38.44               | -15.56                  | 54                          | 31.46                     | 31.95                         | 6.18                   | 31.15                      | 259                  | 0                       | A                       | V               |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 5143.52              | 51.96               | -22.04                  | 74                          | 45.32                     | 31.79                         | 5.99                   | 31.14                      | 134                  | 340                     | P                       | H               |
|                                     |                                                                                             | 5127.92              | 41.95               | -12.05                  | 54                          | 35.33                     | 31.78                         | 5.98                   | 31.14                      | 134                  | 340                     | A                       | H               |
|                                     | *                                                                                           | 5230                 | 107.51              | -                       | -                           | 100.77                    | 31.84                         | 6.04                   | 31.14                      | 134                  | 340                     | P                       | H               |
|                                     | *                                                                                           | 5230                 | 95.99               | -                       | -                           | 89.25                     | 31.84                         | 6.04                   | 31.14                      | 134                  | 340                     | A                       | H               |
|                                     |                                                                                             | 5418.28              | 51.99               | -22.01                  | 74                          | 45.01                     | 31.95                         | 6.18                   | 31.15                      | 134                  | 340                     | P                       | H               |
|                                     |                                                                                             | 5455.8               | 39.99               | -14.01                  | 54                          | 32.96                     | 31.97                         | 6.21                   | 31.15                      | 134                  | 340                     | A                       | H               |
|                                     |                                                                                             | 5146.38              | 49.31               | -24.69                  | 74                          | 42.67                     | 31.79                         | 5.99                   | 31.14                      | 282                  | 82                      | P                       | V               |
|                                     |                                                                                             | 5127.66              | 39.51               | -14.49                  | 54                          | 32.89                     | 31.78                         | 5.98                   | 31.14                      | 282                  | 82                      | A                       | V               |
|                                     | *                                                                                           | 5230                 | 102.26              | -                       | -                           | 95.52                     | 31.84                         | 6.04                   | 31.14                      | 282                  | 82                      | P                       | V               |
|                                     | *                                                                                           | 5230                 | 91.86               | -                       | -                           | 85.12                     | 31.84                         | 6.04                   | 31.14                      | 282                  | 82                      | A                       | V               |
|                                     |                                                                                             | 5401.76              | 49.48               | -24.52                  | 74                          | 42.53                     | 31.94                         | 6.16                   | 31.15                      | 282                  | 82                      | P                       | V               |
|                                     |                                                                                             | 5457.2               | 38.5                | -15.5                   | 54                          | 31.47                     | 31.97                         | 6.21                   | 31.15                      | 282                  | 82                      | 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                | 49.77               | -18.43                  | 68.2                        | 57.1                    | 39.89                         | 9.8                    | 57.02                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15570                | 46.67               | -27.33                  | 74                          | 52.43                   | 38.46                         | 12.24                  | 56.46                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10380                | 50.87               | -17.33                  | 68.2                        | 58.2                    | 39.89                         | 9.8                    | 57.02                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15570                | 46.03               | -27.97                  | 74                          | 51.79                   | 38.46                         | 12.24                  | 56.46                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460                | 48.93               | -19.27                  | 68.2                        | 56.1                    | 40.01                         | 9.83                   | 57.01                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15690                | 46.92               | -27.08                  | 74                          | 52.81                   | 38.22                         | 12.28                  | 56.39                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10460                | 53.64               | -14.56                  | 68.2                        | 60.81                   | 40.01                         | 9.83                   | 57.01                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15690                | 46.94               | -27.06                  | 74                          | 52.83                   | 38.22                         | 12.28                  | 56.39                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 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 |      | 5117.52   | 50.3       | -23.7  | 74         | 43.7     | 31.77    | 5.97   | 31.14  | 154    | 341     | P       | H       |
|                             |      | 5051.22   | 38.64      | -15.36 | 54         | 32.13    | 31.73    | 5.92   | 31.14  | 154    | 341     | A       | H       |
|                             | *    | 5260      | 110.25     | -      | -          | 103.47   | 31.86    | 6.07   | 31.15  | 154    | 341     | P       | H       |
|                             | *    | 5260      | 98.53      | -      | -          | 91.75    | 31.86    | 6.07   | 31.15  | 154    | 341     | A       | H       |
|                             |      | 5362.56   | 51.73      | -22.27 | 74         | 44.82    | 31.92    | 6.14   | 31.15  | 154    | 341     | P       | H       |
|                             |      | 5360.88   | 40.82      | -13.18 | 54         | 33.91    | 31.92    | 6.14   | 31.15  | 154    | 341     | A       | H       |
|                             |      | 5101.14   | 48.41      | -25.59 | 74         | 41.84    | 31.76    | 5.95   | 31.14  | 250    | 97      | P       | V       |
|                             |      | 5051.22   | 37.52      | -16.48 | 54         | 31.01    | 31.73    | 5.92   | 31.14  | 250    | 97      | A       | V       |
|                             | *    | 5260      | 104.83     | -      | -          | 98.05    | 31.86    | 6.07   | 31.15  | 250    | 97      | P       | V       |
|                             | *    | 5260      | 93.54      | -      | -          | 86.76    | 31.86    | 6.07   | 31.15  | 250    | 97      | A       | V       |
|                             |      | 5363.12   | 49.21      | -24.79 | 74         | 42.3     | 31.92    | 6.14   | 31.15  | 250    | 97      | P       | V       |
|                             |      | 5352.2    | 38.01      | -15.99 | 54         | 31.13    | 31.91    | 6.12   | 31.15  | 250    | 97      | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5089.42   | 49.23      | -24.77 | 74         | 42.66    | 31.76    | 5.95   | 31.14  | 105    | 250     | P       | H       |
|                             |      | 5053.38   | 39.07      | -14.93 | 54         | 32.55    | 31.73    | 5.93   | 31.14  | 105    | 250     | A       | H       |
|                             | *    | 5300      | 110.42     | -      | -          | 103.6    | 31.88    | 6.09   | 31.15  | 105    | 250     | P       | H       |
|                             | *    | 5300      | 99.01      | -      | -          | 92.19    | 31.88    | 6.09   | 31.15  | 105    | 250     | A       | H       |
|                             |      | 5352.48   | 53.84      | -20.16 | 74         | 46.96    | 31.91    | 6.12   | 31.15  | 105    | 250     | P       | H       |
|                             |      | 5352.24   | 45.82      | -8.18  | 54         | 38.94    | 31.91    | 6.12   | 31.15  | 105    | 250     | A       | H       |
|                             |      | 5133.96   | 48.19      | -25.81 | 74         | 41.57    | 31.78    | 5.98   | 31.14  | 367    | 244     | P       | V       |
|                             |      | 5149.94   | 37.48      | -16.52 | 54         | 30.84    | 31.79    | 5.99   | 31.14  | 367    | 244     | A       | V       |
|                             | *    | 5300      | 104.91     | -      | -          | 98.09    | 31.88    | 6.09   | 31.15  | 367    | 244     | P       | V       |
|                             | *    | 5300      | 93.34      | -      | -          | 86.52    | 31.88    | 6.09   | 31.15  | 367    | 244     | A       | V       |
|                             |      | 5353.92   | 50.06      | -23.94 | 74         | 43.18    | 31.91    | 6.12   | 31.15  | 367    | 244     | P       | V       |
|                             |      | 5352.24   | 39.73      | -14.27 | 54         | 32.85    | 31.91    | 6.12   | 31.15  | 367    | 244     | A       | V       |



|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 64<br/>5320MHz</b> | *                                                                                           | 5320    | 110.62 | -      | -  | 103.78 | 31.89 | 6.1  | 31.15 | 113 | 251 | P | H |
|                                      | *                                                                                           | 5320    | 98.97  | -      | -  | 92.13  | 31.89 | 6.1  | 31.15 | 113 | 251 | A | H |
|                                      |                                                                                             | 5354.24 | 59.94  | -14.06 | 74 | 53.06  | 31.91 | 6.12 | 31.15 | 113 | 251 | P | H |
|                                      |                                                                                             | 5372.16 | 45.51  | -8.49  | 54 | 38.6   | 31.92 | 6.14 | 31.15 | 113 | 251 | A | H |
|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                      | *                                                                                           | 5320    | 104.25 | -      | -  | 97.41  | 31.89 | 6.1  | 31.15 | 364 | 245 | P | V |
|                                      | *                                                                                           | 5320    | 92.7   | -      | -  | 85.86  | 31.89 | 6.1  | 31.15 | 364 | 245 | A | V |
|                                      |                                                                                             | 5350.88 | 51.56  | -22.44 | 74 | 44.68  | 31.91 | 6.12 | 31.15 | 364 | 245 | P | V |
|                                      |                                                                                             | 5372.32 | 39.67  | -14.33 | 54 | 32.76  | 31.92 | 6.14 | 31.15 | 364 | 245 | A | V |
|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



## Band 2 5250~5350MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI<br>Ant.<br>1           | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520                | 48.87               | -19.33                  | 68.2                        | 55.88                     | 40.11                         | 9.87                   | 56.99                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15780                | 46.37               | -27.63                  | 74                          | 52.33                     | 38.05                         | 12.32                  | 56.33                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10520                | 53.02               | -15.18                  | 68.2                        | 60.03                     | 40.11                         | 9.87                   | 56.99                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15780                | 47.06               | -26.94                  | 74                          | 53.02                     | 38.05                         | 12.32                  | 56.33                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600                | 49.95               | -24.05                  | 74                          | 56.79                     | 40.18                         | 9.9                    | 56.92                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15900                | 45.88               | -28.12                  | 74                          | 51.96                     | 37.81                         | 12.37                  | 56.26                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10600                | 56.87               | -17.13                  | 74                          | 63.71                     | 40.18                         | 9.9                    | 56.92                      | 276                  | 247                     | P                       | V               |
|                             |                                                                                             | 10600                | 51.98               | -2.02                   | 54                          | 58.82                     | 40.18                         | 9.9                    | 56.92                      | 276                  | 247                     | A                       | V               |
|                             |                                                                                             | 15900                | 46.49               | -27.51                  | 74                          | 52.57                     | 37.81                         | 12.37                  | 56.26                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640                | 49.98               | -24.02                  | 74                          | 56.75                     | 40.21                         | 9.91                   | 56.89                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15960                | 45.29               | -28.71                  | 74                          | 51.46                     | 37.67                         | 12.38                  | 56.22                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10640                | 57.73               | -16.27                  | 74                          | 64.5                      | 40.21                         | 9.91                   | 56.89                      | 279                  | 247                     | P                       | V               |
|                             |                                                                                             | 10640                | 51.94               | -2.06                   | 54                          | 58.71                     | 40.21                         | 9.91                   | 56.89                      | 279                  | 247                     | A                       | V               |
|                             |                                                                                             | 15960                | 46                  | -28                     | 74                          | 52.17                     | 37.67                         | 12.38                  | 56.22                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 52<br>5260MHz |      | 5144.5               | 51.29               | -22.71                  | 74                          | 44.65                     | 31.79                         | 5.99                   | 31.14                      | 100                  | 251                     | P                       | H               |
|                                     |      | 5050.32              | 39.31               | -14.69                  | 54                          | 32.8                      | 31.73                         | 5.92                   | 31.14                      | 100                  | 251                     | A                       | H               |
|                                     | *    | 5260                 | 110.51              | -                       | -                           | 103.73                    | 31.86                         | 6.07                   | 31.15                      | 100                  | 251                     | P                       | H               |
|                                     | *    | 5260                 | 98.95               | -                       | -                           | 92.17                     | 31.86                         | 6.07                   | 31.15                      | 100                  | 251                     | A                       | H               |
|                                     |      | 5351.04              | 52.47               | -21.53                  | 74                          | 45.59                     | 31.91                         | 6.12                   | 31.15                      | 100                  | 251                     | P                       | H               |
|                                     |      | 5351.04              | 41.5                | -12.5                   | 54                          | 34.62                     | 31.91                         | 6.12                   | 31.15                      | 100                  | 251                     | A                       | H               |
|                                     |      | 5027.88              | 48.99               | -25.01                  | 74                          | 42.51                     | 31.72                         | 5.9                    | 31.14                      | 267                  | 0                       | P                       | V               |
|                                     |      | 5117.64              | 37.56               | -16.44                  | 54                          | 30.96                     | 31.77                         | 5.97                   | 31.14                      | 267                  | 0                       | A                       | V               |
|                                     | *    | 5260                 | 105.17              | -                       | -                           | 98.39                     | 31.86                         | 6.07                   | 31.15                      | 267                  | 0                       | P                       | V               |
|                                     | *    | 5260                 | 93.14               | -                       | -                           | 86.36                     | 31.86                         | 6.07                   | 31.15                      | 267                  | 0                       | A                       | V               |
|                                     |      | 5445.12              | 50.11               | -23.89                  | 74                          | 43.11                     | 31.96                         | 6.19                   | 31.15                      | 267                  | 0                       | P                       | V               |
|                                     |      | 5360.64              | 38.55               | -15.45                  | 54                          | 31.64                     | 31.92                         | 6.14                   | 31.15                      | 267                  | 0                       | A                       | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |      | 5063.58              | 49.17               | -24.83                  | 74                          | 42.64                     | 31.74                         | 5.93                   | 31.14                      | 111                  | 251                     | P                       | H               |
|                                     |      | 5079.22              | 39.02               | -14.98                  | 54                          | 32.47                     | 31.75                         | 5.94                   | 31.14                      | 111                  | 251                     | A                       | H               |
|                                     | *    | 5300                 | 110                 | -                       | -                           | 103.18                    | 31.88                         | 6.09                   | 31.15                      | 111                  | 251                     | P                       | H               |
|                                     | *    | 5300                 | 98.93               | -                       | -                           | 92.11                     | 31.88                         | 6.09                   | 31.15                      | 111                  | 251                     | A                       | H               |
|                                     |      | 5350.08              | 55.03               | -18.97                  | 74                          | 48.15                     | 31.91                         | 6.12                   | 31.15                      | 111                  | 251                     | P                       | H               |
|                                     |      | 5351.76              | 45.99               | -8.01                   | 54                          | 39.11                     | 31.91                         | 6.12                   | 31.15                      | 111                  | 251                     | A                       | H               |
|                                     |      | 5146.88              | 48.6                | -25.4                   | 74                          | 41.96                     | 31.79                         | 5.99                   | 31.14                      | 365                  | 245                     | P                       | V               |
|                                     |      | 5132.94              | 37.23               | -16.77                  | 54                          | 30.61                     | 31.78                         | 5.98                   | 31.14                      | 365                  | 245                     | A                       | V               |
|                                     | *    | 5300                 | 104.97              | -                       | -                           | 98.15                     | 31.88                         | 6.09                   | 31.15                      | 365                  | 245                     | P                       | V               |
|                                     | *    | 5300                 | 93.09               | -                       | -                           | 86.27                     | 31.88                         | 6.09                   | 31.15                      | 365                  | 245                     | A                       | V               |
|                                     |      | 5352                 | 49.26               | -24.74                  | 74                          | 42.38                     | 31.91                         | 6.12                   | 31.15                      | 365                  | 245                     | P                       | V               |
|                                     |      | 5351.76              | 40.31               | -13.69                  | 54                          | 33.43                     | 31.91                         | 6.12                   | 31.15                      | 365                  | 245                     | A                       | V               |



|                                                                 |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 110.2  | -      | -  | 103.36 | 31.89 | 6.1  | 31.15 | 102 | 250 | P | H |
|                                                                 | *                                                                                           | 5320    | 99.03  | -      | -  | 92.19  | 31.89 | 6.1  | 31.15 | 102 | 250 | A | H |
|                                                                 |                                                                                             | 5351.52 | 60.64  | -13.36 | 74 | 53.76  | 31.91 | 6.12 | 31.15 | 102 | 250 | P | H |
|                                                                 |                                                                                             | 5371.36 | 46.15  | -7.85  | 54 | 39.24  | 31.92 | 6.14 | 31.15 | 102 | 250 | A | H |
|                                                                 |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                 |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                 | *                                                                                           | 5320    | 104.03 | -      | -  | 97.19  | 31.89 | 6.1  | 31.15 | 363 | 246 | P | V |
|                                                                 | *                                                                                           | 5320    | 92.54  | -      | -  | 85.7   | 31.89 | 6.1  | 31.15 | 363 | 246 | A | V |
|                                                                 |                                                                                             | 5351.68 | 50.78  | -23.22 | 74 | 43.9   | 31.91 | 6.12 | 31.15 | 363 | 246 | P | V |
|                                                                 |                                                                                             | 5372.16 | 39.98  | -14.02 | 54 | 33.07  | 31.92 | 6.14 | 31.15 | 363 | 246 | A | V |
|                                                                 |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                                 |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



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

| WIFI<br>Ant.<br>1                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 52<br>5260MHz |                                                                                             | 10520                | 49.09               | -19.11                  | 68.2                        | 56.1                      | 40.11                         | 9.87                   | 56.99                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15780                | 46.27               | -27.73                  | 74                          | 52.23                     | 38.05                         | 12.32                  | 56.33                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10520                | 54.01               | -14.19                  | 68.2                        | 61.02                     | 40.11                         | 9.87                   | 56.99                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15780                | 46.62               | -27.38                  | 74                          | 52.58                     | 38.05                         | 12.32                  | 56.33                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |                                                                                             | 10600                | 52.8                | -21.2                   | 74                          | 59.64                     | 40.18                         | 9.9                    | 56.92                      | 369                  | 318                     | P                       | H               |
|                                     |                                                                                             | 10600                | 44.23               | -9.77                   | 54                          | 51.07                     | 40.18                         | 9.9                    | 56.92                      | 369                  | 318                     | A                       | H               |
|                                     |                                                                                             | 15900                | 45.1                | -28.9                   | 74                          | 51.18                     | 37.81                         | 12.37                  | 56.26                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10600                | 57                  | -17                     | 74                          | 63.84                     | 40.18                         | 9.9                    | 56.92                      | 310                  | 157                     | P                       | V               |
|                                     |                                                                                             | 10600                | 51.91               | -2.09                   | 54                          | 58.75                     | 40.18                         | 9.9                    | 56.92                      | 310                  | 157                     | A                       | V               |
|                                     |                                                                                             | 15900                | 46.39               | -27.61                  | 74                          | 52.47                     | 37.81                         | 12.37                  | 56.26                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 64<br>5320MHz |                                                                                             | 10640                | 53.61               | -20.39                  | 74                          | 60.38                     | 40.21                         | 9.91                   | 56.89                      | 389                  | 320                     | P                       | H               |
|                                     |                                                                                             | 10640                | 44.9                | -9.1                    | 54                          | 51.67                     | 40.21                         | 9.91                   | 56.89                      | 389                  | 320                     | A                       | H               |
|                                     |                                                                                             | 15960                | 45.76               | -28.24                  | 74                          | 51.93                     | 37.67                         | 12.38                  | 56.22                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10640                | 57.36               | -16.64                  | 74                          | 64.13                     | 40.21                         | 9.91                   | 56.89                      | 309                  | 157                     | P                       | V               |
|                                     |                                                                                             | 10640                | 51.94               | -2.06                   | 54                          | 58.71                     | 40.21                         | 9.91                   | 56.89                      | 309                  | 157                     | A                       | V               |
|                                     |                                                                                             | 15960                | 46.4                | -27.6                   | 74                          | 52.57                     | 37.67                         | 12.38                  | 56.22                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>1                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 54<br>5270MHz |                                                                                             | 5065.62              | 49.61               | -24.39                  | 74                          | 43.08                     | 31.74                         | 5.93                   | 31.14                      | 150                  | 341                     | P                       | H               |
|                                     |                                                                                             | 5043.52              | 39.92               | -14.08                  | 54                          | 33.41                     | 31.73                         | 5.92                   | 31.14                      | 150                  | 341                     | A                       | H               |
|                                     | *                                                                                           | 5270                 | 108.78              | -                       | -                           | 101.99                    | 31.86                         | 6.08                   | 31.15                      | 150                  | 341                     | P                       | H               |
|                                     | *                                                                                           | 5270                 | 97.67               | -                       | -                           | 90.88                     | 31.86                         | 6.08                   | 31.15                      | 150                  | 341                     | A                       | H               |
|                                     |                                                                                             | 5354.4               | 54.93               | -19.07                  | 74                          | 48.05                     | 31.91                         | 6.12                   | 31.15                      | 150                  | 341                     | P                       | H               |
|                                     |                                                                                             | 5372.4               | 42.57               | -11.43                  | 54                          | 35.66                     | 31.92                         | 6.14                   | 31.15                      | 150                  | 341                     | A                       | H               |
|                                     |                                                                                             | 5042.84              | 48.68               | -25.32                  | 74                          | 42.17                     | 31.73                         | 5.92                   | 31.14                      | 267                  | 98                      | P                       | V               |
|                                     |                                                                                             | 5065.62              | 38.36               | -15.64                  | 54                          | 31.83                     | 31.74                         | 5.93                   | 31.14                      | 267                  | 98                      | A                       | V               |
|                                     | *                                                                                           | 5270                 | 104.43              | -                       | -                           | 97.64                     | 31.86                         | 6.08                   | 31.15                      | 267                  | 98                      | P                       | V               |
|                                     | *                                                                                           | 5270                 | 92.75               | -                       | -                           | 85.96                     | 31.86                         | 6.08                   | 31.15                      | 267                  | 98                      | A                       | V               |
|                                     |                                                                                             | 5359.68              | 49.42               | -24.58                  | 74                          | 42.52                     | 31.91                         | 6.14                   | 31.15                      | 267                  | 98                      | P                       | V               |
|                                     |                                                                                             | 5375.04              | 39.44               | -14.56                  | 54                          | 32.53                     | 31.92                         | 6.14                   | 31.15                      | 267                  | 98                      | A                       | V               |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 5124.1               | 49.03               | -24.97                  | 74                          | 42.42                     | 31.78                         | 5.97                   | 31.14                      | 126                  | 342                     | P                       | H               |
|                                     |                                                                                             | 5086.36              | 39.21               | -14.79                  | 54                          | 32.66                     | 31.75                         | 5.94                   | 31.14                      | 126                  | 342                     | A                       | H               |
|                                     | *                                                                                           | 5310                 | 106.83              | -                       | -                           | 99.99                     | 31.89                         | 6.1                    | 31.15                      | 126                  | 342                     | P                       | H               |
|                                     | *                                                                                           | 5310                 | 95.94               | -                       | -                           | 89.1                      | 31.89                         | 6.1                    | 31.15                      | 126                  | 342                     | A                       | H               |
|                                     |                                                                                             | 5350.08              | 68.21               | -5.79                   | 74                          | 61.33                     | 31.91                         | 6.12                   | 31.15                      | 126                  | 342                     | P                       | H               |
|                                     |                                                                                             | 5350.32              | 51.39               | -2.61                   | 54                          | 44.51                     | 31.91                         | 6.12                   | 31.15                      | 126                  | 342                     | A                       | H               |
|                                     |                                                                                             | 5083.3               | 49.1                | -24.9                   | 74                          | 42.55                     | 31.75                         | 5.94                   | 31.14                      | 261                  | 83                      | P                       | V               |
|                                     |                                                                                             | 5144.84              | 38.18               | -15.82                  | 54                          | 31.54                     | 31.79                         | 5.99                   | 31.14                      | 261                  | 83                      | A                       | V               |
|                                     | *                                                                                           | 5310                 | 101                 | -                       | -                           | 94.16                     | 31.89                         | 6.1                    | 31.15                      | 261                  | 83                      | P                       | V               |
|                                     | *                                                                                           | 5310                 | 90.2                | -                       | -                           | 83.36                     | 31.89                         | 6.1                    | 31.15                      | 261                  | 83                      | A                       | V               |
|                                     |                                                                                             | 5353.44              | 64.98               | -9.02                   | 74                          | 58.1                      | 31.91                         | 6.12                   | 31.15                      | 261                  | 83                      | P                       | V               |
|                                     |                                                                                             | 5350.8               | 45.18               | -8.82                   | 54                          | 38.3                      | 31.91                         | 6.12                   | 31.15                      | 261                  | 83                      | 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                | 48.51               | -19.69                  | 68.2                        | 55.47                   | 40.13                         | 9.88                   | 56.97                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15810                | 46.98               | -27.02                  | 74                          | 52.97                   | 37.98                         | 12.34                  | 56.31                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10540                | 52.64               | -15.56                  | 68.2                        | 59.6                    | 40.13                         | 9.88                   | 56.97                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15810                | 45.78               | -28.22                  | 74                          | 51.77                   | 37.98                         | 12.34                  | 56.31                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 10620                | 52.28               | -21.72                  | 74                          | 59.08                   | 40.2                          | 9.9                    | 56.9                       | 390                  | 335                     | P                     | H             |
|                                     |                                                                                             | 10620                | 45.23               | -8.77                   | 54                          | 52.03                   | 40.2                          | 9.9                    | 56.9                       | 390                  | 335                     | A                     | H             |
|                                     |                                                                                             | 15930                | 46.35               | -27.65                  | 74                          | 52.46                   | 37.74                         | 12.39                  | 56.24                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10620                | 57.09               | -16.91                  | 74                          | 63.89                   | 40.2                          | 9.9                    | 56.9                       | 309                  | 158                     | P                     | V             |
|                                     |                                                                                             | 10620                | 51.9                | -2.1                    | 54                          | 58.7                    | 40.2                          | 9.9                    | 56.9                       | 309                  | 158                     | A                     | V             |
|                                     |                                                                                             | 15930                | 46.39               | -27.61                  | 74                          | 52.5                    | 37.74                         | 12.39                  | 56.24                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 2 5250~5350MHz

## Band 3 - 5470~5725MHz

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

| WIFI Ant.                    | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 100<br>5500MHz |      | 5446.32   | 56.05      | -17.95     | 74         | 49.04      | 31.97          | 6.19      | 31.15         | 105     | 253       | P         | H       |
|                              |      | 5468.88   | 58.68      | -9.52      | 68.2       | 51.62      | 31.98          | 6.23      | 31.15         | 105     | 253       | P         | H       |
|                              |      | 5447.92   | 44.81      | -9.19      | 54         | 37.8       | 31.97          | 6.19      | 31.15         | 105     | 253       | A         | H       |
|                              | *    | 5500      | 108.96     | -          | -          | 101.87     | 32             | 6.24      | 31.15         | 105     | 253       | P         | H       |
|                              | *    | 5500      | 97.92      | -          | -          | 90.83      | 32             | 6.24      | 31.15         | 105     | 253       | A         | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      | 5447.6    | 50.73      | -23.27     | 74         | 43.72      | 31.97          | 6.19      | 31.15         | 232     | 360       | P         | V       |
|                              |      | 5469.84   | 56.32      | -11.88     | 68.2       | 49.26      | 31.98          | 6.23      | 31.15         | 232     | 360       | P         | V       |
|                              |      | 5447.6    | 41.1       | -12.9      | 54         | 34.09      | 31.97          | 6.19      | 31.15         | 232     | 360       | A         | V       |
|                              | *    | 5500      | 105.19     | -          | -          | 98.1       | 32             | 6.24      | 31.15         | 232     | 360       | P         | V       |
|                              | *    | 5500      | 93.46      | -          | -          | 86.37      | 32             | 6.24      | 31.15         | 232     | 360       | P         | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5417.92   | 50.32      | -23.68     | 74         | 43.34      | 31.95          | 6.18      | 31.15         | 147     | 343       | P         | H       |
|                              |      | 5460.88   | 49.12      | -19.08     | 68.2       | 42.09      | 31.97          | 6.21      | 31.15         | 147     | 343       | P         | H       |
|                              |      | 5431.36   | 38.98      | -15.02     | 54         | 31.98      | 31.96          | 6.19      | 31.15         | 147     | 343       | A         | H       |
|                              | *    | 5580      | 110.71     | -          | -          | 103.49     | 32.1           | 6.32      | 31.2          | 147     | 343       | P         | H       |
|                              | *    | 5580      | 98.88      | -          | -          | 91.66      | 32.1           | 6.32      | 31.2          | 147     | 343       | A         | H       |
|                              |      | 5727.83   | 50.06      | -18.14     | 68.2       | 42.64      | 32.31          | 6.37      | 31.26         | 147     | 343       | P         | H       |
|                              |      | 5394.16   | 49.55      | -24.45     | 74         | 42.61      | 31.93          | 6.16      | 31.15         | 254     | 96        | P         | V       |
|                              |      | 5468.8    | 48.24      | -19.96     | 68.2       | 41.18      | 31.98          | 6.23      | 31.15         | 254     | 96        | P         | V       |
|                              |      | 5429.68   | 38.2       | -15.8      | 54         | 31.21      | 31.96          | 6.18      | 31.15         | 254     | 96        | A         | V       |
|                              | *    | 5580      | 106.99     | -          | -          | 99.77      | 32.1           | 6.32      | 31.2          | 254     | 96        | P         | V       |
|                              | *    | 5580      | 95.36      | -          | -          | 88.14      | 32.1           | 6.32      | 31.2          | 254     | 96        | A         | V       |
|                              |      | 5745.785  | 49.86      | -18.34     | 68.2       | 42.42      | 32.34          | 6.37      | 31.27         | 254     | 96        | P         | V       |



|                                       |                                                                                             |         |        |       |    |        |       |      |       |     |     |   |   |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 111.94 | -     | -  | 104.56 | 32.27 | 6.36 | 31.25 | 152 | 343 | P | H |
|                                       | *                                                                                           | 5700    | 99.93  | -     | -  | 92.55  | 32.27 | 6.36 | 31.25 | 152 | 343 | A | H |
|                                       |                                                                                             | 5725.16 | 70.86  | -3.14 | 74 | 63.44  | 32.31 | 6.37 | 31.26 | 152 | 343 | P | H |
|                                       |                                                                                             | 5725.08 | 49.64  | -4.36 | 54 | 42.22  | 32.31 | 6.37 | 31.26 | 152 | 343 | A | H |
|                                       |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                       |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                       | *                                                                                           | 5700    | 108.06 | -     | -  | 100.68 | 32.27 | 6.36 | 31.25 | 245 | 99  | P | V |
|                                       | *                                                                                           | 5700    | 96.83  | -     | -  | 89.45  | 32.27 | 6.36 | 31.25 | 245 | 99  | A | V |
|                                       |                                                                                             | 5725.08 | 71.96  | -2.04 | 74 | 64.54  | 32.31 | 6.37 | 31.26 | 245 | 99  | P | V |
|                                       |                                                                                             | 5725.56 | 47.72  | -6.28 | 54 | 40.3   | 32.31 | 6.37 | 31.26 | 245 | 99  | A | V |
|                                       |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
|                                       |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |        |       |      |       |     |     |   |   |



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

| WIFI<br>Ant.<br>1            | 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                | 57.49               | -16.51                  | 74                          | 63.51                     | 40.5                          | 10.08                  | 56.6                       | 398                  | 326                     | P                       | H               |
|                              |                                                                                             | 11000                | 46.3                | -7.7                    | 54                          | 52.32                     | 40.5                          | 10.08                  | 56.6                       | 398                  | 326                     | A                       | H               |
|                              |                                                                                             | 16500                | 45.05               | -23.15                  | 68.2                        | 48.66                     | 39.6                          | 12.49                  | 55.7                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11000                | 62.94               | -11.06                  | 74                          | 68.96                     | 40.5                          | 10.08                  | 56.6                       | 290                  | 141                     | P                       | V               |
|                              |                                                                                             | 11000                | 50.81               | -3.19                   | 54                          | 56.83                     | 40.5                          | 10.08                  | 56.6                       | 290                  | 141                     | A                       | V               |
|                              |                                                                                             | 16500                | 45.55               | -22.65                  | 68.2                        | 49.16                     | 39.6                          | 12.49                  | 55.7                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160                | 58.51               | -15.49                  | 74                          | 64.51                     | 40.37                         | 10.16                  | 56.53                      | 399                  | 337                     | P                       | H               |
|                              |                                                                                             | 11160                | 46.42               | -7.58                   | 54                          | 52.42                     | 40.37                         | 10.16                  | 56.53                      | 399                  | 337                     | A                       | H               |
|                              |                                                                                             | 16740                | 46.31               | -21.89                  | 68.2                        | 49.46                     | 40.13                         | 12.52                  | 55.8                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11160                | 65.48               | -8.52                   | 74                          | 71.48                     | 40.37                         | 10.16                  | 56.53                      | 292                  | 142                     | P                       | V               |
|                              |                                                                                             | 11160                | 51.91               | -2.09                   | 54                          | 57.91                     | 40.37                         | 10.16                  | 56.53                      | 292                  | 142                     | A                       | V               |
|                              |                                                                                             | 16740                | 47.13               | -21.07                  | 68.2                        | 50.28                     | 40.13                         | 12.52                  | 55.8                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400                | 60.54               | -13.46                  | 74                          | 66.51                     | 40.18                         | 10.29                  | 56.44                      | 394                  | 356                     | P                       | H               |
|                              |                                                                                             | 11400                | 46.17               | -7.83                   | 54                          | 52.14                     | 40.18                         | 10.29                  | 56.44                      | 394                  | 356                     | A                       | H               |
|                              |                                                                                             | 17100                | 49.07               | -24.93                  | 74                          | 51.43                     | 41.06                         | 12.64                  | 56.06                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11400                | 64.23               | -9.77                   | 74                          | 70.2                      | 40.18                         | 10.29                  | 56.44                      | 303                  | 159                     | P                       | V               |
|                              |                                                                                             | 11400                | 50.27               | -3.73                   | 54                          | 56.24                     | 40.18                         | 10.29                  | 56.44                      | 303                  | 159                     | A                       | V               |
|                              |                                                                                             | 17100                | 49.55               | -24.45                  | 74                          | 51.91                     | 41.06                         | 12.64                  | 56.06                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>1                              | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11n<br/>HT20<br/>CH 100<br/>5500MHz</b> |      | 5446.32              | 57.56               | -16.44                  | 74                          | 50.55                   | 31.97                         | 6.19                   | 31.15                      | 113                  | 254                     | P                     | H             |
|                                                |      | 5469.52              | 60.68               | -7.52                   | 68.2                        | 53.62                   | 31.98                         | 6.23                   | 31.15                      | 113                  | 254                     | P                     | H             |
|                                                |      | 5448.4               | 45.7                | -8.3                    | 54                          | 38.67                   | 31.97                         | 6.21                   | 31.15                      | 113                  | 254                     | A                     | H             |
|                                                | *    | 5500                 | 110.31              | -                       | -                           | 103.22                  | 32                            | 6.24                   | 31.15                      | 113                  | 254                     | P                     | H             |
|                                                | *    | 5500                 | 98.42               | -                       | -                           | 91.33                   | 32                            | 6.24                   | 31.15                      | 113                  | 254                     | A                     | H             |
|                                                |      |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                |      | 5447.28              | 51.78               | -22.22                  | 74                          | 44.77                   | 31.97                         | 6.19                   | 31.15                      | 260                  | 0                       | P                     | V             |
|                                                |      | 5469.68              | 55.39               | -12.81                  | 68.2                        | 48.33                   | 31.98                         | 6.23                   | 31.15                      | 260                  | 0                       | P                     | V             |
|                                                |      | 5448.4               | 42.21               | -11.79                  | 54                          | 35.18                   | 31.97                         | 6.21                   | 31.15                      | 260                  | 0                       | A                     | V             |
|                                                | *    | 5500                 | 106.15              | -                       | -                           | 99.06                   | 32                            | 6.24                   | 31.15                      | 260                  | 0                       | P                     | V             |
|                                                | *    | 5500                 | 94.28               | -                       | -                           | 87.19                   | 32                            | 6.24                   | 31.15                      | 260                  | 0                       | A                     | V             |
|                                                |      |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>802.11n<br/>HT20<br/>CH 116<br/>5580MHz</b> |      | 5405.2               | 52.26               | -21.74                  | 74                          | 45.31                   | 31.94                         | 6.16                   | 31.15                      | 113                  | 253                     | P                     | H             |
|                                                |      | 5465.44              | 50.34               | -17.86                  | 68.2                        | 43.3                    | 31.98                         | 6.21                   | 31.15                      | 113                  | 253                     | P                     | H             |
|                                                |      | 5432.8               | 39.35               | -14.65                  | 54                          | 32.35                   | 31.96                         | 6.19                   | 31.15                      | 113                  | 253                     | A                     | H             |
|                                                | *    | 5580                 | 111.19              | -                       | -                           | 103.97                  | 32.1                          | 6.32                   | 31.2                       | 113                  | 253                     | P                     | H             |
|                                                | *    | 5580                 | 99.75               | -                       | -                           | 92.53                   | 32.1                          | 6.32                   | 31.2                       | 113                  | 253                     | A                     | H             |
|                                                |      | 5729.72              | 49.63               | -18.57                  | 68.2                        | 42.21                   | 32.31                         | 6.37                   | 31.26                      | 113                  | 253                     | P                     | H             |
|                                                |      | 5440.48              | 49.2                | -24.8                   | 74                          | 42.2                    | 31.96                         | 6.19                   | 31.15                      | 256                  | 2                       | P                     | V             |
|                                                |      | 5464.48              | 48.08               | -20.12                  | 68.2                        | 41.04                   | 31.98                         | 6.21                   | 31.15                      | 256                  | 2                       | P                     | V             |
|                                                |      | 5442.4               | 38.13               | -15.87                  | 54                          | 31.13                   | 31.96                         | 6.19                   | 31.15                      | 256                  | 2                       | A                     | V             |
|                                                | *    | 5580                 | 107.05              | -                       | -                           | 99.83                   | 32.1                          | 6.32                   | 31.2                       | 256                  | 2                       | P                     | V             |
|                                                | *    | 5580                 | 95.97               | -                       | -                           | 88.75                   | 32.1                          | 6.32                   | 31.2                       | 256                  | 2                       | A                     | V             |
|                                                |      | 5732.24              | 49.57               | -18.63                  | 68.2                        | 42.16                   | 32.31                         | 6.37                   | 31.27                      | 256                  | 2                       | P                     | V             |



|                                                |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 110.55 | -      | -  | 103.17 | 32.27 | 6.36 | 31.25 | 125 | 256 | P | H |
|                                                | *                                                                                           | 5700    | 98.85  | -      | -  | 91.47  | 32.27 | 6.36 | 31.25 | 125 | 256 | A | H |
|                                                |                                                                                             | 5729.16 | 66.62  | -7.38  | 74 | 59.2   | 32.31 | 6.37 | 31.26 | 125 | 256 | P | H |
|                                                |                                                                                             | 5725    | 50.31  | -3.69  | 54 | 42.89  | 32.31 | 6.37 | 31.26 | 125 | 256 | A | H |
|                                                |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                | *                                                                                           | 5700    | 106.63 | -      | -  | 99.25  | 32.27 | 6.36 | 31.25 | 239 | 8   | P | V |
|                                                | *                                                                                           | 5700    | 95.24  | -      | -  | 87.86  | 32.27 | 6.36 | 31.25 | 239 | 8   | A | V |
|                                                |                                                                                             | 5725    | 62.06  | -11.94 | 74 | 54.64  | 32.31 | 6.37 | 31.26 | 239 | 8   | P | V |
|                                                |                                                                                             | 5725    | 46.77  | -7.23  | 54 | 39.35  | 32.31 | 6.37 | 31.26 | 239 | 8   | A | V |
|                                                |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



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

| WIFI<br>Ant.<br>1                    | 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                | 56.5                | -17.5                   | 74                          | 62.52                     | 40.5                          | 10.08                  | 56.6                       | 392                  | 321                     | P                       | H               |
|                                      |                                                                                             | 11000                | 44.86               | -9.14                   | 54                          | 50.88                     | 40.5                          | 10.08                  | 56.6                       | 392                  | 321                     | A                       | H               |
|                                      |                                                                                             | 16500                | 45.93               | -22.27                  | 68.2                        | 49.54                     | 39.6                          | 12.49                  | 55.7                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11000                | 62.11               | -11.89                  | 74                          | 68.13                     | 40.5                          | 10.08                  | 56.6                       | 300                  | 141                     | P                       | V               |
|                                      |                                                                                             | 11000                | 50.21               | -3.79                   | 54                          | 56.23                     | 40.5                          | 10.08                  | 56.6                       | 300                  | 141                     | A                       | V               |
|                                      |                                                                                             | 16500                | 45.77               | -22.43                  | 68.2                        | 49.38                     | 39.6                          | 12.49                  | 55.7                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160                | 59.12               | -14.88                  | 74                          | 65.12                     | 40.37                         | 10.16                  | 56.53                      | 391                  | 326                     | P                       | H               |
|                                      |                                                                                             | 11160                | 46.65               | -7.35                   | 54                          | 52.65                     | 40.37                         | 10.16                  | 56.53                      | 391                  | 326                     | A                       | H               |
|                                      |                                                                                             | 16740                | 46.09               | -22.11                  | 68.2                        | 49.24                     | 40.13                         | 12.52                  | 55.8                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11160                | 64.27               | -9.73                   | 74                          | 70.27                     | 40.37                         | 10.16                  | 56.53                      | 300                  | 143                     | P                       | V               |
|                                      |                                                                                             | 11160                | 51.17               | -2.83                   | 54                          | 57.17                     | 40.37                         | 10.16                  | 56.53                      | 300                  | 143                     | A                       | V               |
|                                      |                                                                                             | 16740                | 46.51               | -21.69                  | 68.2                        | 49.66                     | 40.13                         | 12.52                  | 55.8                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400                | 57.08               | -16.92                  | 74                          | 63.05                     | 40.18                         | 10.29                  | 56.44                      | 388                  | 355                     | P                       | H               |
|                                      |                                                                                             | 11400                | 44.61               | -9.39                   | 54                          | 50.58                     | 40.18                         | 10.29                  | 56.44                      | 388                  | 355                     | A                       | H               |
|                                      |                                                                                             | 17100                | 47.44               | -26.56                  | 74                          | 49.8                      | 41.06                         | 12.64                  | 56.06                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11400                | 60.58               | -13.42                  | 74                          | 66.55                     | 40.18                         | 10.29                  | 56.44                      | 299                  | 157                     | P                       | V               |
|                                      |                                                                                             | 11400                | 49.34               | -4.66                   | 54                          | 55.31                     | 40.18                         | 10.29                  | 56.44                      | 299                  | 157                     | A                       | V               |
|                                      |                                                                                             | 17100                | 48                  | -26                     | 74                          | 50.36                     | 41.06                         | 12.64                  | 56.06                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>1                              | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 102<br/>5510MHz</b> |      | 5469.28              | 67.65               | -6.35                   | 74                          | 60.59                     | 31.98                         | 6.23                   | 31.15                      | 117                  | 343                     | P                       | H               |
|                                                |      | 5469.04              | 51.75               | -2.25                   | 54                          | 44.69                     | 31.98                         | 6.23                   | 31.15                      | 117                  | 343                     | A                       | H               |
|                                                | *    | 5510                 | 108.08              | -                       | -                           | 100.98                    | 32                            | 6.26                   | 31.16                      | 117                  | 343                     | P                       | H               |
|                                                | *    | 5510                 | 96.4                | -                       | -                           | 89.3                      | 32                            | 6.26                   | 31.16                      | 117                  | 343                     | A                       | H               |
|                                                |      | 5737.595             | 49.12               | -24.88                  | 74                          | 41.68                     | 32.34                         | 6.37                   | 31.27                      | 117                  | 343                     | P                       | H               |
|                                                |      | 5736.965             | 39.64               | -14.36                  | 54                          | 32.2                      | 32.34                         | 6.37                   | 31.27                      | 117                  | 343                     | A                       | H               |
|                                                |      | 5469.04              | 63.06               | -10.94                  | 74                          | 56                        | 31.98                         | 6.23                   | 31.15                      | 251                  | 89                      | P                       | V               |
|                                                |      | 5469.76              | 48.69               | -5.31                   | 54                          | 41.63                     | 31.98                         | 6.23                   | 31.15                      | 251                  | 89                      | A                       | V               |
|                                                | *    | 5510                 | 104.24              | -                       | -                           | 97.14                     | 32                            | 6.26                   | 31.16                      | 251                  | 89                      | P                       | V               |
|                                                | *    | 5510                 | 92.84               | -                       | -                           | 85.74                     | 32                            | 6.26                   | 31.16                      | 251                  | 89                      | A                       | V               |
|                                                |      | 5735.075             | 49.37               | -24.63                  | 74                          | 41.93                     | 32.34                         | 6.37                   | 31.27                      | 251                  | 89                      | P                       | V               |
|                                                |      | 5742.635             | 38.97               | -15.03                  | 54                          | 31.53                     | 32.34                         | 6.37                   | 31.27                      | 251                  | 89                      | A                       | V               |
| <b>802.11n<br/>HT40<br/>CH 110<br/>5550MHz</b> |      | 5445.52              | 52.73               | -21.27                  | 74                          | 45.72                     | 31.97                         | 6.19                   | 31.15                      | 115                  | 345                     | P                       | H               |
|                                                |      | 5447.44              | 42.3                | -11.7                   | 54                          | 35.29                     | 31.97                         | 6.19                   | 31.15                      | 115                  | 345                     | A                       | H               |
|                                                | *    | 5550                 | 108.19              | -                       | -                           | 101                       | 32.07                         | 6.29                   | 31.17                      | 115                  | 345                     | P                       | H               |
|                                                | *    | 5550                 | 96.37               | -                       | -                           | 89.18                     | 32.07                         | 6.29                   | 31.17                      | 115                  | 345                     | A                       | H               |
|                                                |      | 5735.705             | 49.73               | -24.27                  | 74                          | 42.29                     | 32.34                         | 6.37                   | 31.27                      | 115                  | 345                     | P                       | H               |
|                                                |      | 5751.14              | 39.28               | -14.72                  | 54                          | 31.84                     | 32.34                         | 6.37                   | 31.27                      | 115                  | 345                     | A                       | H               |
|                                                |      | 5467.36              | 49.95               | -24.05                  | 74                          | 42.89                     | 31.98                         | 6.23                   | 31.15                      | 261                  | 95                      | P                       | V               |
|                                                |      | 5446.24              | 39.64               | -14.36                  | 54                          | 32.63                     | 31.97                         | 6.19                   | 31.15                      | 261                  | 95                      | A                       | V               |
|                                                | *    | 5550                 | 104.38              | -                       | -                           | 97.19                     | 32.07                         | 6.29                   | 31.17                      | 261                  | 95                      | P                       | V               |
|                                                | *    | 5550                 | 92.63               | -                       | -                           | 85.44                     | 32.07                         | 6.29                   | 31.17                      | 261                  | 95                      | A                       | V               |
|                                                |      | 5731.61              | 48.59               | -25.41                  | 74                          | 41.18                     | 32.31                         | 6.37                   | 31.27                      | 261                  | 95                      | P                       | V               |
|                                                |      | 5754.29              | 39.13               | -14.87                  | 54                          | 31.67                     | 32.36                         | 6.37                   | 31.27                      | 261                  | 95                      | A                       | V               |



|                                                                  |                                                                                             |          |        |        |    |        |       |      |       |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5444.85  | 50.81  | -23.19 | 74 | 43.81  | 31.96 | 6.19 | 31.15 | 102 | 346 | P | H |
|                                                                  |                                                                                             | 5465.5   | 40.72  | -13.28 | 54 | 33.68  | 31.98 | 6.21 | 31.15 | 102 | 346 | A | H |
|                                                                  | *                                                                                           | 5670     | 109.53 | -      | -  | 102.17 | 32.24 | 6.35 | 31.23 | 102 | 346 | P | H |
|                                                                  | *                                                                                           | 5670     | 97.58  | -      | -  | 90.22  | 32.24 | 6.35 | 31.23 | 102 | 346 | A | H |
|                                                                  |                                                                                             | 5725     | 67.53  | -6.47  | 74 | 60.11  | 32.31 | 6.37 | 31.26 | 102 | 346 | P | H |
|                                                                  |                                                                                             | 5725.625 | 49.13  | -4.87  | 54 | 41.71  | 32.31 | 6.37 | 31.26 | 102 | 346 | A | H |
|                                                                  |                                                                                             | 5420.35  | 48.96  | -25.04 | 74 | 41.98  | 31.95 | 6.18 | 31.15 | 251 | 98  | P | V |
|                                                                  |                                                                                             | 5462     | 39.13  | -14.87 | 54 | 32.1   | 31.97 | 6.21 | 31.15 | 251 | 98  | A | V |
|                                                                  | *                                                                                           | 5670     | 106.64 | -      | -  | 99.28  | 32.24 | 6.35 | 31.23 | 251 | 98  | P | V |
|                                                                  | *                                                                                           | 5670     | 95.01  | -      | -  | 87.65  | 32.24 | 6.35 | 31.23 | 251 | 98  | A | V |
|                                                                  |                                                                                             | 5725     | 65.25  | -8.75  | 74 | 57.83  | 32.31 | 6.37 | 31.26 | 251 | 98  | P | V |
|                                                                  |                                                                                             | 5725.1   | 46.64  | -7.36  | 54 | 39.22  | 32.31 | 6.37 | 31.26 | 251 | 98  | A | V |
| <b>Remark</b>                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |    |        |       |      |       |     |     |   |   |



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

| WIFI<br>Ant.<br>1                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 102<br>5510MHz |                                                                                             | 11020                | 55.08               | -18.92                  | 74                          | 61.08                     | 40.49                         | 10.1                   | 56.59                      | 389                  | 324                     | P                       | H               |
|                                      |                                                                                             | 11020                | 45.47               | -8.53                   | 54                          | 51.47                     | 40.49                         | 10.1                   | 56.59                      | 389                  | 324                     | A                       | H               |
|                                      |                                                                                             | 16530                | 45.74               | -28.26                  | 74                          | 49.28                     | 39.68                         | 12.49                  | 55.71                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11020                | 61.31               | -12.69                  | 74                          | 67.31                     | 40.49                         | 10.1                   | 56.59                      | 293                  | 142                     | P                       | V               |
|                                      |                                                                                             | 11020                | 50.71               | -3.29                   | 54                          | 56.71                     | 40.49                         | 10.1                   | 56.59                      | 293                  | 142                     | A                       | V               |
|                                      |                                                                                             | 16530                | 46.04               | -27.96                  | 74                          | 49.58                     | 39.68                         | 12.49                  | 55.71                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |                                                                                             | 11100                | 56.81               | -17.19                  | 74                          | 62.81                     | 40.42                         | 10.14                  | 56.56                      | 394                  | 326                     | P                       | H               |
|                                      |                                                                                             | 11100                | 45.91               | -8.09                   | 54                          | 51.91                     | 40.42                         | 10.14                  | 56.56                      | 394                  | 326                     | A                       | H               |
|                                      |                                                                                             | 16650                | 46.02               | -27.98                  | 74                          | 49.33                     | 39.94                         | 12.51                  | 55.76                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11100                | 62.2                | -11.8                   | 74                          | 68.2                      | 40.42                         | 10.14                  | 56.56                      | 297                  | 142                     | P                       | V               |
|                                      |                                                                                             | 11100                | 50.45               | -3.55                   | 54                          | 56.45                     | 40.42                         | 10.14                  | 56.56                      | 297                  | 142                     | A                       | V               |
|                                      |                                                                                             | 16650                | 46.38               | -27.62                  | 74                          | 49.69                     | 39.94                         | 12.51                  | 55.76                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 134<br>5670MHz |                                                                                             | 11340                | 57.51               | -16.49                  | 74                          | 63.49                     | 40.23                         | 10.26                  | 56.47                      | 389                  | 340                     | P                       | H               |
|                                      |                                                                                             | 11340                | 47.14               | -6.86                   | 54                          | 53.12                     | 40.23                         | 10.26                  | 56.47                      | 389                  | 340                     | A                       | H               |
|                                      |                                                                                             | 17010                | 47.8                | -26.2                   | 74                          | 50.41                     | 40.76                         | 12.56                  | 55.93                      | 400                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11340                | 62.08               | -11.92                  | 74                          | 68.06                     | 40.23                         | 10.26                  | 56.47                      | 301                  | 159                     | P                       | V               |
|                                      |                                                                                             | 11340                | 50.8                | -3.2                    | 54                          | 56.78                     | 40.23                         | 10.26                  | 56.47                      | 301                  | 159                     | A                       | V               |
|                                      |                                                                                             | 17010                | 48.48               | -25.52                  | 74                          | 51.09                     | 40.76                         | 12.56                  | 55.93                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 3 - 5470~5725MHz

## Emission below 1GHz

## WIFI 802.11a (LF @ 3m)

| WIFI Ant.     | Note                                                                       | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------|----------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1             |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11a<br>LF |                                                                            | 86.7      | 23.04      | -16.96     | 40         | 40.55      | 13.99          | 0.8       | 32.3          | 100     | 0         | P         | H     |
|               |                                                                            | 149.34    | 22.94      | -20.56     | 43.5       | 37.27      | 16.87          | 1.08      | 32.28         | -       | -         | P         | H     |
|               |                                                                            | 258.96    | 25.01      | -20.99     | 46         | 36.11      | 19.66          | 1.43      | 32.19         | -       | -         | P         | H     |
|               |                                                                            | 507.2     | 28.35      | -17.65     | 46         | 34.77      | 23.72          | 2.06      | 32.2          | -       | -         | P         | H     |
|               |                                                                            | 746.6     | 35.51      | -10.49     | 46         | 37.31      | 27.78          | 2.51      | 32.09         | -       | -         | P         | H     |
|               |                                                                            | 977.6     | 33.56      | -20.44     | 54         | 30.29      | 31.1           | 2.97      | 30.8          | -       | -         | P         | H     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|               |                                                                            | 33.24     | 31.69      | -8.31      | 40         | 40.78      | 22.77          | 0.48      | 32.34         | -       | -         | P         | V     |
|               |                                                                            | 89.13     | 28.84      | -14.66     | 43.5       | 45.88      | 14.45          | 0.81      | 32.3          | -       | -         | P         | V     |
|               |                                                                            | 140.97    | 22.3       | -21.2      | 43.5       | 36.41      | 17.17          | 1         | 32.28         | -       | -         | P         | V     |
|               |                                                                            | 484.8     | 25.06      | -20.94     | 46         | 31.76      | 23.51          | 1.98      | 32.19         | -       | -         | P         | V     |
|               |                                                                            | 745.9     | 39.3       | -6.7       | 46         | 41.11      | 27.77          | 2.51      | 32.09         | 100     | 0         | P         | V     |
|               |                                                                            | 957.3     | 33.66      | -12.34     | 46         | 30.75      | 30.97          | 2.93      | 30.99         | -       | -         | P         | V     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | V     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | V     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | V     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | V     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | V     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | V     |
|               |                                                                            |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark        | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Note symbol**

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

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

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

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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



## Appendix D. Radiated Spurious Emission

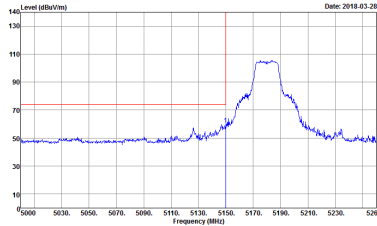
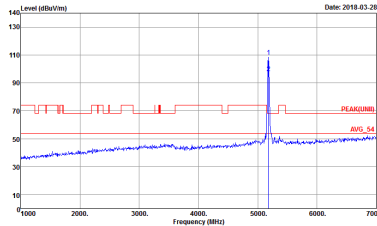
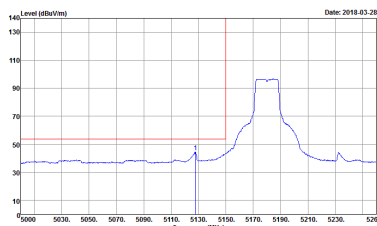
|                 |                                   |                     |         |
|-----------------|-----------------------------------|---------------------|---------|
| Test Engineer : | Nick Yu, Watt Tseng, and Karl Hou | Temperature :       | 21~24°C |
|                 |                                   | Relative Humidity : | 59~62%  |

### Note symbol

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



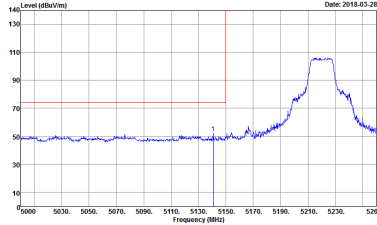
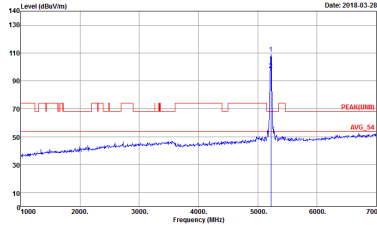
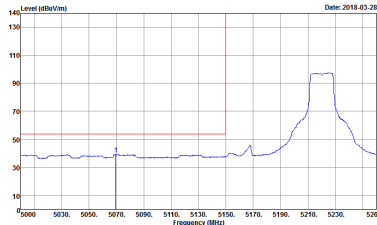
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1<br/>Setting : 14</p> |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1<br/>Setting : 14</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1<br/>Setting : 14</p>   | Left blank                                                                                                                                                                                                                                                                                            |

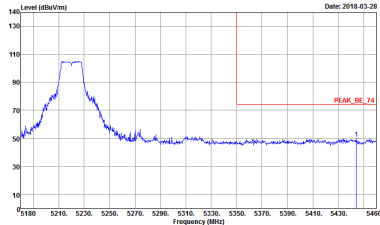
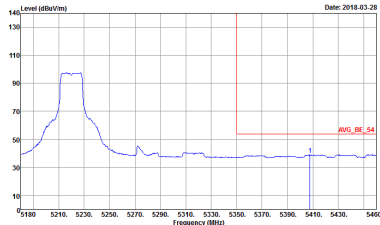


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                  |                                                                                                                                                                     |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                |                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                            | Fundamental                                                                                                                                                         |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1<br/>Setting : 14</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1<br/>Setting : 14</p></div>  | Left blank                                                                                                                                                          |

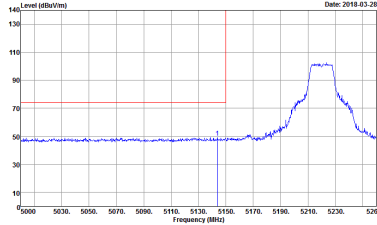
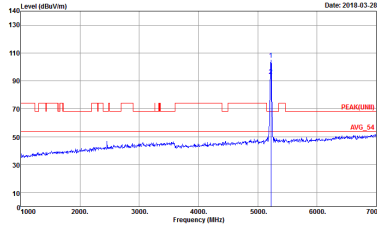
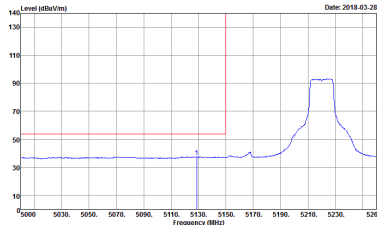


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                             |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                              |

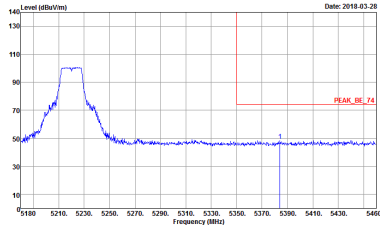
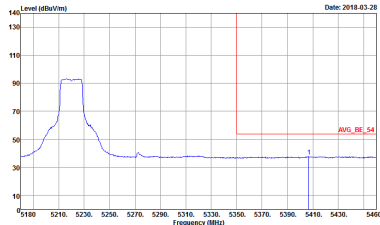


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                |             |
| 1    | Horizontal                                                                                                                                                                                                                                              | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div> | Left blank  |

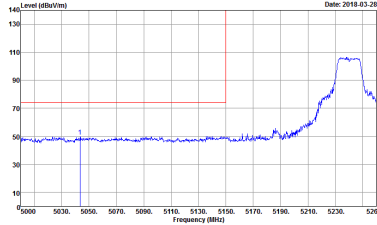
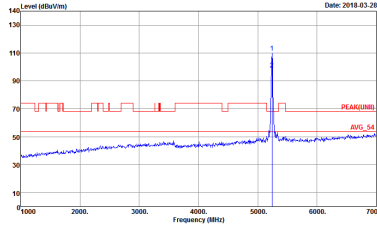
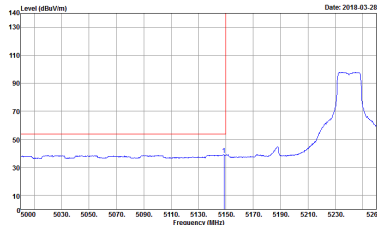


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                            |

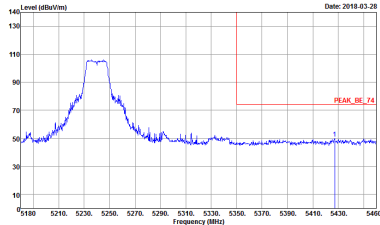
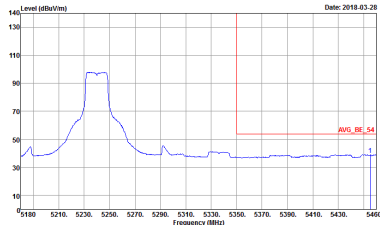


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                        |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p> | Left blank  |
| Avg. |  <p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>RBW:1000.0000kHz VBW:1.0000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p>   | Left blank  |

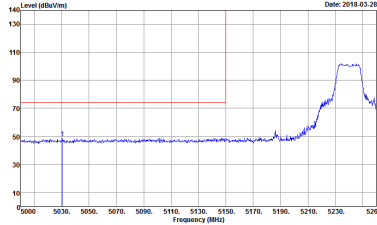
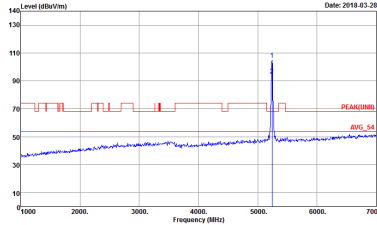
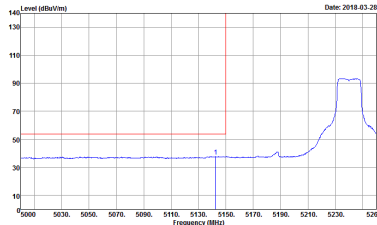


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                             |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                              |

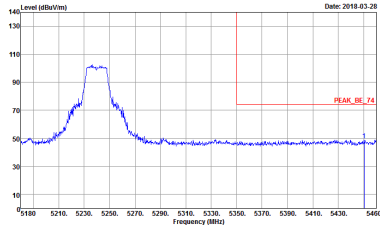
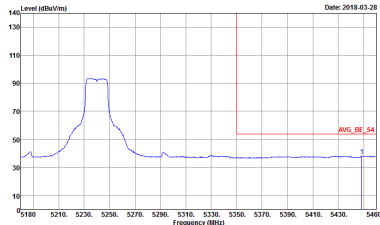


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                                                     |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:1000.0000kHz VBW:1.0000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div>   | Left blank  |



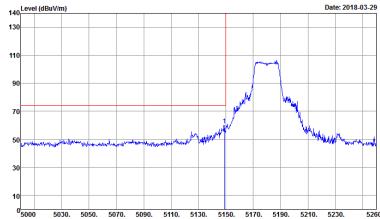
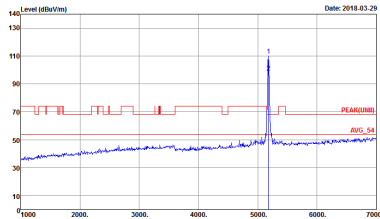
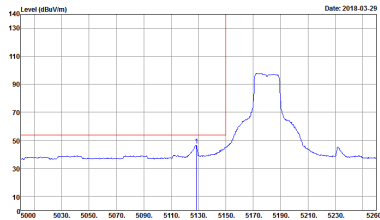
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                            |



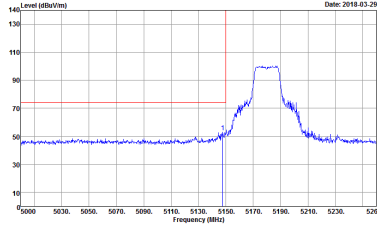
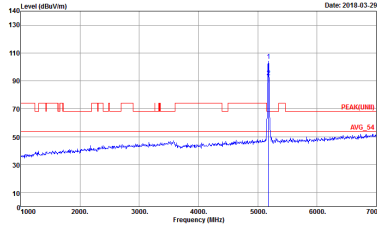
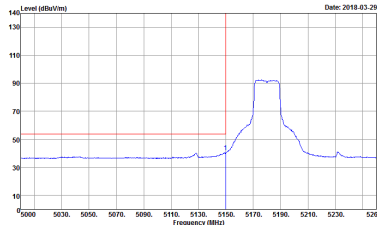
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                | Fundamental |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p> | Left blank  |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p>   | Left blank  |



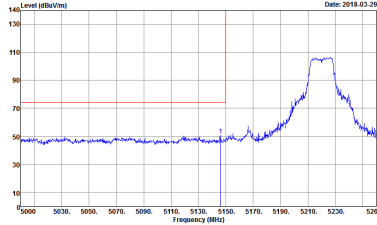
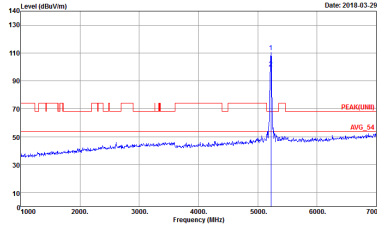
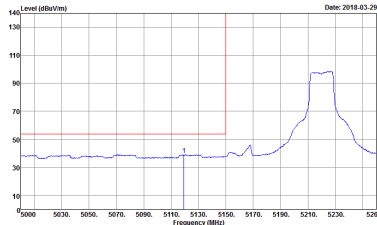
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                |
| 1    | Horizontal                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10<br/>Setting : 14</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10<br/>Setting : 14</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10<br/>Setting : 14</p> | Left blank                                                                                                                                                                                                                                     |

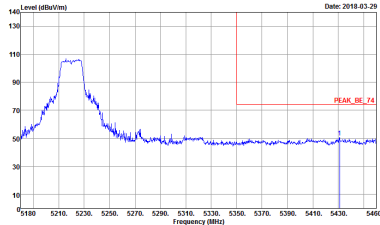
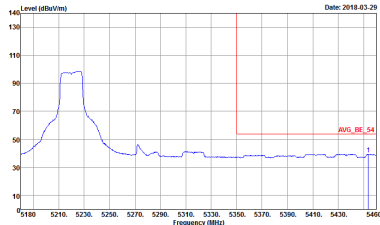


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |

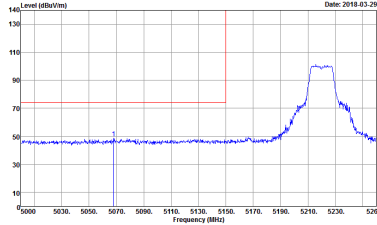
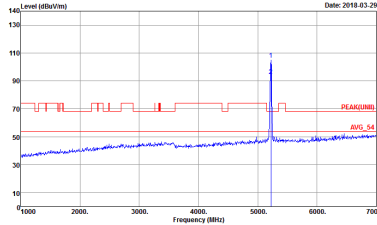
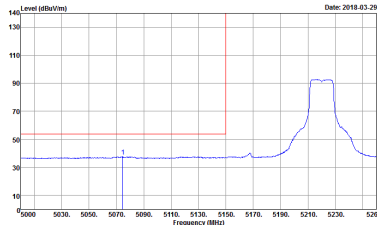


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                               |

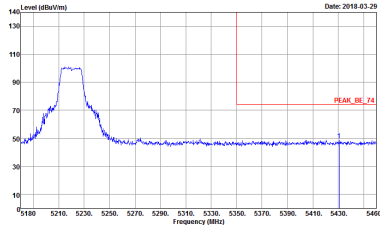
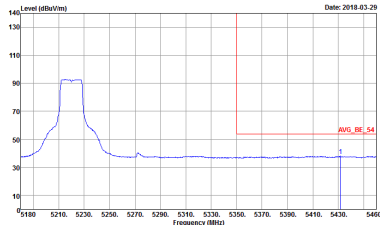


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                             |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                  |             |
| 1    | Horizontal                                                                                                                                                                                                                                     | Fundamental |
| Peak |  <p>Site : 03CHIZ-HY<br/>Condition : 195AK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p> | Left blank  |
| Avg. |  <p>Site : 03CHIZ-HY<br/>Condition : AV6_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p> | Left blank  |

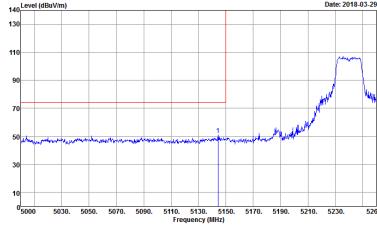
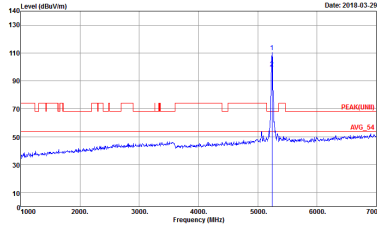
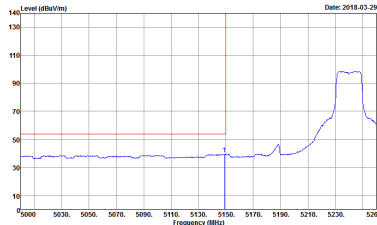


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |

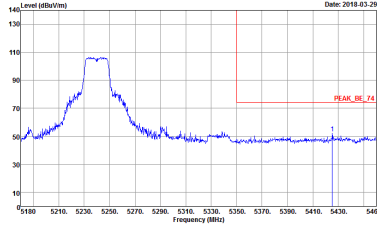
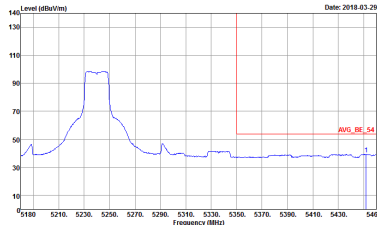


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                                            |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak |  <p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p> | Left blank  |
| Avg. |  <p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11<br/>Setting : 14</p>   | Left blank  |

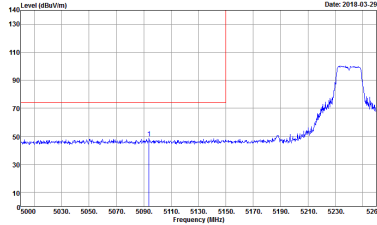
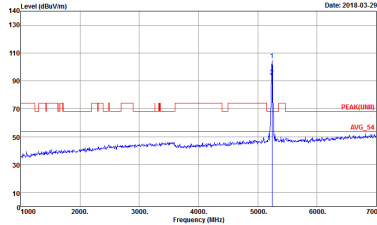
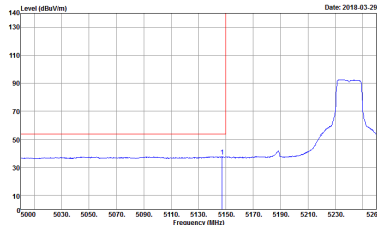


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                               |

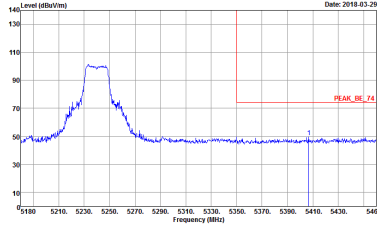
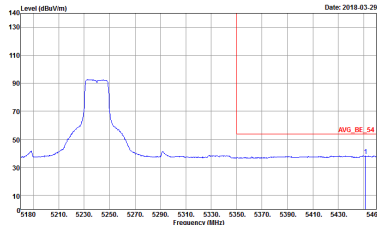


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                            |             |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div> | Left blank  |



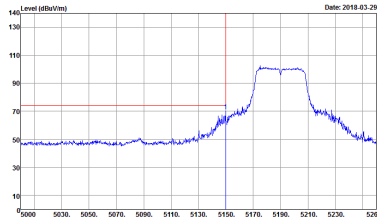
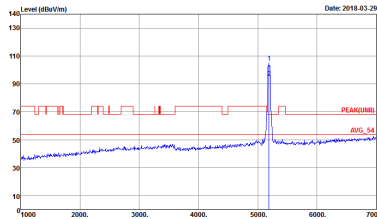
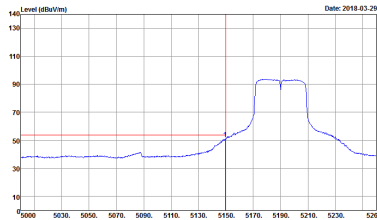
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |



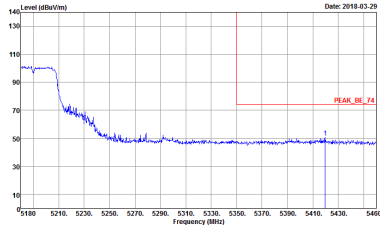
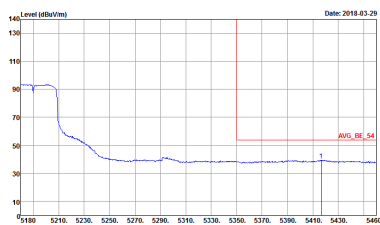
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                          |             |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : 195AK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AV6_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 12<br/>Setting : 14</p></div> | Left blank  |



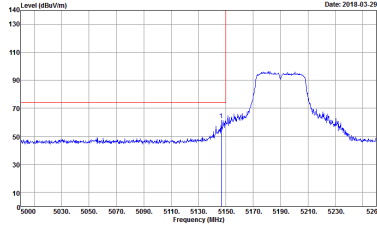
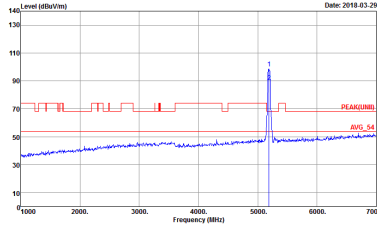
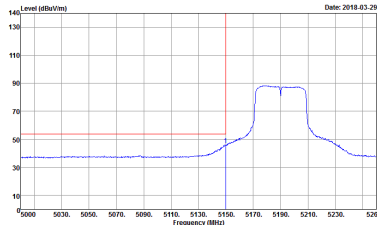
Band 1 5150~5250MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                               |                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                  |
| 1    | Horizontal                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                      |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNL1) 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p> | Left blank                                                                                                                                                                                                                                       |

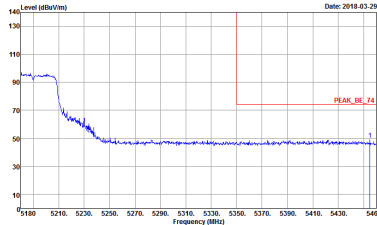
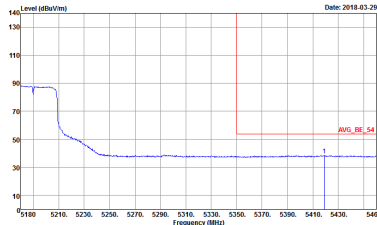


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                         |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                              |             |
| 1    | Horizontal                                                                                                                                                                                                                                                 | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p></div> | Left blank  |

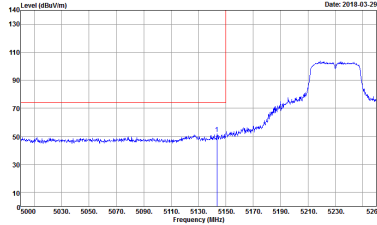
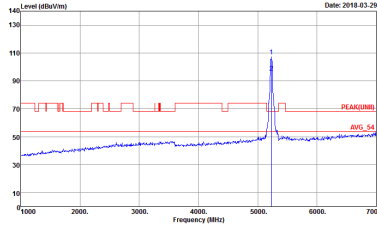
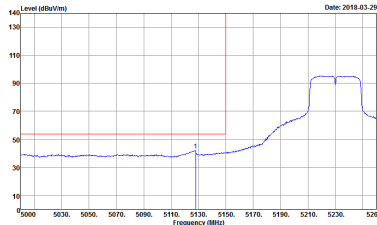


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                          |
| 1    | Vertical                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p></div> | Left blank                                                                                                                                                                                                                                               |

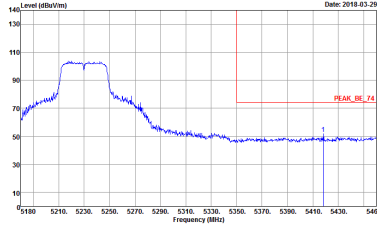
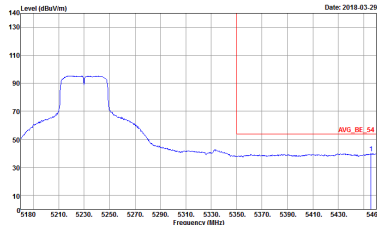


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                            |             |
| 1    | Vertical                                                                                                                                                                                                                                                 | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19<br/>Setting : 11.5</p></div> | Left blank  |

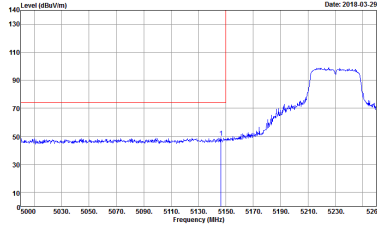
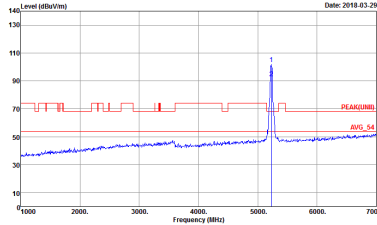
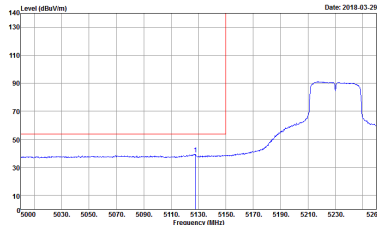


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                               |

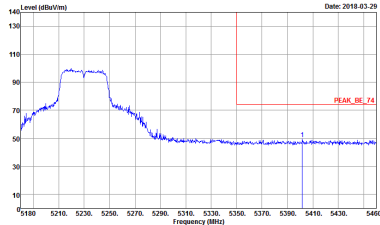
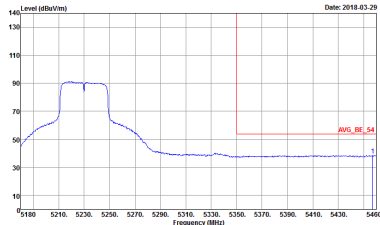


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div>   | Left blank  |



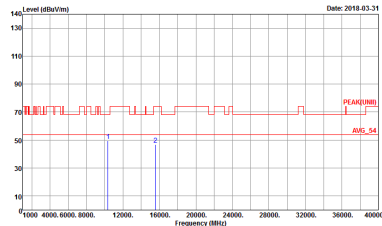
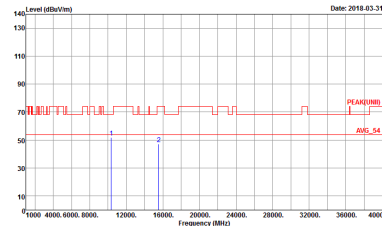
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |



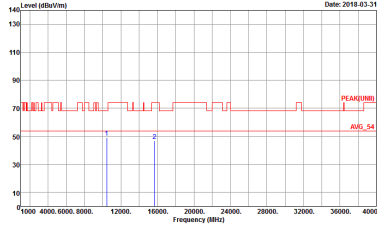
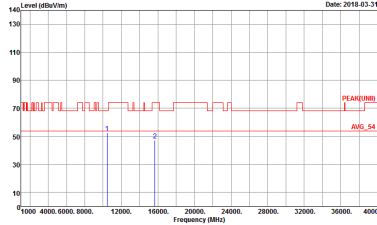
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                                                     | Fundamental |
| Peak |  <p>Site : 03CHIZ-HY<br/>Condition : 1PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p> | Left blank  |
| Avg. |  <p>Site : 03CHIZ-HY<br/>Condition : AV6_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20<br/>Setting : 14</p> | Left blank  |



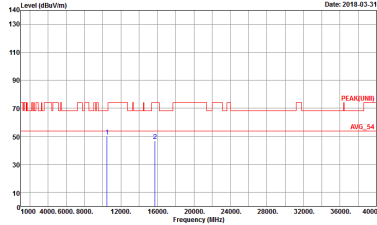
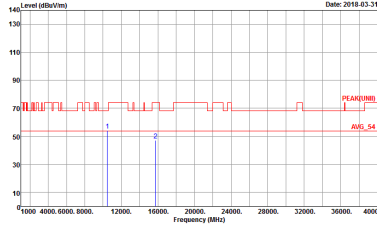
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                  |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11a CH36 5180MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                  |
| 1                              | Horizontal                                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                                         |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH12-HY<br/> Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/> Detector : Peak<br/> Project : 722135-07<br/> Mode : 1<br/> Setting : 14</p> |  <p>Site : 03CH12-HY<br/> Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/> Detector : Peak<br/> Project : 722135-07<br/> Mode : 1<br/> Setting : 14</p> |



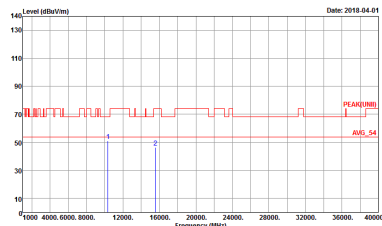
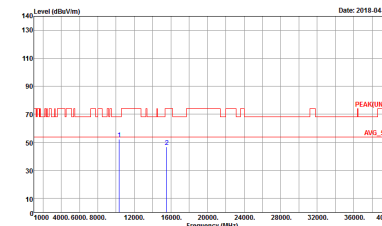
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                              |                                                                                                                                                                                                                                               |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                                                                           |                                                                                                                                                                                                                                               |
| 1            | Horizontal                                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                                      |
| Peak<br>Avg. |  <p>Site : 03CH12-1HY<br/>Condition : (PEAK)UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p> |  <p>Site : 03CH12-1HY<br/>Condition : (PEAK)UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 2<br/>Setting : 14</p> |
|              |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                               |



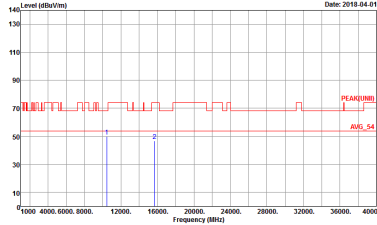
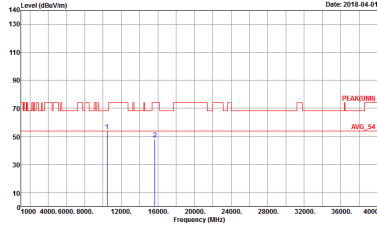
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                              |                                                                                                                                                                                                                                               |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                                                                           |                                                                                                                                                                                                                                               |
| 1            | Horizontal                                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                                      |
| Peak<br>Avg. |  <p>Site : 03CH12-HY<br/>Condition : (PEAK(UNIT)) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p> |  <p>Site : 03CH12-HY<br/>Condition : (PEAK(UNIT)) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 3<br/>Setting : 14</p> |
|              |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                               |



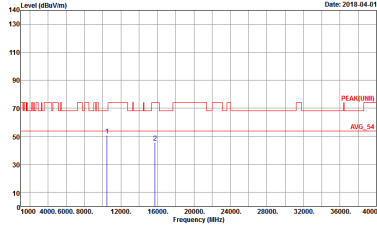
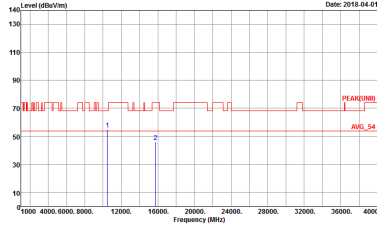
Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 10</p></div> |



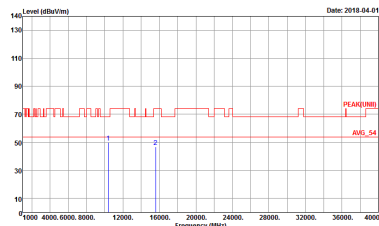
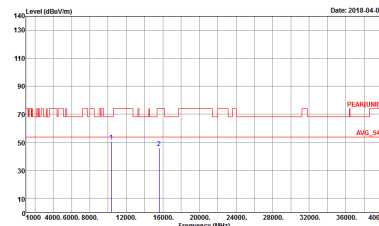
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                               |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH44 5220MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                               |
| 1            | Horizontal                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                      |
| Peak<br>Avg. |  <p>Site : 03CH12-HY<br/>Condition : (PEAK(UNIT)) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11</p> |  <p>Site : 03CH12-HY<br/>Condition : (PEAK(UNIT)) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 11</p> |
|              |                                                                                                                                                                                                                                |                                                                                                                                                                                                                               |



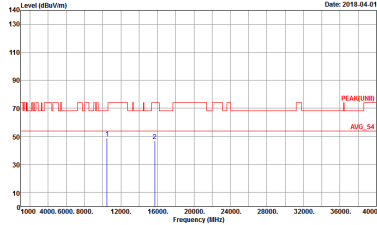
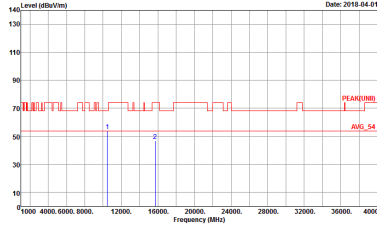
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH48 5240MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                                |
| 1            | Horizontal                                                                                                                                                                                                                      | Vertical                                                                                                                                                                                                                       |
| Peak<br>Avg. |  <p>Site : 03CH12-1HY<br/>Condition : (PEAK(UNIT)) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1E</p> |  <p>Site : 03CH12-1HY<br/>Condition : (PEAK(UNIT)) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1E</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                                                                                                                                                                                                                    |
| Peak<br>Avg. |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19</p> |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 19</p> |



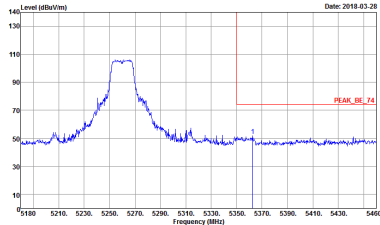
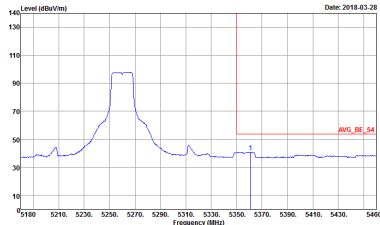
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                       |                                                                                                                                                                                                                                        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH46 5230MHz                                                                                                                                                                                                               |                                                                                                                                                                                                                                        |
| 1            | Horizontal                                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                                               |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : (PEAK)UNIT1 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : (PEAK)UNIT1 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 20</p></div> |
|              |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                        |



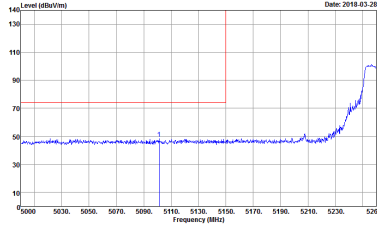
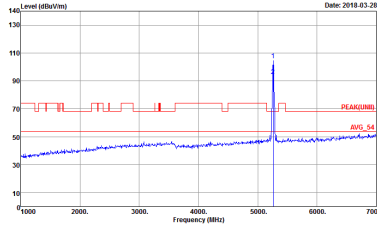
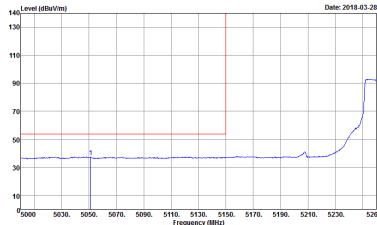
Band 2 - 5250~5350MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                             |                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                       |                                                                                                                                                                                                |
| 1    | Horizontal                                                                                                                                                                                     | Fundamental                                                                                                                                                                                    |
| Peak | <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p> | <p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p> |
| Avg. | <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p>     | Left blank                                                                                                                                                                                     |

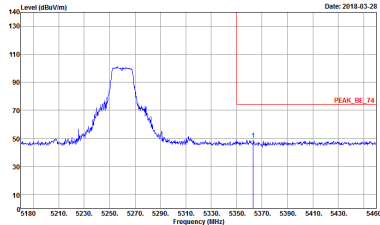
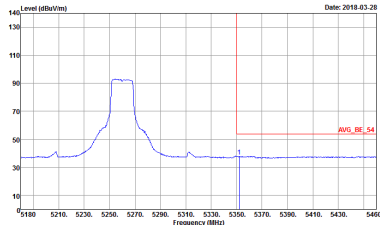


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                         |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                                   |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BF_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BF_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</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 : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                            |

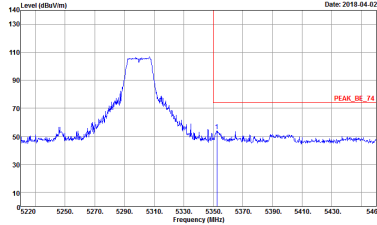
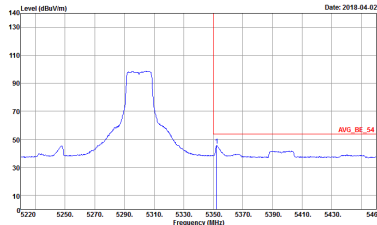


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                                 |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                 | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_05_74 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_05_54 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div>   | Left blank  |

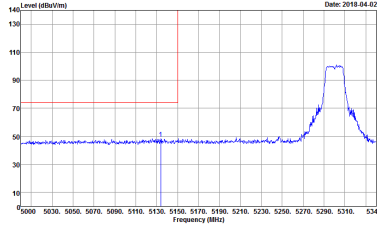
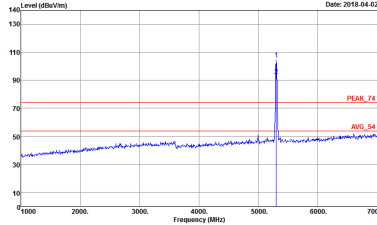
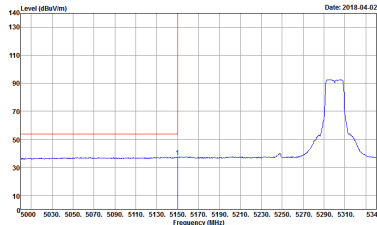


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                      |                                                                                                                                                                      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                |                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                              | Fundamental                                                                                                                                                          |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div>  | Left blank                                                                                                                                                           |

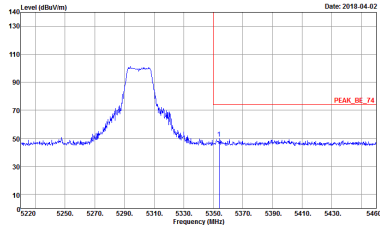
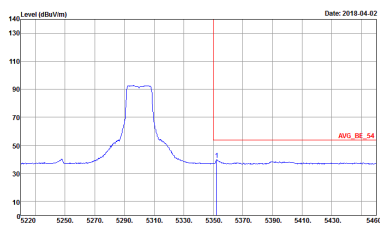


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                  | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:10000000Hz VBW:30000000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:10000000Hz VBW:10000000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div> | Left blank  |

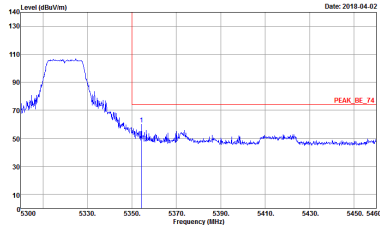
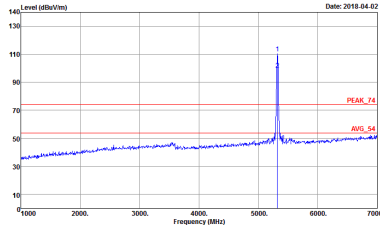
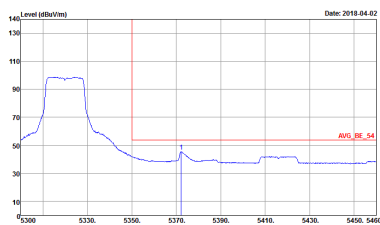


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                      |
| 1    | Vertical                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                           |

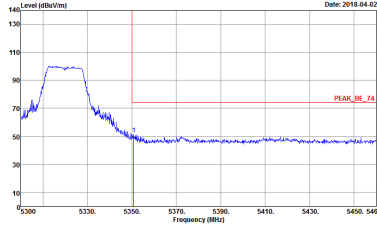
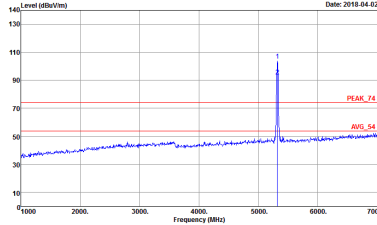
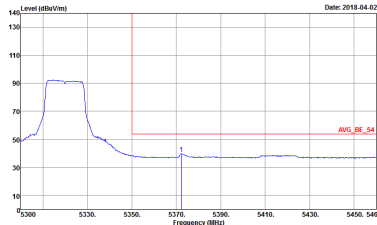


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                      |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                                                                | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p></div> | Left blank  |



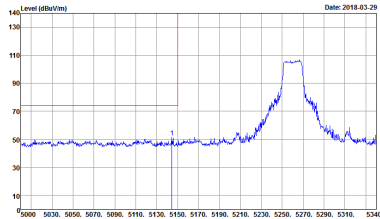
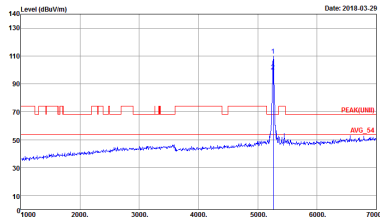
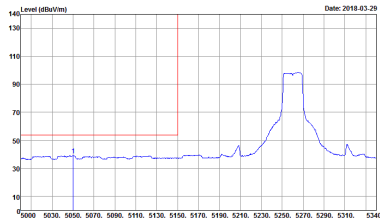
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                            |                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 6<br/>Setting : 13.5</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 6<br/>Setting : 13.5</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 6<br/>Setting : 13.5</p> | Left blank                                                                                                                                                                                                                                   |



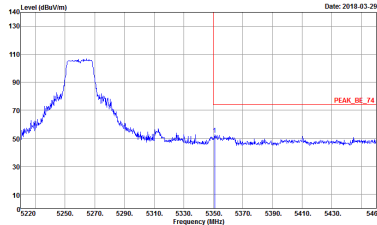
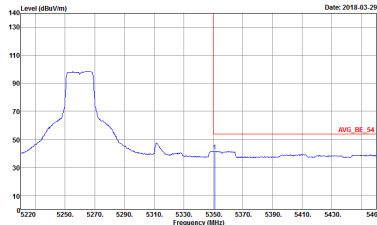
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                      |
| 1    | Vertical                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 6<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 6<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 6<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                           |



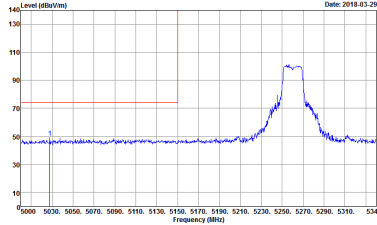
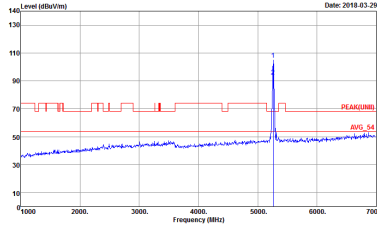
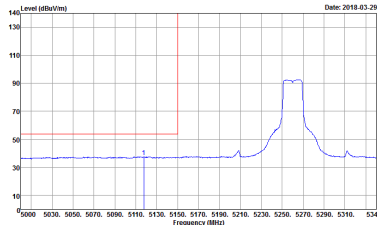
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                |
| 1    | Horizontal                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNL1) 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p> | Left blank                                                                                                                                                                                                                                     |

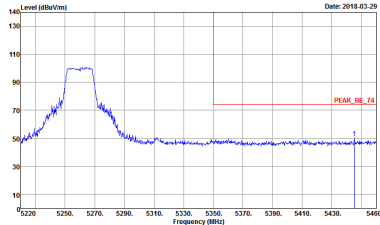
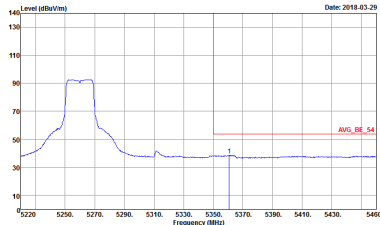


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                       |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                            |             |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p></div> | Left blank  |

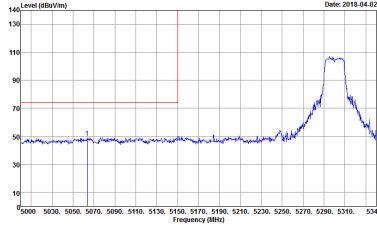
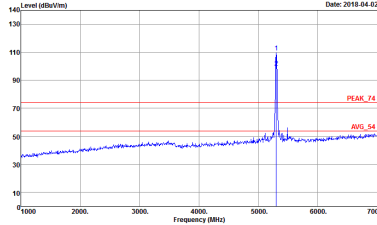
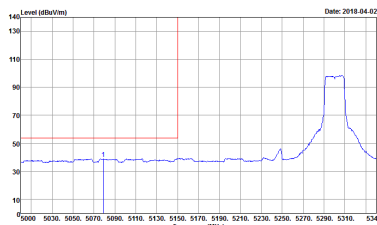


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |

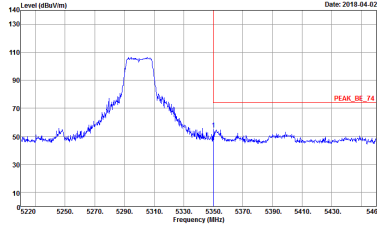
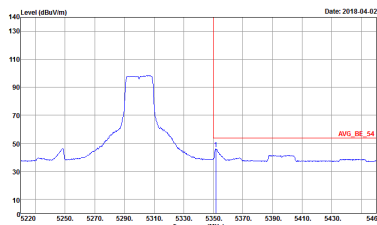


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                |             |
| 1    | Vertical                                                                                                                                                                                                                                     | Fundamental |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p>  | Left blank  |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13<br/>Setting : 14</p> | Left blank  |

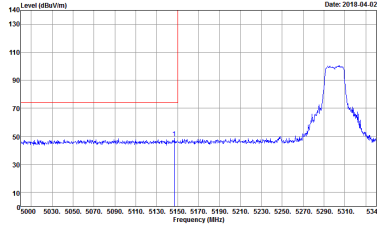
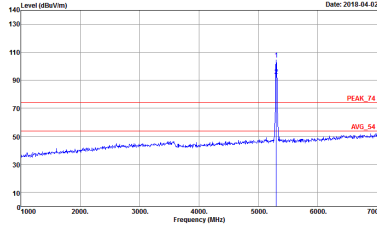
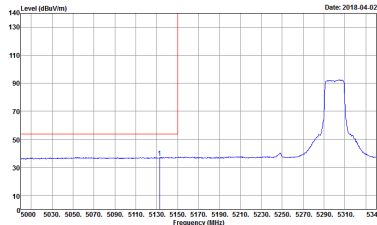


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                             |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                              |

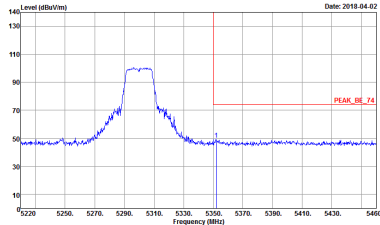
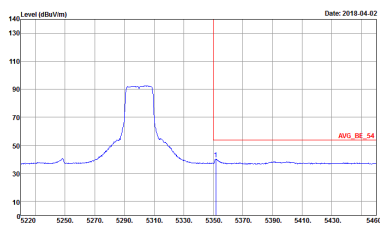


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                               |            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                                                                    |            |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                       | Vertical   |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : Peak<br/>Setting : 14<br/>Setting : 13.5</p></div> | Left blank |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : Peak<br/>Setting : 14<br/>Setting : 13.5</p></div>   | Left blank |

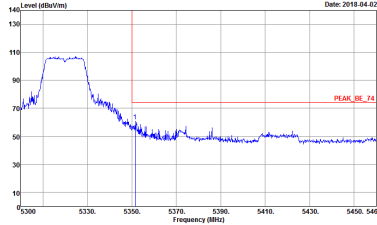
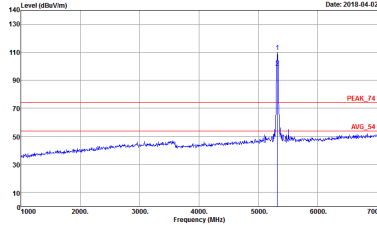
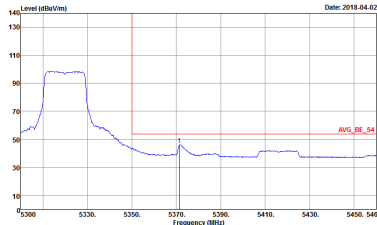


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_14 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                            |

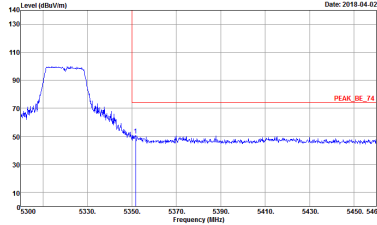
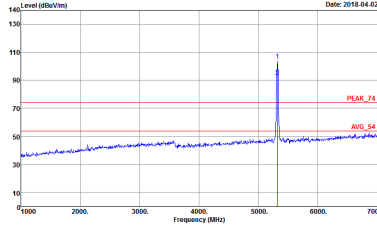
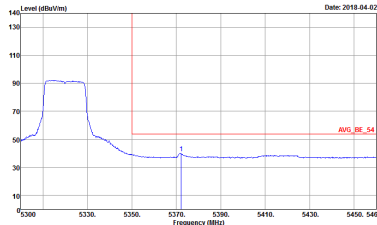


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                                               |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div>   | Left blank  |



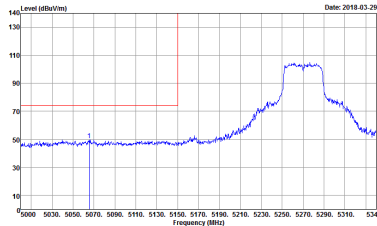
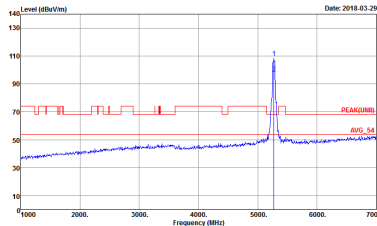
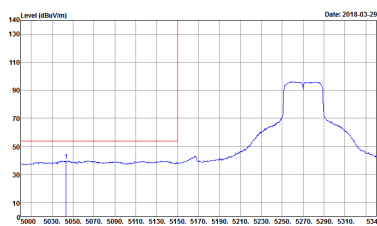
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                         |
| 1    | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                             |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                              |



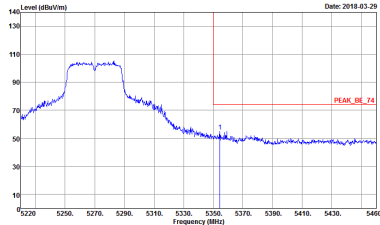
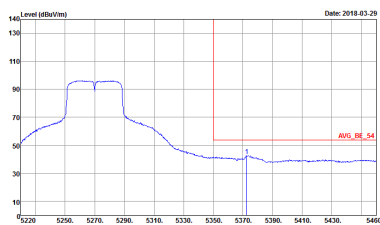
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                       |
| 1    | Vertical                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_F4 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                            |



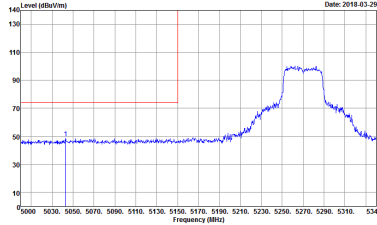
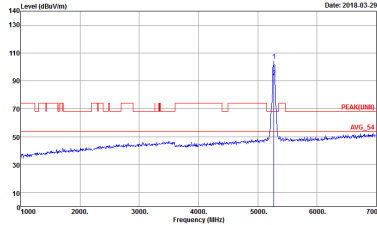
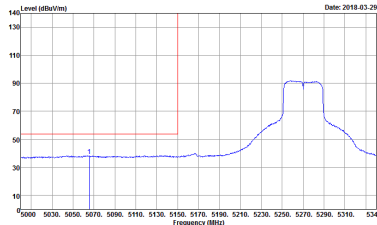
Band 2 5250~5350MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                |
| 1    | Horizontal                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNL1) 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p> | Left blank                                                                                                                                                                                                                                     |

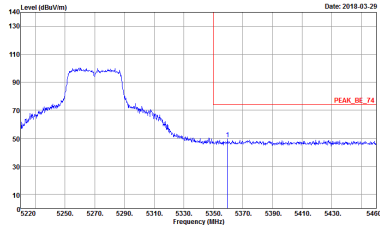
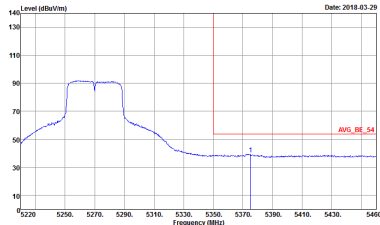


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                                                                   |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p></div> | Left blank  |

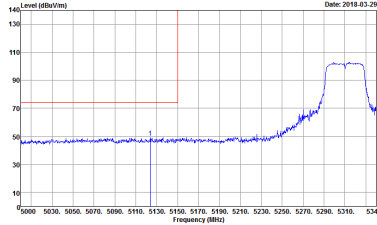
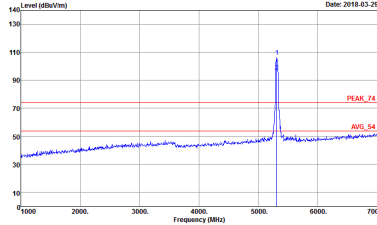
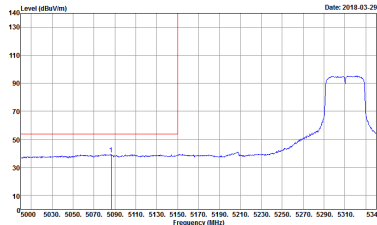


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270 - L                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |

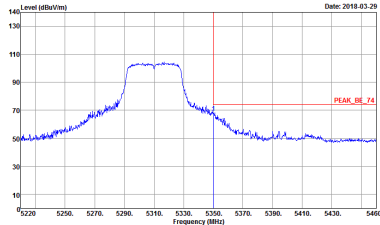
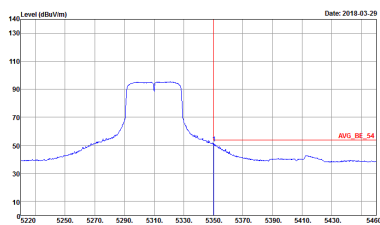


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT40 CH54 5270 - R                                                                                                                                                                                                                   |            |
| 1    | Vertical                                                                                                                                                                                                                                     | Vertical   |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p>  | Left blank |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21<br/>Setting : 14</p> | Left blank |

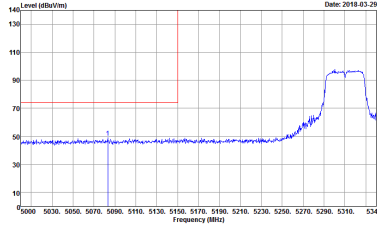
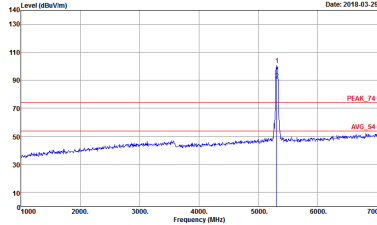
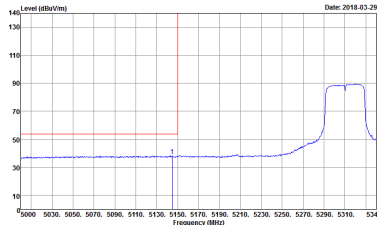


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_F4_3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div> | Left blank                                                                                                                                                                                                                                            |

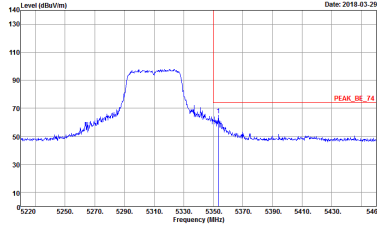
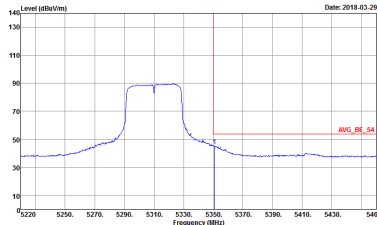


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                                         |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                         | Fundamental |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p>  | Left blank  |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p> | Left blank  |



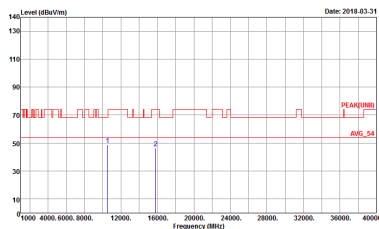
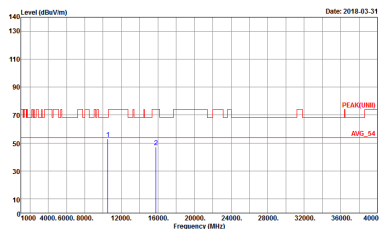
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 - L                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                         |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div> | Left blank                                                                                                                                                                                                                                          |



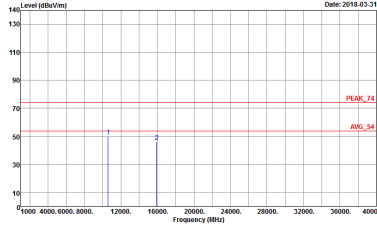
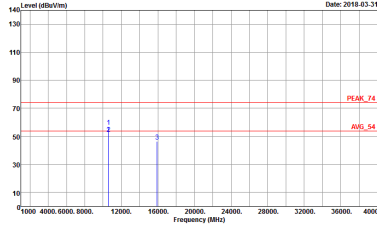
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                            |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310 - R                                                                                                                                                                                                                                                                                    |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000kHz VBW:3.000kHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22<br/>Setting : 12</p></div>   | Left blank  |



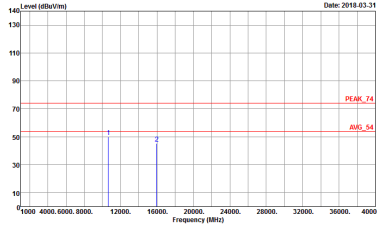
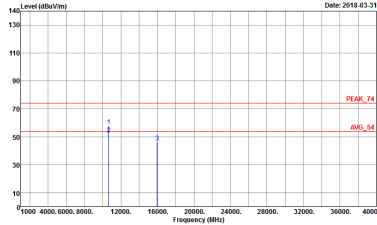
Band 2 - 5250~5350MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH52 5260MHz                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 4<br/>Setting : 14</p></div> |



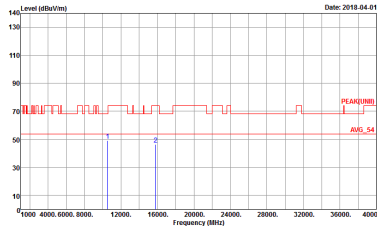
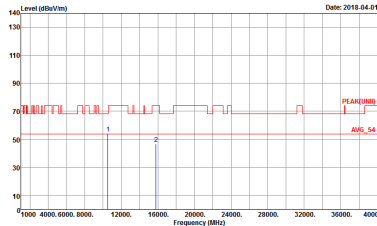
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                            |                                                                                                                                                                                                                                             |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH60 5300MHz                                                                                                                                                                                                                         |                                                                                                                                                                                                                                             |
| 1            | Horizontal                                                                                                                                                                                                                                   | Vertical                                                                                                                                                                                                                                    |
| Peak<br>Avg. |  <p>Site : 03CH12-44Y<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p> |  <p>Site : 03CH12-44Y<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 5<br/>Setting : 13.5</p> |
|              |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                             |



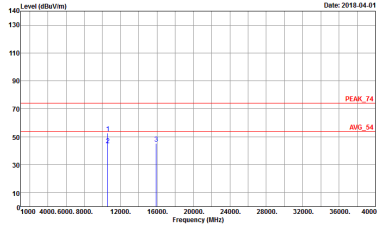
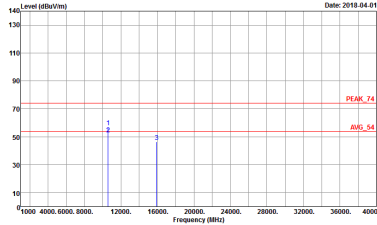
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                              |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH64 5320MHz                                                                                                                                                                                                                          |                                                                                                                                                                                                                                              |
| 1            | Horizontal                                                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                                                     |
| Peak<br>Avg. |  <p>Site : 03CH12-44Y<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : -6<br/>Setting : 13.5</p> |  <p>Site : 03CH12-44Y<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : -6<br/>Setting : 13.5</p> |
|              |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                              |



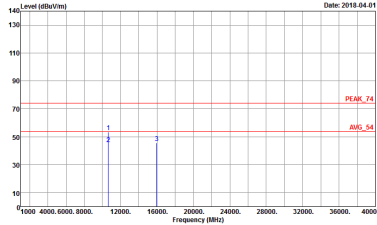
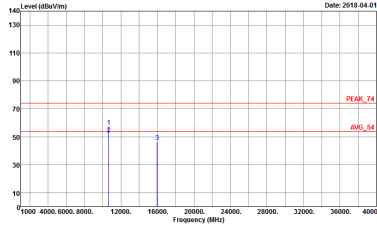
Band 2 5250~5350MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH52 5260MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 13</p></div> |



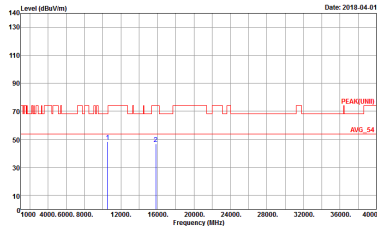
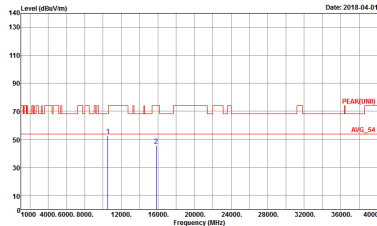
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH60 5300MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 14<br/>Setting : 13.5</p></div> |



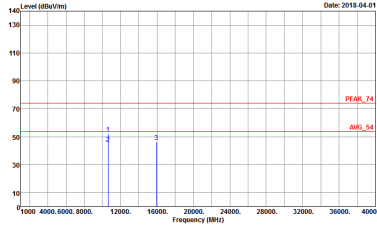
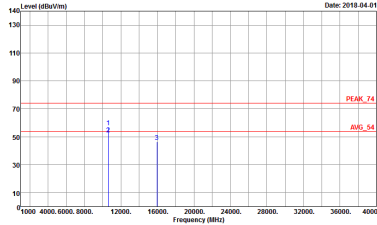
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 15<br/>Setting : 13.5</p></div> |



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

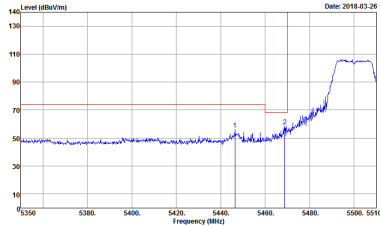
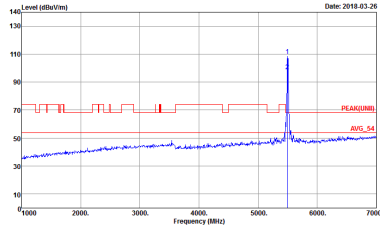
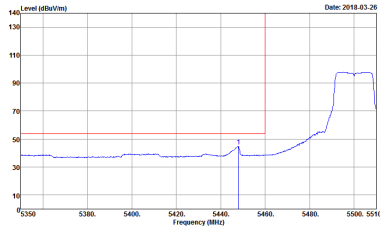
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH54 5270                                                                                                                                                                                                                 |                                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 21</p></div> |



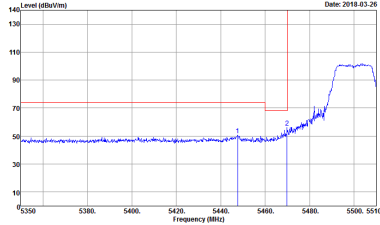
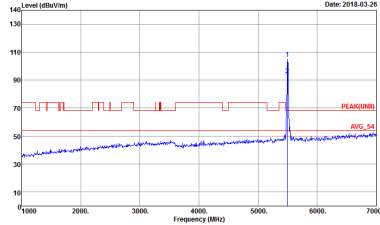
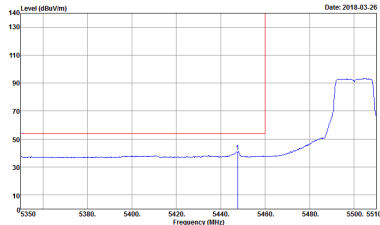
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                          |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH62 5310                                                                                                                                                                                                    |                                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22</p> |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 22</p> |
|              |                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |



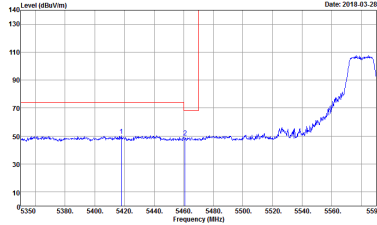
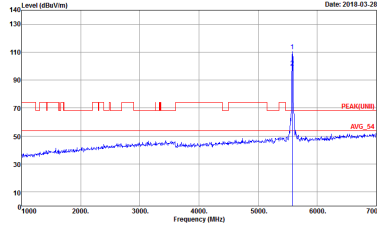
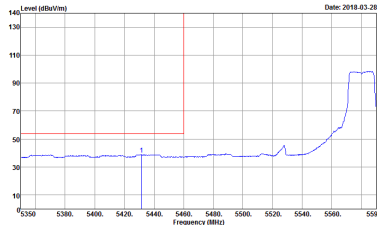
**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 7</p> |  <p>Site : 03CH12-HY<br/>Condition : F54(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 7</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 7</p>   | Left blank                                                                                                                                                                                                                                                      |

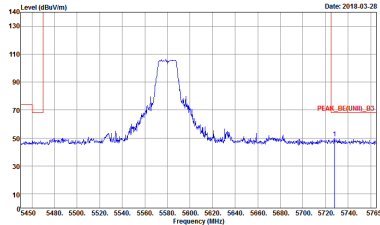


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                           |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                               |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 7</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT1) 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 7</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : RBW:1000.0000Hz VBW:1.0000Hz SWT:Auto<br/>Project : 722135-07<br/>Mode : 7</p></div>   | Left blank                                                                                                                                                                                                                                                                |

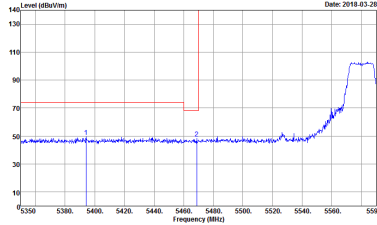
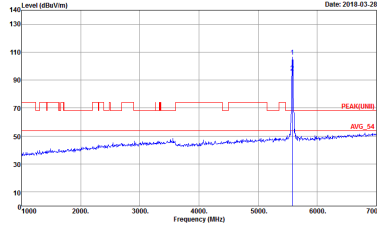
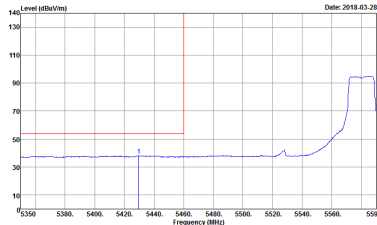


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                            |
| 1    | Horizontal                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : B<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT1) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : B<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : B<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                                 |

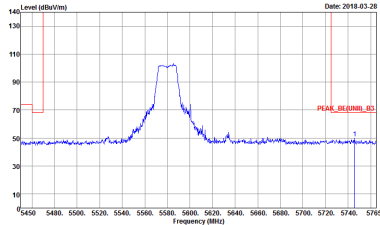


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                               |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                                                                        |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 00CH12-14Y<br/>Condition : PEAK, BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>RBW:1000.0000KHz VBW:3000.0000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 8<br/>Setting : 13.5</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 : 03CH12-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 8<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT1) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 8<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 8<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                               |

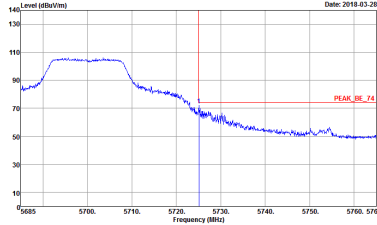
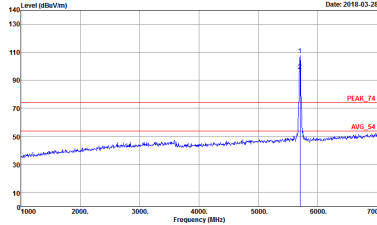
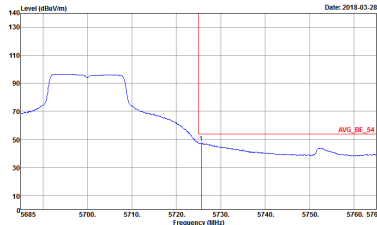


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                            |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                                      | Fundamental |
| Peak | <div><p>Site : 00CH12-14Y<br/>Condition : PEAK, BE(UNIT1), B3 3m HORN_9120D_1328 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 8<br/>Setting : 13.5</p></div> | Left blank  |



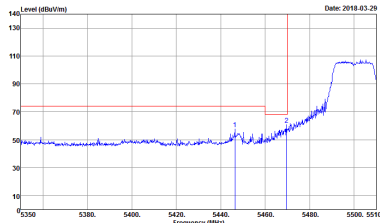
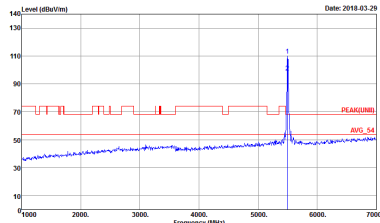
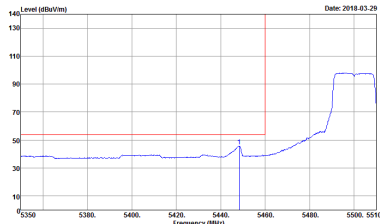
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                      |                                                                                                                                                                      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                   |                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                              | Fundamental                                                                                                                                                          |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 9<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 9<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 9<br/>Setting : 13.5</p></div>  | Left blank                                                                                                                                                           |



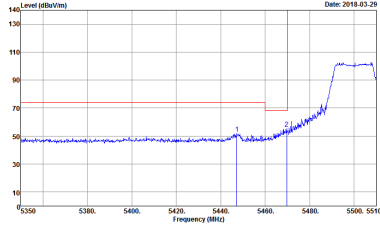
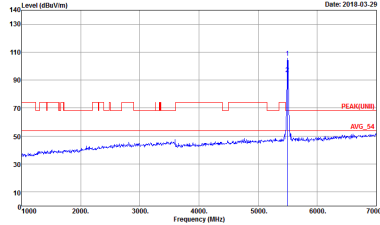
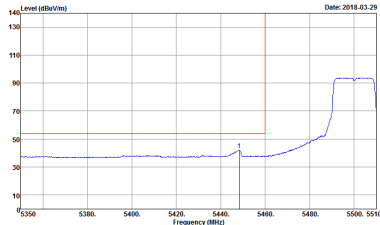
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |
| 1    | Vertical                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 9<br/>Setting : 13.5</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_F4 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 9<br/>Setting : 13.5</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 9<br/>Setting : 13.5</p></div> | Left blank                                                                                                                                                                                                                                           |



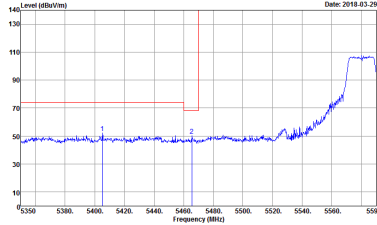
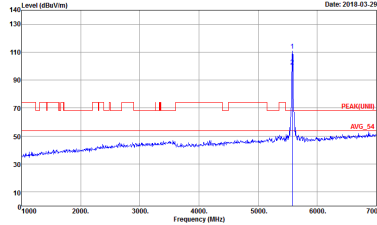
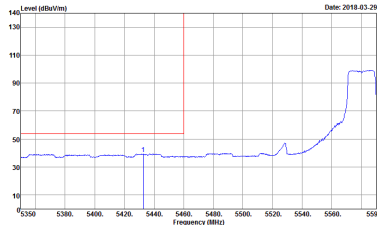
Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16<br/>Setting : 14</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT1) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16<br/>Setting : 14</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16<br/>Setting : 14</p> | Left blank                                                                                                                                                                                                                                      |

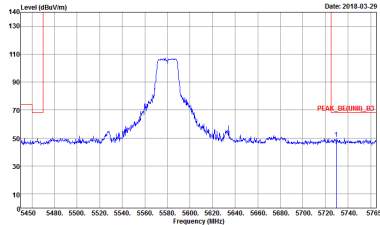


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                         |
| 1    | Vertical                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                             |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT1) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                              |

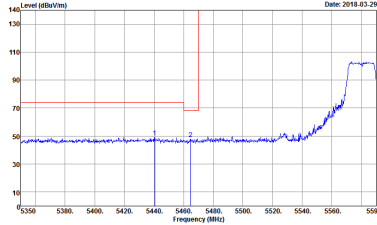
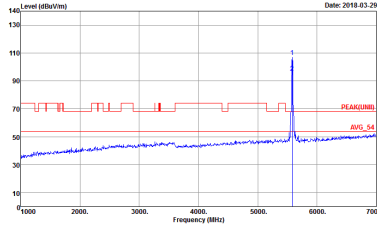
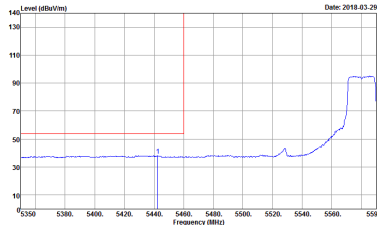


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                                   |

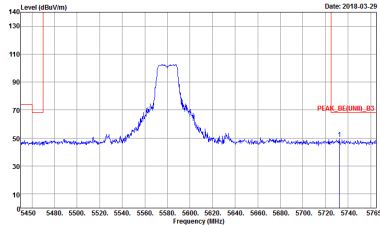


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                           |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 00CH12-14Y<br/>Condition : PEAK_BE(UNIT1)_B3 3m HORN_9120D_1328 HORIZONTAL<br/>RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</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 : 03CH12-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |

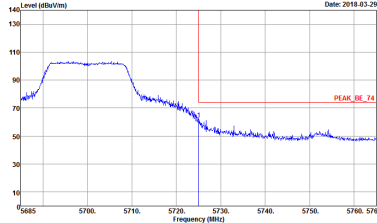
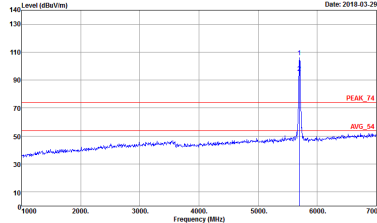
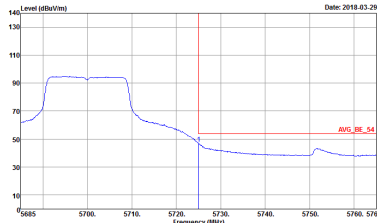


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                           |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                               |             |
| 1    | Vertical                                                                                                                                                                                                                                                     | Fundamental |
| Peak | <div><p>Site : 00CH12-14Y<br/>Condition : PEAK_80(UNIT)_83 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17<br/>Setting : 14</p></div> | Left blank  |



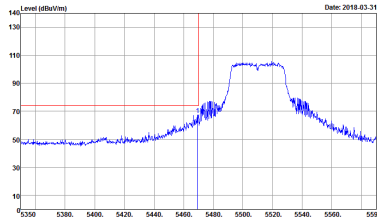
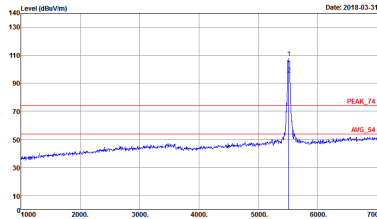
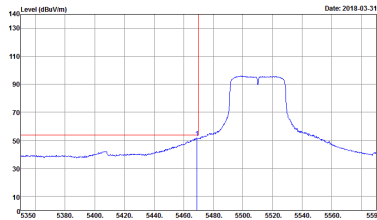
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                     |                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH140 5700MHz                                                                                                                                             |                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                             | Fundamental                                                                                                                                                         |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 18<br/>Setting : 12</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 18<br/>Setting : 12</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 18<br/>Setting : 12</p></div>  | Left blank                                                                                                                                                          |



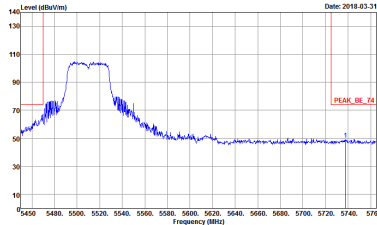
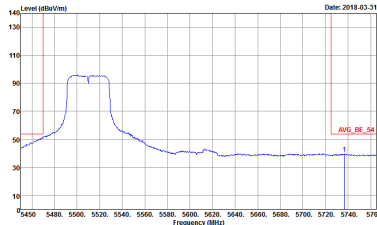
| WIFI  | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT   | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                     |
| 1     | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                         |
| Peak. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1B<br/>Setting : 12</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1B<br/>Setting : 12</p></div> |
| Avg.  | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 1B<br/>Setting : 12</p></div> | Left blank                                                                                                                                                                                                                                          |



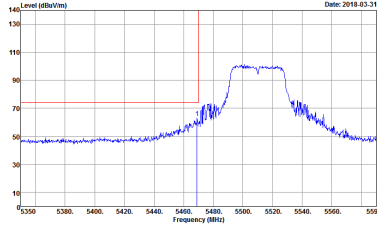
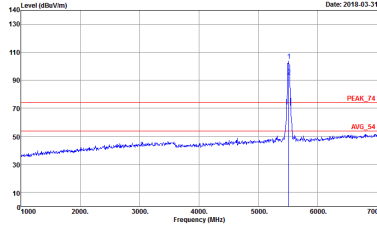
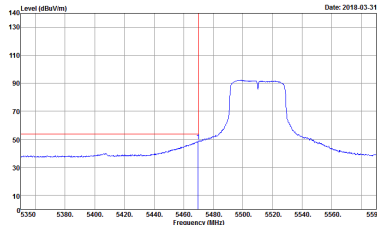
Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                 |                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p>  |  <p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p> |
| Avg. |  <p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p> | Left blank                                                                                                                                                                                                                                  |

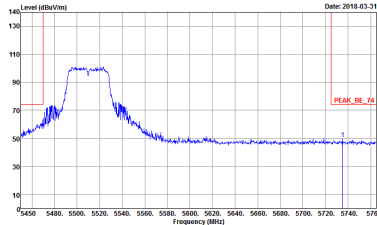
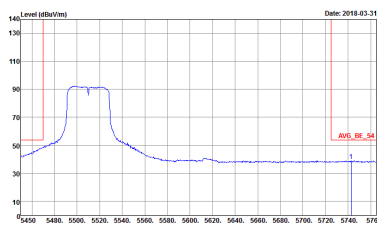


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p></div> | Left blank  |

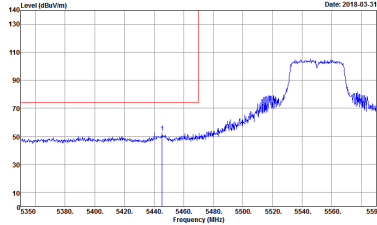
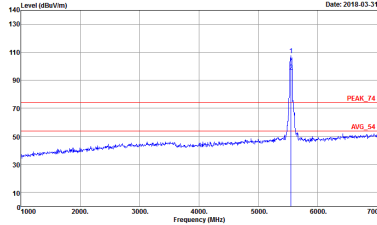
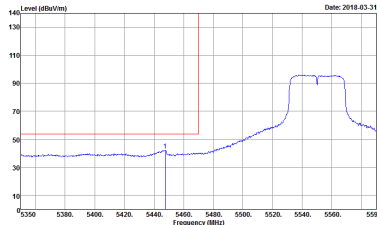


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                             |

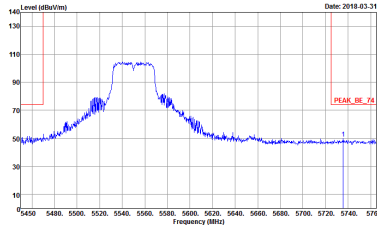
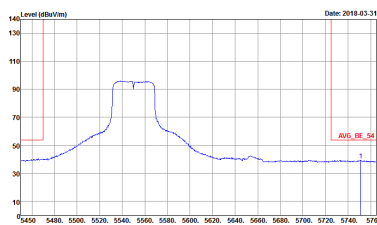


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                         |             |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23<br/>Setting : 14</p></div> | Left blank  |

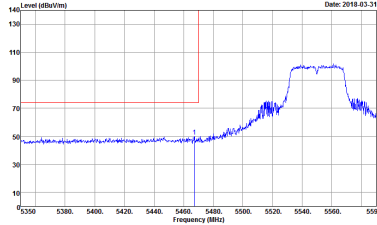
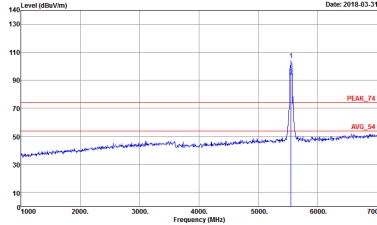
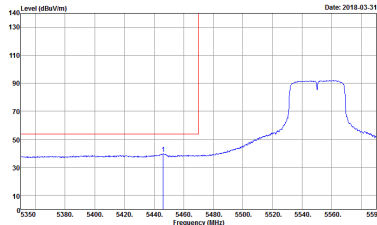


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                            |

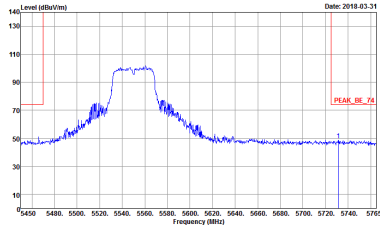
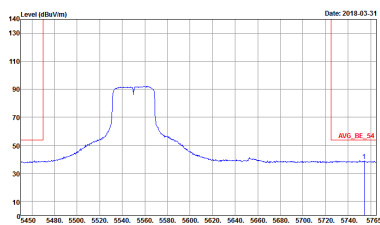


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                           |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : RBW:3000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div> | Left blank  |

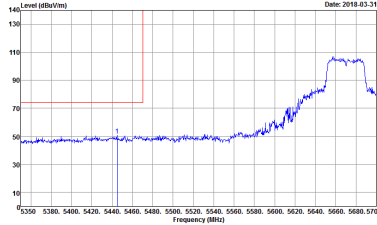
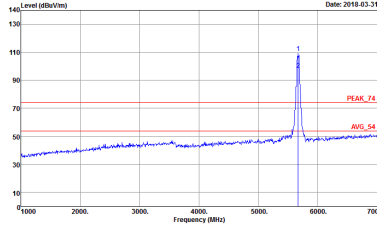
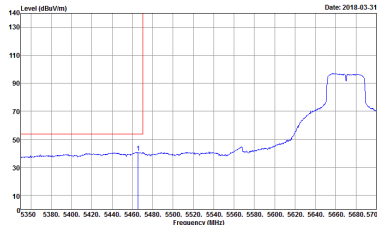


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH110 5550MHz - L                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                         |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                          |

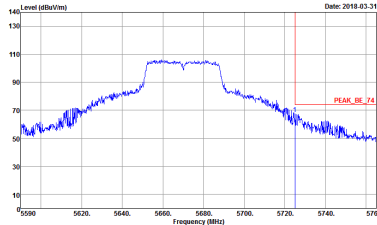
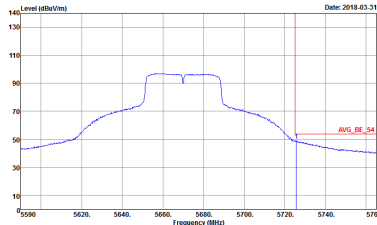


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                         |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH110 5550MHz - R                                                                                                                                                                                                                                                             |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 722135-07<br/>Mode : 24<br/>Setting : 14</p></div> | Left blank  |

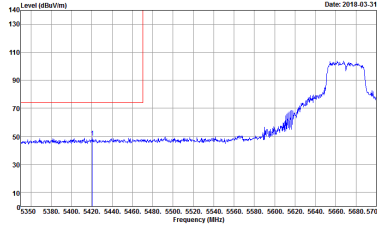
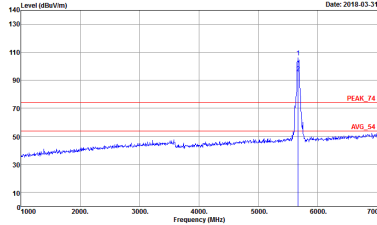
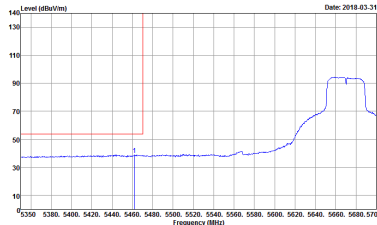


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                            |

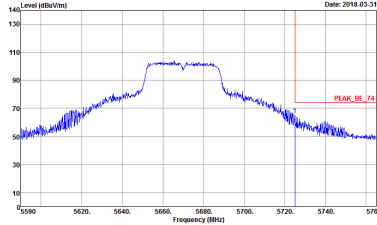
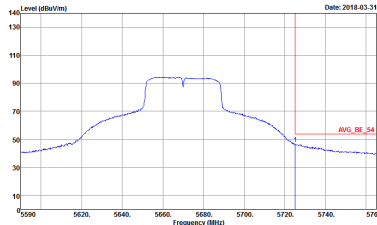


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                       |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                           |             |
| 1    | Horizontal                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CHIZ-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CHIZ-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div> | Left blank  |



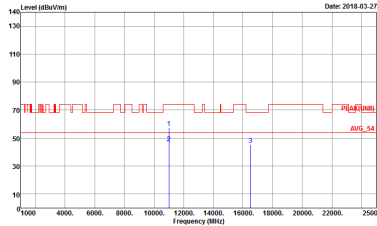
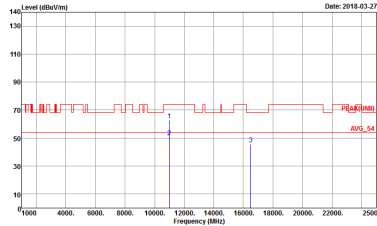
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH134 5670MHz - L                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                         |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div>  | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div> |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div> | Left blank                                                                                                                                                                                                                                          |



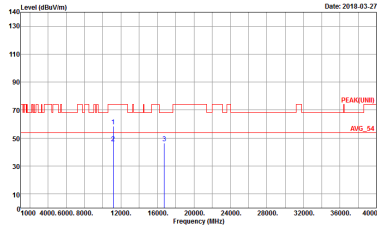
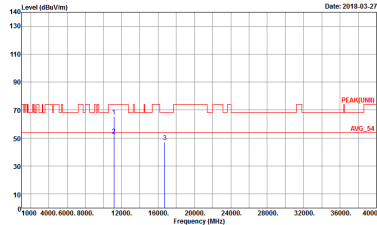
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                             |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH134 5670MHz - R                                                                                                                                                                                                                                                                                 |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                                       | Fundamental |
| Peak | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH12-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1328 VERTICAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25<br/>Setting : 14</p></div> | Left blank  |



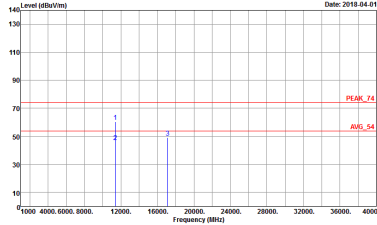
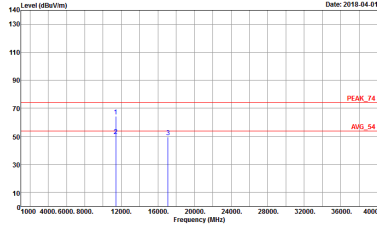
Band 3 - 5470~5725MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                           |                                                                                                                                                                                                                            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH100 5500MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                            |
| 1            | Horizontal                                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                                   |
| Peak<br>Avg. |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 7</p> |  <p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 7</p> |



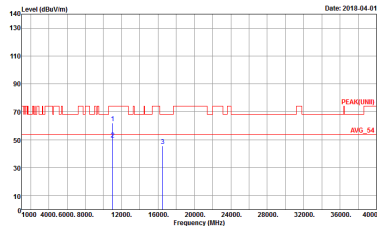
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH116 5580MHz                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                                 |
| Peak<br>Avg. | <div><p>Site : 03CH12-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : S<br/>Setting : 13.5</p></div> | <div><p>Site : 03CH12-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : S<br/>Setting : 13.5</p></div> |
|              |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                          |



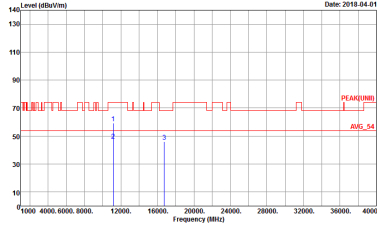
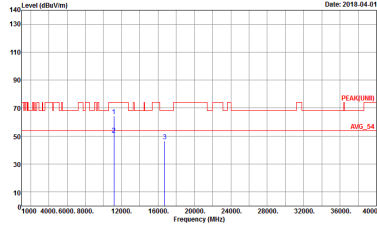
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                    |                                                                                                                                                                                                                                     |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH140 5700MHz                                                                                                                                                                                                                |                                                                                                                                                                                                                                     |
| 1            | Horizontal                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : -9</p></div> | <div><p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : -9</p></div> |
|              |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                     |



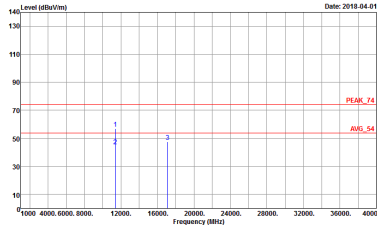
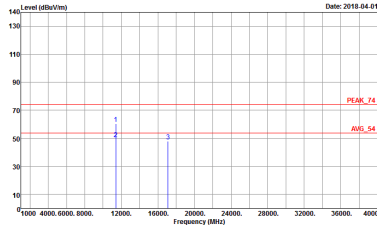
Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                             |                                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 16</p></div> |



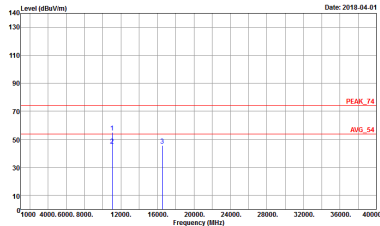
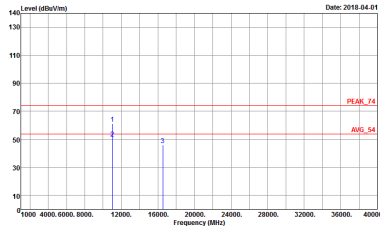
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                       |                                                                                                                                                                                                                                        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH116 5580MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                        |
| 1            | Horizontal                                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                                               |
| Peak<br>Avg. | <div><p>Site : 03CH12-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17</p></div> | <div><p>Site : 03CH12-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 17</p></div> |
|              |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                        |



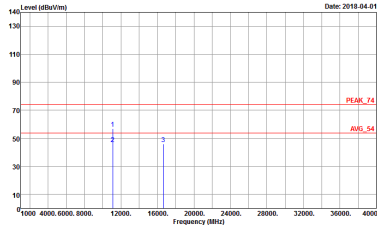
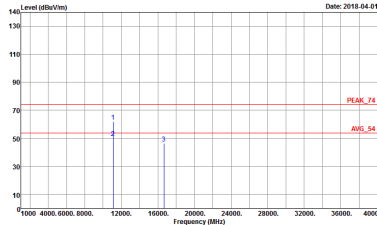
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                           |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                           |
| 1            | Horizontal                                                                                                                                                                                                                 | Vertical                                                                                                                                                                                                                  |
| Peak<br>Avg. |  <p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 18</p> |  <p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 18</p> |
|              |                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |



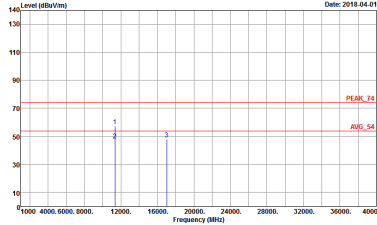
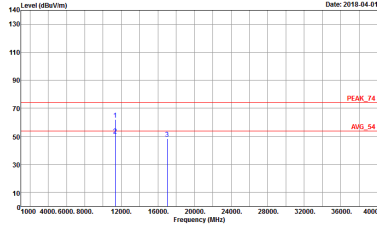
Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                   |                                                                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH102 5510MHz                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23</p></div> | <div><p>Site : 03CH12-HY<br/>Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 23</p></div> |



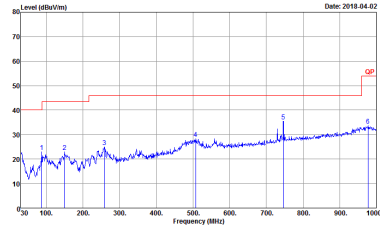
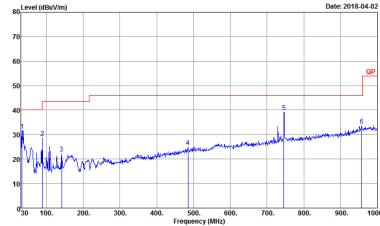
| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                    |                                                                                                                                                                                                                                     |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH110 5550MHz                                                                                                                                                                                                           |                                                                                                                                                                                                                                     |
| 1            | Horizontal                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24</p></div> | <div><p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 24</p></div> |
|              |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                     |



| WIFI         | Band 3 5470~5725MHz Harmonic @ 3m                                                                                                                                                                                                    |                                                                                                                                                                                                                                     |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH134 5670MHz                                                                                                                                                                                                           |                                                                                                                                                                                                                                     |
| 1            | Horizontal                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25</p></div> | <div><p>Site : 03CH12-44Y<br/>Condition : PEAK_T4 3m HORN_91200_1328 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 25</p></div> |
|              |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                     |



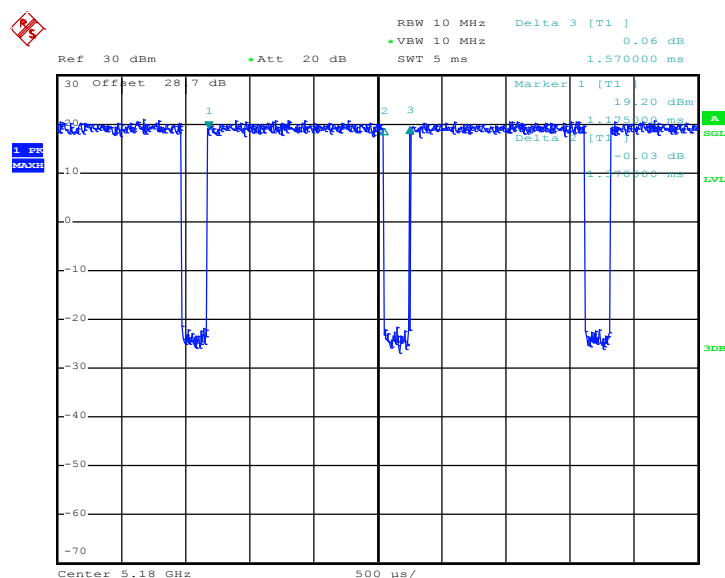
Emission below 1GHz  
5GHz WIFI 802.11a (LF)

| WIFI         | 5GHz WIFI                                                                                                                                                                                                              |                                                                                                                                                                                                                       |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a LF                                                                                                                                                                                                             |                                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                              |
| QP /<br>Peak |  <p>Site : 03CH12-HY<br/>Condition : QP 3m BTL06_6111D_35414 HORIZONTAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 34</p> |  <p>Site : 03CH12-HY<br/>Condition : QP 3m BTL06_6111D_35414 VERTICAL<br/>Detector : Peak<br/>Project : 722135-07<br/>Mode : 34</p> |
|              |                                                                                                                                                                                                                        |                                                                                                                                                                                                                       |

## Appendix E. Duty Cycle Plots

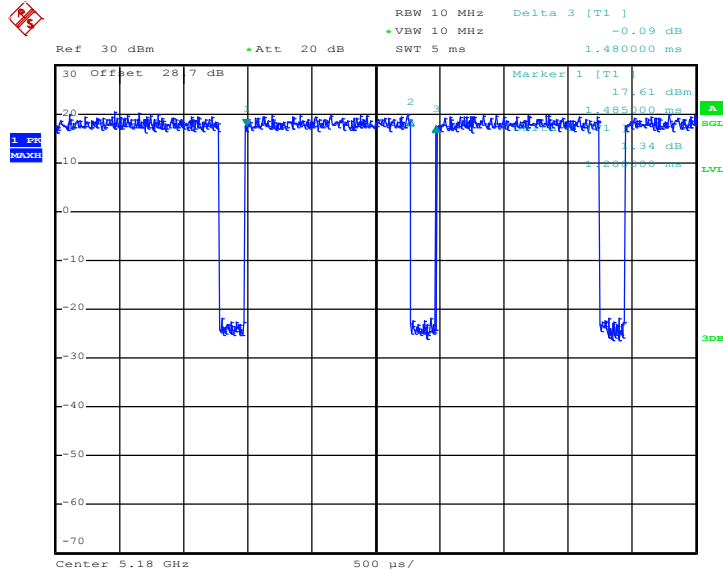
| Band              | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|-------------------|---------------|-------|----------|-------------|-----------------|
| 802.11a           | 87.26         | 1370  | 0.73     | 1kHz        | 0.59            |
| 5GHz 802.11n HT20 | 86.49         | 1280  | 0.78     | 1kHz        | 0.63            |
| 5GHz 802.11n HT40 | 86.14         | 630   | 1.59     | 3kHz        | 0.70            |

### 802.11a



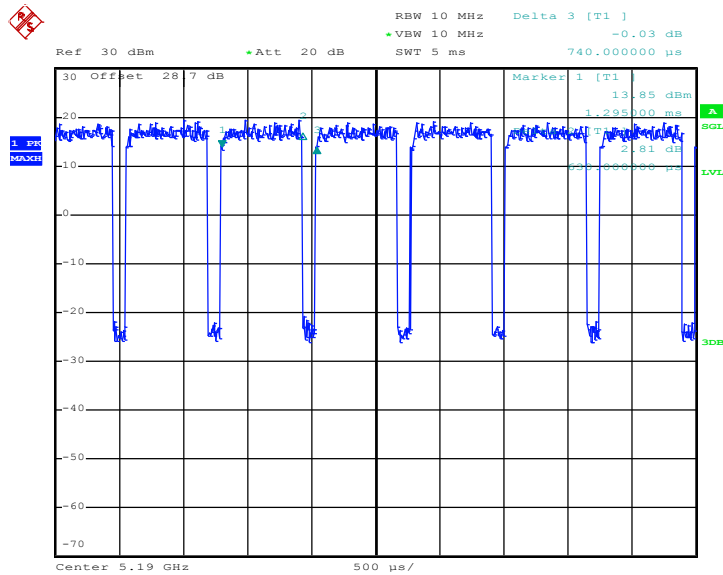
Date: 14.FEB.2018 10:29:47

## 802.11n HT20



Date: 14.FEB.2018 13:39:24

## 802.11n HT40



Date: 14.FEB.2018 13:52:48