

# FCC RADIO TEST REPORT

FCC ID : A4RG020J  
Equipment : Phone  
Model Name : G020J  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Nov. 07, 2018 and testing was started from Apr. 06, 2019 and completed on Jun. 26, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Jones Tsai

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

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



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## History of this test report

| Report No.   | Version | Description                              | Issued Date   |
|--------------|---------|------------------------------------------|---------------|
| FR8N0620-05E | 01      | Initial issue of report                  | Jun. 28, 2019 |
| FR8N0620-05E | 02      | Revise the antenna numbers in the report | Jul. 09, 2019 |
|              |         |                                          |               |
|              |         |                                          |               |
|              |         |                                          |               |
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|              |         |                                          |               |
|              |         |                                          |               |
|              |         |                                          |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause     | Test Items                             | Result (PASS/FAIL) | Remark                                    |
|---------------|---------------------|----------------------------------------|--------------------|-------------------------------------------|
| 3.1           | 15.403(i)           | 26dB Bandwidth                         | Pass               | -                                         |
| 3.1           | 2.1049              | 99% Occupied Bandwidth                 | Reporting only     | -                                         |
| 3.2           | 15.407(a)           | Maximum Conducted Output Power         | Pass               | -                                         |
| 3.3           | 15.407(a)           | Power Spectral Density                 | Pass               | -                                         |
| 3.4           | 15.407(b)           | Unwanted Emissions                     | Pass               | Under limit<br>1.54 dB at<br>5150.000 MHz |
| 3.5           | 15.207              | AC Conducted Emission                  | Pass               | Under limit<br>3.87 dB at<br>0.157 MHz    |
| 3.6           | 15.407(c)           | Automatically Discontinue Transmission | Pass               | -                                         |
| 3.7           | 15.203<br>15.407(a) | Antenna Requirement                    | Pass               | -                                         |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang**

**Report Producer: Elise Chang**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                       | Phone                                                                                                                                                                               |
| Model Name                      | G020J                                                                                                                                                                               |
| FCC ID                          | A4RG020J                                                                                                                                                                            |
| EUT supports Radios application | CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/NFC/GNSS/WPC<br>WLAN 11b/g/n HT20<br>WLAN 11a/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE<br>60 GHz Low Power Transmitter |
| EUT Stage                       | Identical Prototype                                                                                                                                                                 |

**Remark:** The above EUT's information was declared by manufacturer.

| EUT Information List |            |
|----------------------|------------|
| No.                  | S/N        |
| #1                   | 94NBA009QB |
| #2                   | 957BA00AEY |
| #3                   | 957BA00AGL |

## 1.2 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tx/Rx Frequency Range</b>            | 5180 MHz ~ 5240 MHz<br>5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5720 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Maximum Output Power to Antenna</b>  | <p><b>&lt;Ant. 4&gt;</b></p> <p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b></p> 802.11a : 18.10 dBm / 0.0646 W<br>802.11n HT20 : 18.40 dBm / 0.0692 W<br>802.11n HT40 : 19.30 dBm / 0.0851 W<br>802.11 ac VHT20: 18.30 dBm / 0.0676 W<br>802.11 ac VHT40: 19.20 dBm / 0.0832 W<br>802.11 ac VHT80: 14.00 dBm / 0.0251 W<br><p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b></p> 802.11a : 18.30 dBm / 0.0676 W<br>802.11n HT20 : 18.70 dBm / 0.0741 W<br>802.11n HT40 : 20.50 dBm / 0.1122 W<br>802.11 ac VHT20: 18.60 dBm / 0.0724 W<br>802.11 ac VHT40: 20.40 dBm / 0.1096 W<br>802.11 ac VHT80: 16.60 dBm / 0.0457 W<br><p><b>&lt;5500 MHz ~ 5720 MHz &gt;</b></p> 802.11a : 18.40 dBm / 0.0692 W<br>802.11n HT20 : 18.50 dBm / 0.0708 W<br>802.11n HT40 : 20.70 dBm / 0.1175 W<br>802.11 ac VHT20: 18.40 dBm / 0.0692 W<br>802.11 ac VHT40: 20.60 dBm / 0.1148 W<br>802.11 ac VHT80: 20.50 dBm / 0.1122 W<br><p><b>&lt;Ant. 5&gt;</b></p> <p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b></p> 802.11a : 18.60 dBm / 0.0724 W<br>802.11n HT20 : 18.80 dBm / 0.0759 W<br>802.11n HT40 : 19.60 dBm / 0.0912 W<br>802.11 ac VHT20: 18.70 dBm / 0.0741 W<br>802.11 ac VHT40: 19.50 dBm / 0.0891 W<br>802.11 ac VHT80: 14.20 dBm / 0.0263 W<br><p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b></p> 802.11a : 18.50 dBm / 0.0708 W<br>802.11n HT20 : 18.60 dBm / 0.0724 W<br>802.11n HT40 : 20.60 dBm / 0.1148 W<br>802.11 ac VHT20: 18.50 dBm / 0.0708 W<br>802.11 ac VHT40: 20.50 dBm / 0.1122 W<br>802.11 ac VHT80: 16.50 dBm / 0.0447 W<br><p><b>&lt;5500 MHz ~ 5700 MHz &gt;</b></p> 802.11a : 18.50 dBm / 0.0708 W<br>802.11n HT20 : 18.80 dBm / 0.0759 W<br>802.11n HT40 : 20.60 dBm / 0.1148 W<br>802.11 ac VHT20: 18.70 dBm / 0.0741 W<br>802.11 ac VHT40: 20.50 dBm / 0.1122 W<br>802.11 ac VHT80: 20.70 dBm / 0.1175 W |

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Output Power to Antenna</b>  | <p><b>MIMO &lt;Ant. 4+5&gt;</b><br/> <b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br/> 802.11a : 21.67 dBm / 0.1469 W<br/> 802.11n HT20 : 21.86 dBm / 0.1535 W<br/> 802.11n HT40 : 22.76 dBm / 0.1888 W<br/> 802.11 ac VHT20: 21.77 dBm / 0.1503 W<br/> 802.11 ac VHT40: 22.66 dBm / 0.1845 W<br/> 802.11 ac VHT80: 17.47 dBm / 0.0558 W<br/> <b>&lt;5260 MHz ~ 5320 MHz&gt;</b><br/> 802.11a : 21.61 dBm / 0.1449 W<br/> 802.11n HT20 : 21.86 dBm / 0.1535 W<br/> 802.11n HT40 : 23.66 dBm / 0.2323 W<br/> 802.11 ac VHT20: 21.76 dBm / 0.1500 W<br/> 802.11 ac VHT40: 23.56 dBm / 0.2270 W<br/> 802.11 ac VHT80: 19.71 dBm / 0.0935 W<br/> <b>&lt;5500 MHz ~ 5700 MHz &gt;</b><br/> 802.11a : 21.66 dBm / 0.1466 W<br/> 802.11n HT20 : 21.81 dBm / 0.1517 W<br/> 802.11n HT40 : 23.76 dBm / 0.2377 W<br/> 802.11 ac VHT20: 21.71 dBm / 0.1483 W<br/> 802.11 ac VHT40: 23.66 dBm / 0.2323 W<br/> 802.11 ac VHT80: 23.81 dBm / 0.2404 W</p> |
| <b>99% Occupied Bandwidth</b>           | <p><b>MIMO &lt;Ant. 4&gt;</b><br/> 802.11a : 16.70 MHz<br/> 802.11n HT20 : 18.00 MHz<br/> 802.11n HT40 : 37.60 MHz<br/> 802.11 ac VHT80 : 77.76 MHz<br/> <b>MIMO &lt;Ant. 5&gt;</b><br/> 802.11a : 16.75 MHz<br/> 802.11n HT20 : 17.95 MHz<br/> 802.11n HT40 : 42.00 MHz<br/> 802.11 ac VHT80 : 78.72 MHz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Antenna Gain / Gain</b>              | <p><b>&lt;5150 MHz ~ 5250 MHz&gt;</b><br/> &lt;Ant. 4&gt; : IFA Antenna with gain -7.1 dBi<br/> &lt;Ant. 5&gt; : ILA Antenna with gain -1.5 dBi<br/> <b>&lt;5250 MHz ~ 5350 MHz&gt;</b><br/> &lt;Ant. 4&gt; : IFA Antenna with gain -7.1 dBi<br/> &lt;Ant. 5&gt; : ILA Antenna with gain -1.5 dBi<br/> <b>&lt;5470 MHz ~ 5725 MHz&gt;</b><br/> &lt;Ant. 4&gt; : IFA Antenna with gain 0.0 dBi<br/> &lt;Ant. 5&gt; : ILA Antenna with gain -0.5 dBi</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Standards-related Product Specification |                                                                                                         |        |        |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------|--------|--------|
| Type of Modulation                      | 802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) |        |        |
| Antenna Function Description            |                                                                                                         | Ant. 4 | Ant. 5 |
|                                         | 802.11 a/n/ac                                                                                           | V      | V      |
|                                         | 802.11 a/n/ac<br>MIMO                                                                                   | V      | V      |

**Remark:** MIMO Ant. 4+5 is a calculated result from sum of the power MIMO Ant. 4 and MIMO Ant. 5.

### 1.3 Modification of EUT

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

### 1.4 Testing Location

|                    |                                                                                                                       |         |          |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|---------|----------|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                   |         |          |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |         |          |
| Test Site No.      | Sporton Site No.                                                                                                      |         |          |
|                    | TH05-HY                                                                                                               | CO05-HY | DFS02-HY |

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

|                    |                                                                                                                                           |  |  |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                                       |  |  |
| 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.                                                                                                                          |  |  |
|                    | 03CH13-HY                                                                                                                                 |  |  |

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

FCC designation No.: TW1190 and TW0007



## **1.5 Applicable Standards**

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

**Remark:**

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

## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

| Frequency Band                       | Channel         | Freq. (MHz) | Channel | Freq. (MHz) |
|--------------------------------------|-----------------|-------------|---------|-------------|
| 5150-5250 MHz<br>Band 1<br>(U-NII-1) | 36              | 5180        | 44      | 5220        |
|                                      | 38*             | 5190        | 46*     | 5230        |
|                                      | 40              | 5200        | 48      | 5240        |
|                                      | 42 <sup>#</sup> | 5210        |         |             |

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

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

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

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

**Note:**

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

## 2.2 Test Mode

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

**MIMO Mode**

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

| Test Cases                                                                                                                                                                                                                               |                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                                                                                                                                                                             | Mode 1 : WLAN (5GHz) Link + Bluetooth Link + USB Cable (Type C) (Charging from AC Adapter 1) |
|                                                                                                                                                                                                                                          | Mode 2 : WLAN (5GHz) Link + Bluetooth Link + Earphone (Type C) + Wireless Charging           |
| <b>Remark:</b> <ol style="list-style-type: none"> <li>1. The worst case of conducted emission is mode 2; only the test data of it was reported.</li> <li>2. For Radiated Test Cases, the tests were performed with Adapter 1.</li> </ol> |                                                                                              |



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

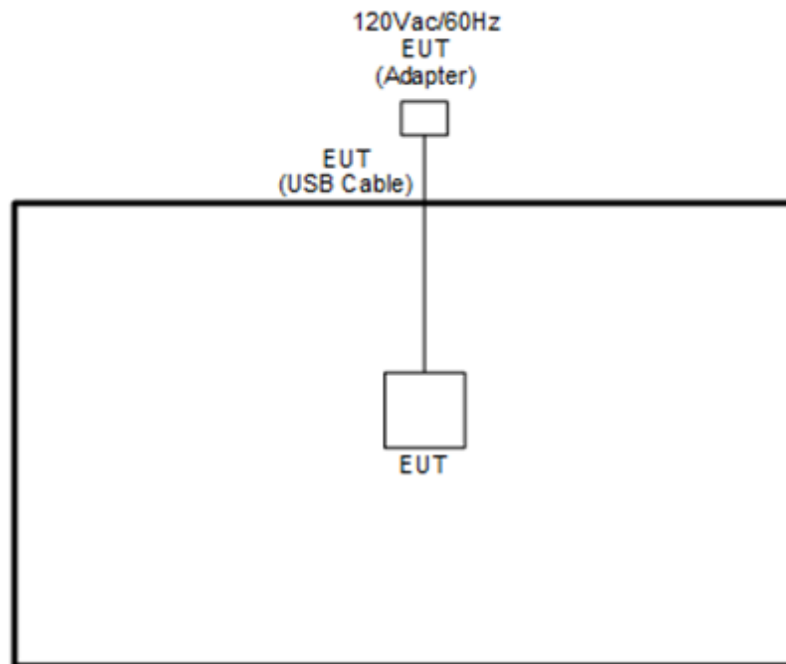
| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11n HT20           | 802.11n HT20            | 802.11n HT20            |
| L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

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

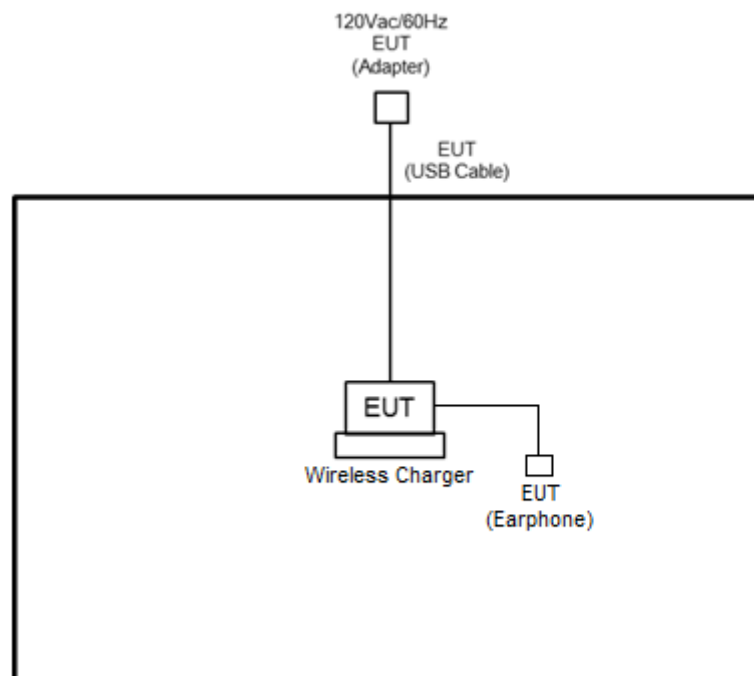
| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ac VHT80         | 802.11ac VHT80          | 802.11ac VHT80          |
| L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

## 2.3 Connection Diagram of Test System

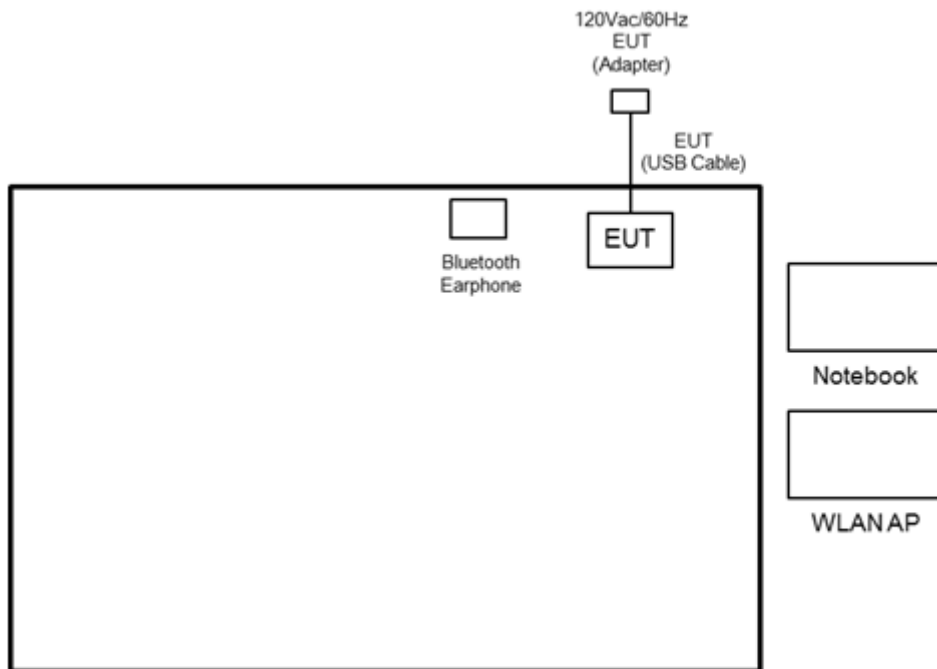
<WLAN Tx Mode>



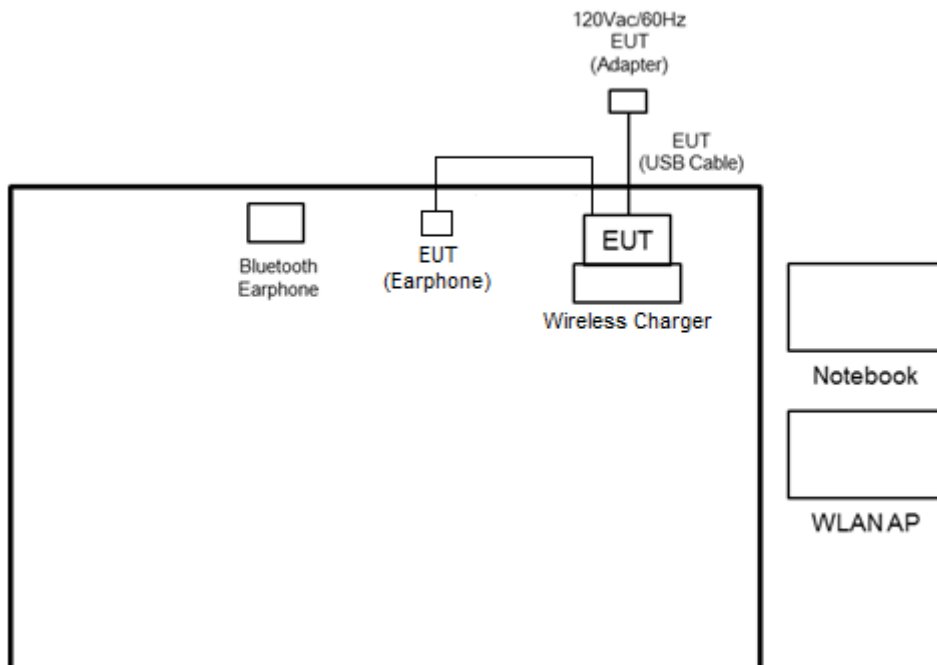
<WLAN Tx with WPC Charging Mode>



<AC Conducted Emissions Mode>



<AC Conducted Emissions with WPC Charging Mode>



## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Trade Name | Model Name     | FCC ID                                       | Data Cable | Power Cord                                                 |
|------|--------------------|------------|----------------|----------------------------------------------|------------|------------------------------------------------------------|
| 1.   | WLAN AP            | ASUS       | RT-AC66U       | MSQ-RTAC66U                                  | N/A        | Unshielded, 1.8 m                                          |
| 2.   | Notebook           | DELL       | Latitude E6320 | FCC DoC/<br>Contains FCC ID:<br>QDS-BRCM1054 | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 3.   | Bluetooth Earphone | Google     | G015B          | SZGG015B                                     | N/A        | N/A                                                        |
| 4.   | Wireless charger   | Google     | G019C          | 2APYSG019C                                   | N/A        | Unshielded, 1.95m                                          |

## 2.5 EUT Operation Test Setup

The RF test items, utility "QRCT version : 3.0.271.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

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

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

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

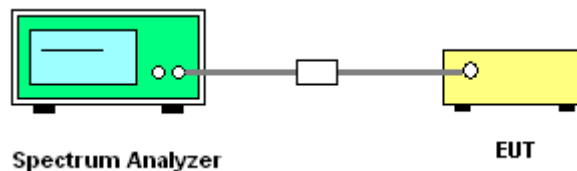
##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

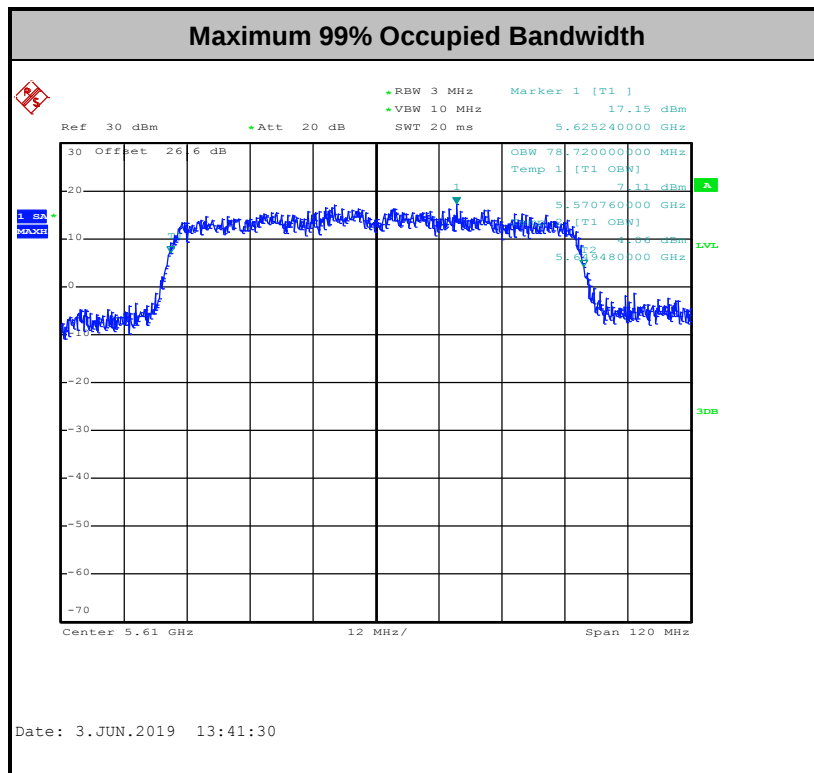
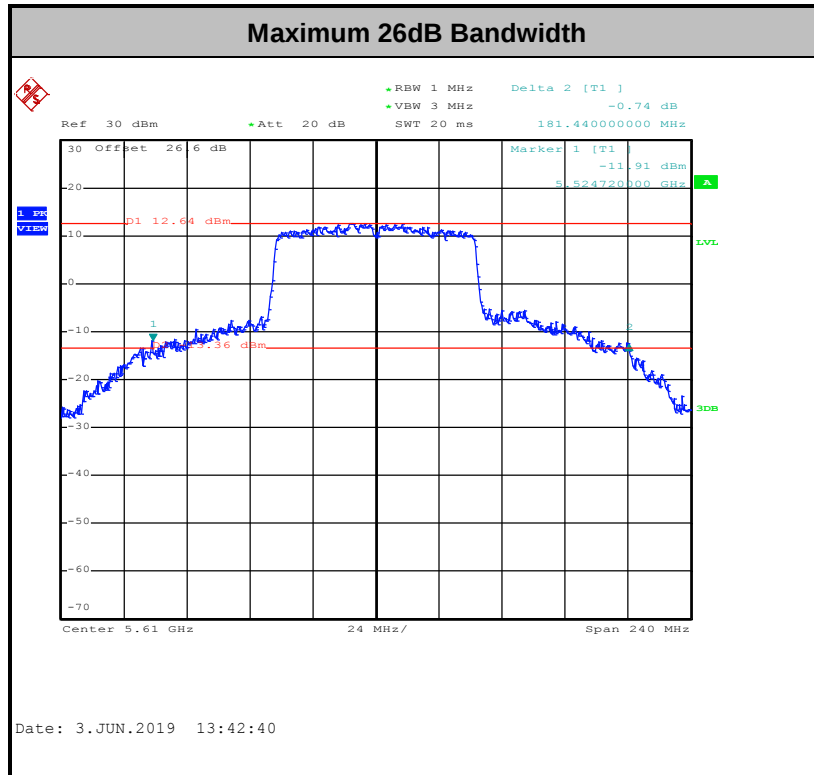
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

##### 3.1.4 Test Setup



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

Please refer to Appendix A.



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

## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

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

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

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

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

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

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

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

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

### 3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.2.3 Test Procedures

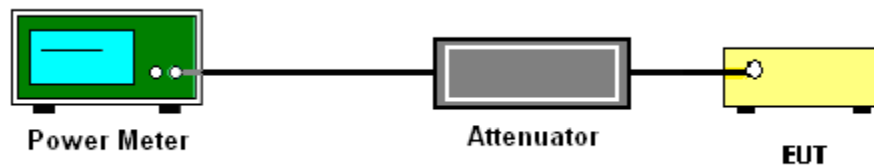
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



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

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

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

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

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

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

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

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

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

#### **3.3.2 Measuring Instruments**

See list of measuring equipment of this test report.

### 3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

#### # Method SA-2 #

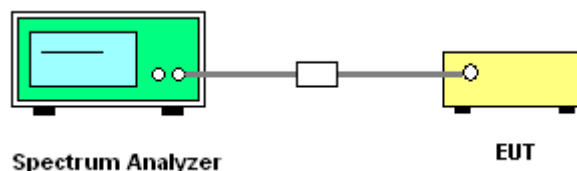
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging mode.
  - Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
  2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
  3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

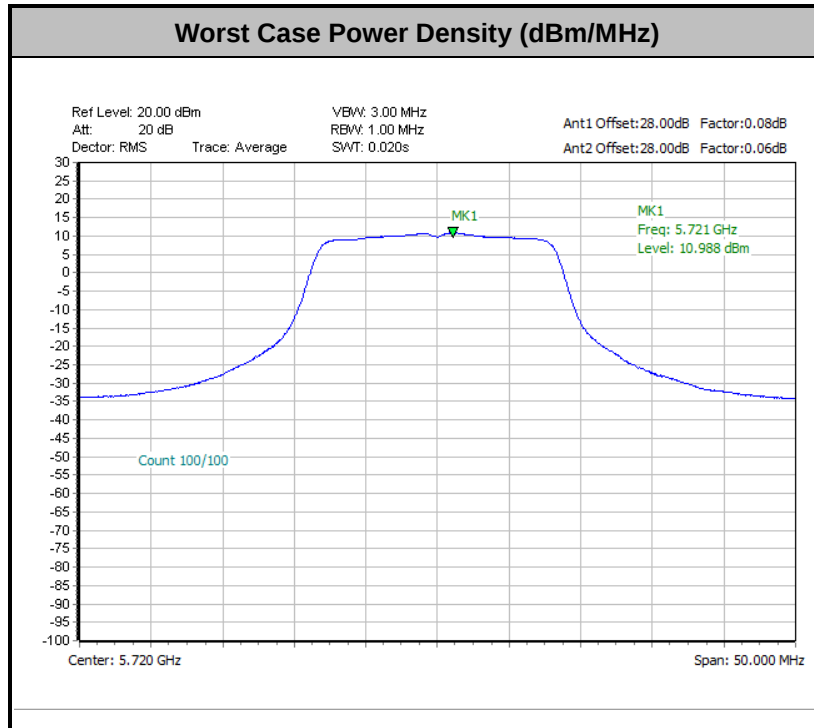
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



### 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.

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

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

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

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

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

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

### 3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

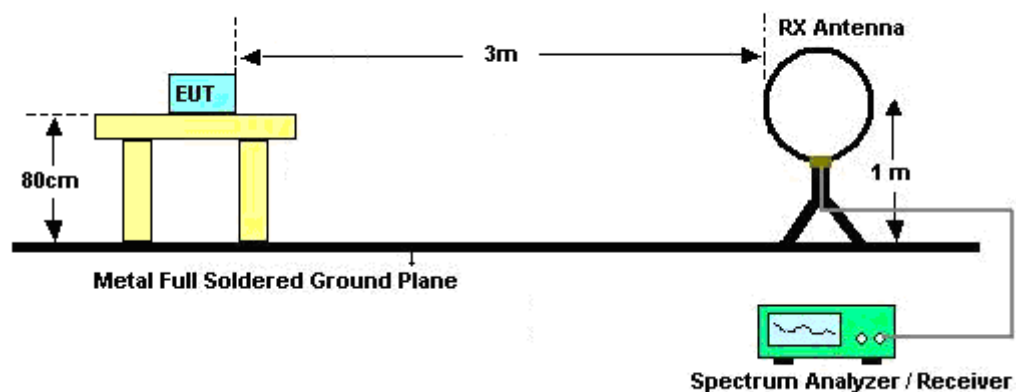
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

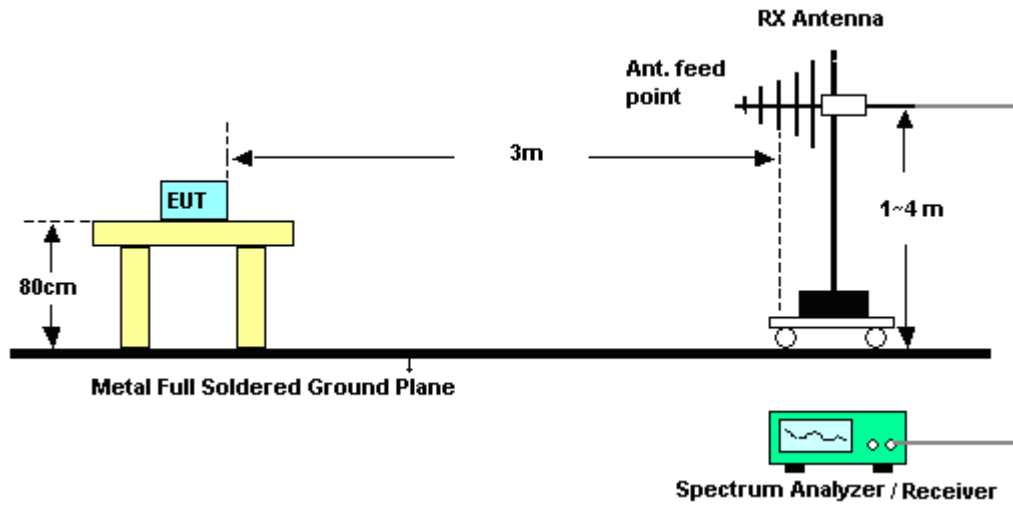
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

### 3.4.4 Test Setup

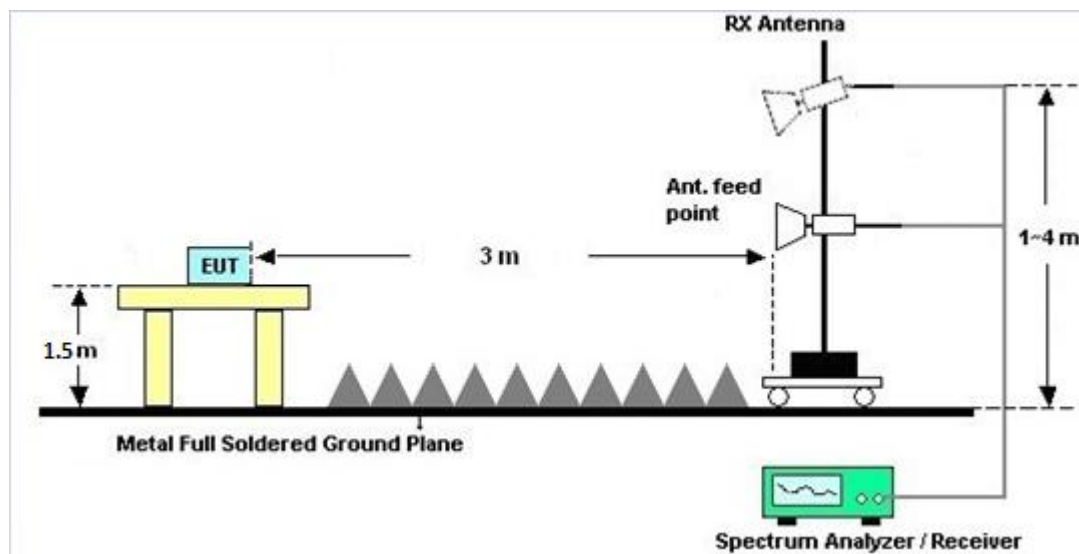
**For radiated emissions below 30MHz**



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

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

Please refer to Appendix C and D.

**3.4.7 Duty Cycle**

Please refer to Appendix E.

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

Please refer to Appendix C and D.

### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

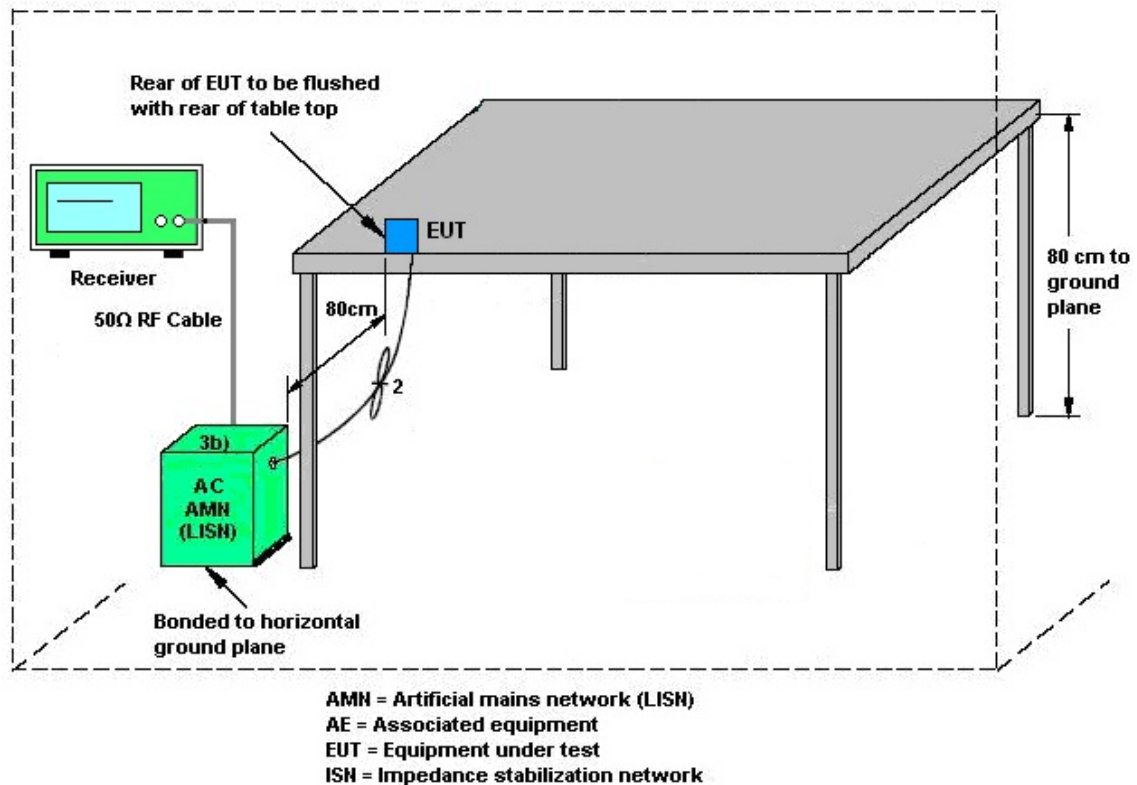
#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

## 3.6 Automatically Discontinue Transmission

### 3.6.1 Limit of Automatically Discontinue Transmission

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

### 3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.6.3 Test Result of Automatically Discontinue Transmission

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

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

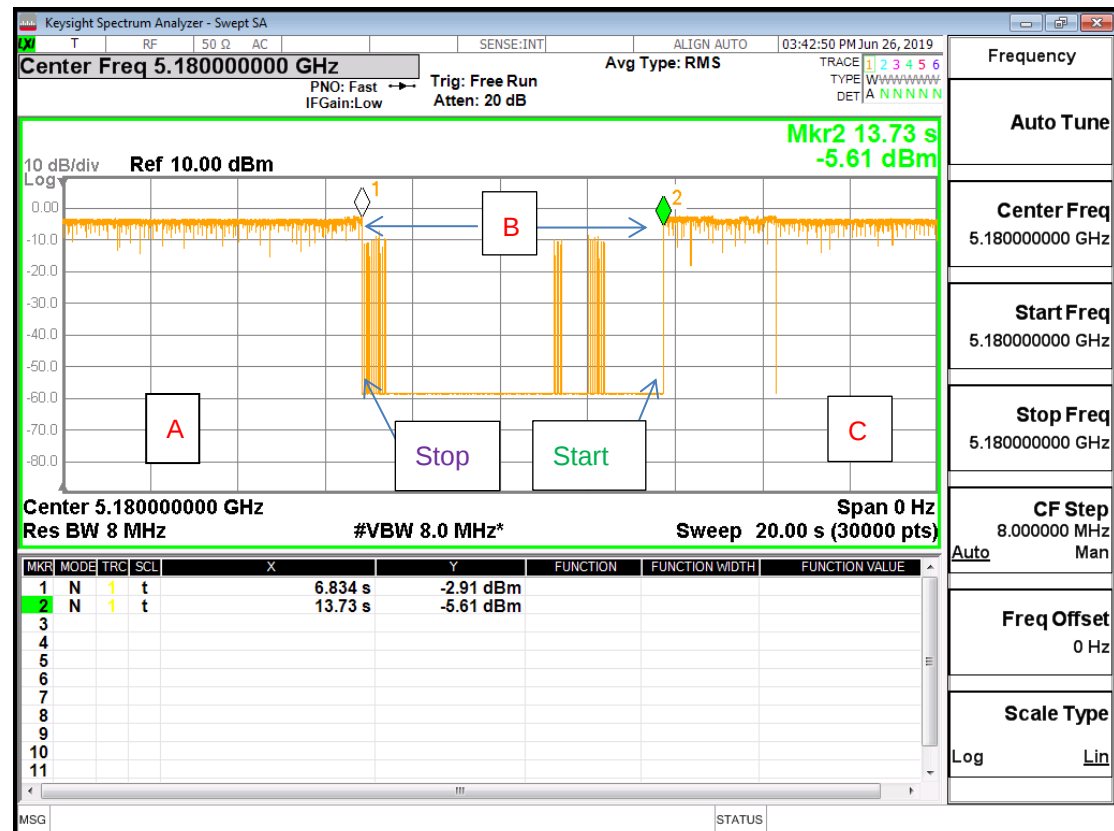
While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

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

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



5180MHz



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

### 3.7 Antenna Requirements

#### 3.7.1 Standard Applicable

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

#### 3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

#### 3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain =  $10 \log(\text{NANT}/\text{NSS}=1)$  dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

| <CDD Modes> |                 |                 |                             |                           |                                     |                                   |
|-------------|-----------------|-----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------------------|
|             |                 |                 | DG<br>for<br>Power<br>(dBi) | DG<br>for<br>PSD<br>(dBi) | Power<br>Limit<br>Reduction<br>(dB) | PSD<br>Limit<br>Reduction<br>(dB) |
|             | Ant. 4<br>(dBi) | Ant. 5<br>(dBi) |                             |                           |                                     |                                   |
| Band I      | -7.10           | -1.50           | -1.50                       | -0.85                     | 0.00                                | 0.00                              |
| Band II     | -7.10           | -1.50           | -1.50                       | -0.85                     | 0.00                                | 0.00                              |
| Band III    | 0.00            | -0.50           | 0.00                        | 2.76                      | 0.00                                | 0.00                              |

*Power limit reduction = Composite gain – 6dBi, ( min = 0 )*

*PSD limit reduction = Composite gain + PSD Array gain – 6dBi, ( min = 0 )*



## 4 List of Measuring Equipment

| Instrument           | Manufacturer      | Model No.                            | Serial No.      | Characteristics                     | Calibration Date | Test Date                      | Due Date      | Remark                   |
|----------------------|-------------------|--------------------------------------|-----------------|-------------------------------------|------------------|--------------------------------|---------------|--------------------------|
| Loop Antenna         | Rohde & Schwarz   | HFH2-Z2                              | 100488          | 9 kHz~30 MHz                        | Jan. 07, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Jan. 06, 2020 | Radiation<br>(03CH13-HY) |
| Horn Antenna         | SCHWARZBECK       | BBHA 9120 D                          | 9120D-124<br>1  | 1GHz ~ 18GHz                        | Jun. 29, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Jun. 28, 2019 | Radiation<br>(03CH13-HY) |
| Bilog Antenna        | TESEQ             | CBL<br>6111D&00800<br>N1D01N-06      | 37059&01        | 30MHz~1GHz                          | Oct. 13, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Oct. 12, 2019 | Radiation<br>(03CH13-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK       | BBHA 9170                            | BBHA9170<br>584 | 18GHz- 40GHz                        | Dec. 05, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Dec. 04, 2019 | Radiation<br>(03CH13-HY) |
| Preamplifier         | Keysight          | 83017A                               | MY532700<br>80  | 1GHz~26.5GHz                        | Nov. 14, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Nov. 13, 2020 | Radiation<br>(03CH13-HY) |
| Preamplifier         | MITEQ             | AMF-7D-0010<br>1800-30-10P           | 1590074         | 1GHz~18GHz                          | May 20, 2019     | May 31, 2019~<br>Jun. 18, 2019 | May 19, 2020  | Radiation<br>(03CH13-HY) |
| Amplifier            | Sonoma-Instrument | 310 N                                | 187282          | 9KHz~1GHz                           | Dec. 18, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Dec. 17, 2019 | Radiation<br>(03CH13-HY) |
| Amplifier            | MITEQ             | TTA1840-35-HG                        | 1871923         | 18GHz~40GHz,<br>VSWR : 2.5:1<br>max | Jul. 16, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Jul. 15, 2019 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>126E                     | 0030/126E       | 30M-18G                             | Feb. 13, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Feb. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>104                      | 804793/4        | 30M-18G                             | Feb. 13, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Feb. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>104                      | MY24961/<br>4   | 30M-18G                             | Feb. 13, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Feb. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>102                      | MY2859/2        | 30M~40GHz                           | Mar. 13, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Mar. 12, 2020 | Radiation<br>(03CH13-HY) |
| RF Cable             | HUBER + SUHNER    | SUCOFLEX<br>102                      | MY4274/2        | 30M~40GHz                           | Mar. 13, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Mar. 12, 2020 | Radiation<br>(03CH13-HY) |
| Spectrum Analyzer    | Keysight          | N9010A                               | MY553705<br>26  | 10Hz~44GHz                          | Mar. 19, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Mar. 18, 2020 | Radiation<br>(03CH13-HY) |
| Antenna Mast         | EMEC              | AM-BS-4500-B                         | N/A             | 1m~4m                               | N/A              | May 31, 2019~<br>Jun. 18, 2019 | N/A           | Radiation<br>(03CH13-HY) |
| Turn Table           | EMEC              | TT2000                               | N/A             | 0~360 Degree                        | N/A              | May 31, 2019~<br>Jun. 18, 2019 | N/A           | Radiation<br>(03CH13-HY) |
| Software             | AUDIX             | E3<br>6.2009-8-24c                   | RK-001124       | N/A                                 | N/A              | May 31, 2019~<br>Jun. 18, 2019 | N/A           | Radiation<br>(03CH13-HY) |
| EMI Test Receiver    | Keysight          | N9038A<br>(MXE)                      | MY541300<br>85  | 20Hz ~ 8.4GHz                       | Nov. 01, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Oct. 31, 2019 | Radiation<br>(03CH13-HY) |
| Filter               | Wainwright        | WHKX12-108<br>0-1200-15000<br>-60ST  | SN3             | 1.2G Low Pass                       | Jul. 05, 2018    | May 31, 2019~<br>Jun. 18, 2019 | Jul. 04, 2019 | Radiation<br>(03CH13-HY) |
| Filter               | Woken             | WHKX8-5272.<br>5-6750-18000<br>-40ST | SN5             | 6.75G Highpass                      | Mar. 13, 2019    | May 31, 2019~<br>Jun. 18, 2019 | Mar. 12, 2020 | Radiation<br>(03CH13-HY) |



| Instrument            | Manufacturer      | Model No.       | Serial No.        | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                  |
|-----------------------|-------------------|-----------------|-------------------|-----------------|------------------|---------------------------------|---------------|-------------------------|
| Power Sensor          | DARE              | RPR3006W        | 13I00030S<br>NO32 | 9kHz~6GHz       | Dec. 03, 2018    | Apr. 06, 2019~<br>Jun. 06, 2019 | Dec. 02, 2019 | Conducted<br>(TH05-HY)  |
| Spectrum Analyzer     | Rohde & Schwarz   | FSP40           | 100057            | 9kHz~40GHz      | Nov. 21, 2018    | Apr. 06, 2019~<br>Jun. 06, 2019 | Nov. 20, 2019 | Conducted<br>(TH05-HY)  |
| Spectrum Analyzer     | Rohde & Schwarz   | FSV 40          | 101397            | 10Hz~40GHz      | Nov. 13, 2018    | Apr. 06, 2019~<br>Jun. 06, 2019 | Nov. 12, 2019 | Conducted<br>(TH05-HY)  |
| Switch Box & RF Cable | Burgeon           | ETF-058         | EC120838<br>2     | N/A             | Mar. 27, 2019    | Apr. 06, 2019~<br>Jun. 06, 2019 | Mar. 26, 2020 | Conducted<br>(TH05-HY)  |
| AC Power Source       | ChainTek          | APC-1000W       | N/A               | N/A             | N/A              | May 23, 2019                    | N/A           | Conduction<br>(CO05-HY) |
| EMI Test Receiver     | Rohde & Schwarz   | ESR3            | 102388            | 9KHz~3.6GHz     | Nov. 12, 2018    | May 23, 2019                    | Nov. 11, 2019 | Conduction<br>(CO05-HY) |
| LISN                  | Rohde & Schwarz   | ENV216          | 100080            | 9kHz~30MHz      | Nov. 14, 2018    | May 23, 2019                    | Nov. 13, 2019 | Conduction<br>(CO05-HY) |
| LISN                  | Rohde & Schwarz   | ENV216          | 100081            | 9kHz~30MHz      | Nov. 09, 2018    | May 23, 2019                    | Nov. 08, 2019 | Conduction<br>(CO05-HY) |
| Software              | Rohde & Schwarz   | EMC32<br>V10.30 | N/A               | N/A             | N/A              | May 23, 2019                    | N/A           | Conduction<br>(CO05-HY) |
| LF Cable              | HUBER +<br>SUHNER | RG-214/U        | LF01              | N/A             | Dec. 31, 2018    | May 23, 2019                    | Dec. 30, 2019 | Conduction<br>(CO05-HY) |
| Pulse Limiter         | Rohde & Schwarz   | ESH3-Z2         | 100851            | N/A             | Dec. 31, 2018    | May 23, 2019                    | Dec. 30, 2019 | Conduction<br>(CO05-HY) |
| Spectrum Analyzer     | Keysight          | N9010A          | MY560704<br>12    | 10Hz~7GHz       | Aug. 16, 2018    | Jun. 26, 2019                   | Aug. 15, 2019 | DFS<br>(DFS02-HY)       |



## 5 Uncertainty of Evaluation

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.2 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.9 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.4 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.3 |
|-------------------------------------------------------------------------|-----|

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

|                |                                  |                    |       |    |
|----------------|----------------------------------|--------------------|-------|----|
| Test Engineer: | Nick Yu / Rebecca Li / Luffy Lin | Temperature:       | 21~25 | °C |
| Test Date:     | 2019/4/6~2019/6/6                | Relative Humidity: | 51~54 | %  |

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

| Band I |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |      |
|--------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.   | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|        |           |     |     |             | Ant 4               | Ant 5 | Ant 4                 | Ant 5 | Ant 4                              | Ant 5 | Ant 4                             | Ant 5 |      |
| 11a    | 6Mbps     | 2   | 36  | 5180        | 16.65               | 16.65 | 23.40                 | 25.70 | -                                  | -     | 22.21                             | 22.21 |      |
| 11a    | 6Mbps     | 2   | 44  | 5220        | 16.65               | 16.75 | 24.60                 | 27.25 | -                                  | -     | 22.21                             | 22.21 |      |
| 11a    | 6Mbps     | 2   | 48  | 5240        | 16.65               | 16.70 | 25.00                 | 26.70 | -                                  | -     | 22.21                             | 22.21 |      |
| HT20   | MCS0      | 2   | 36  | 5180        | 17.85               | 17.95 | 25.55                 | 29.45 | -                                  | -     | 22.52                             | 22.52 |      |
| HT20   | MCS0      | 2   | 44  | 5220        | 17.90               | 17.85 | 25.70                 | 26.65 | -                                  | -     | 22.52                             | 22.52 |      |
| HT20   | MCS0      | 2   | 48  | 5240        | 18.00               | 17.90 | 26.70                 | 29.55 | -                                  | -     | 22.53                             | 22.53 |      |
| HT40   | MCS0      | 2   | 38  | 5190        | 36.60               | 36.60 | 41.58                 | 41.58 | -                                  | -     | 23.01                             | 23.01 |      |
| HT40   | MCS0      | 2   | 46  | 5230        | 37.00               | 37.30 | 54.18                 | 71.73 | -                                  | -     | 23.01                             | 23.01 |      |
| VHT80  | MCS0      | 2   | 42  | 5210        | 76.92               | 77.16 | 82.56                 | 82.24 | -                                  | -     | 23.01                             | 23.01 |      |

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

| FCC Band I |           |     |     |             |                               |       |       |                                 |       |          |       |  |           |
|------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|--|-----------|
| Mod.       | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       |  | Pass/Fail |
|            |           |     |     |             | Ant 4                         | Ant 5 | SUM   | Ant 4                           | Ant 5 | Ant 4    | Ant 5 |  |           |
| 11a        | 6Mbps     | 1   | 36  | 5180        | 18.00                         | 18.50 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 18.10                         | 18.60 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 18.10                         | 18.50 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| HT20       | MCS0      | 1   | 36  | 5180        | 18.40                         | 18.80 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| HT20       | MCS0      | 1   | 44  | 5220        | 18.10                         | 18.40 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| HT20       | MCS0      | 1   | 48  | 5240        | 18.40                         | 18.80 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| HT40       | MCS0      | 1   | 38  | 5190        | 15.20                         | 15.10 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| HT40       | MCS0      | 1   | 46  | 5230        | 19.30                         | 19.60 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| VHT20      | MCS0      | 1   | 36  | 5180        | 18.30                         | 18.70 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| VHT20      | MCS0      | 1   | 44  | 5220        | 18.00                         | 18.30 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| VHT20      | MCS0      | 1   | 48  | 5240        | 18.30                         | 18.70 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| VHT40      | MCS0      | 1   | 38  | 5190        | 15.10                         | 15.00 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| VHT40      | MCS0      | 1   | 46  | 5230        | 19.20                         | 19.50 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| VHT80      | MCS0      | 1   | 42  | 5210        | 14.00                         | 14.20 |       | 24.00                           | 24.00 | -7.10    | -1.50 |  | Pass      |
| 11a        | 6Mbps     | 2   | 36  | 5180        | 18.30                         | 18.80 | 21.57 | 24.00                           |       | -1.50    |       |  | Pass      |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 18.40                         | 18.90 | 21.67 | 24.00                           |       | -1.50    |       |  | Pass      |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 18.40                         | 18.70 | 21.56 | 24.00                           |       | -1.50    |       |  | Pass      |
| HT20       | MCS0      | 2   | 36  | 5180        | 18.60                         | 19.00 | 21.81 | 24.00                           |       | -1.50    |       |  | Pass      |
| HT20       | MCS0      | 2   | 44  | 5220        | 18.30                         | 18.70 | 21.51 | 24.00                           |       | -1.50    |       |  | Pass      |
| HT20       | MCS0      | 2   | 48  | 5240        | 18.70                         | 19.00 | 21.86 | 24.00                           |       | -1.50    |       |  | Pass      |
| HT40       | MCS0      | 2   | 38  | 5190        | 15.30                         | 15.50 | 18.41 | 24.00                           |       | -1.50    |       |  | Pass      |
| HT40       | MCS0      | 2   | 46  | 5230        | 19.60                         | 19.90 | 22.76 | 24.00                           |       | -1.50    |       |  | Pass      |
| VHT20      | MCS0      | 2   | 36  | 5180        | 18.50                         | 19.00 | 21.77 | 24.00                           |       | -1.50    |       |  | Pass      |
| VHT20      | MCS0      | 2   | 44  | 5220        | 18.20                         | 18.60 | 21.41 | 24.00                           |       | -1.50    |       |  | Pass      |
| VHT20      | MCS0      | 2   | 48  | 5240        | 18.60                         | 18.90 | 21.76 | 24.00                           |       | -1.50    |       |  | Pass      |
| VHT40      | MCS0      | 2   | 38  | 5190        | 15.20                         | 15.50 | 18.36 | 24.00                           |       | -1.50    |       |  | Pass      |
| VHT40      | MCS0      | 2   | 46  | 5230        | 19.50                         | 19.80 | 22.66 | 24.00                           |       | -1.50    |       |  | Pass      |
| VHT80      | MCS0      | 2   | 42  | 5210        | 14.20                         | 14.70 | 17.47 | 24.00                           |       | -1.50    |       |  | Pass      |

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

| FCC Band I |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |  |            |
|------------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|--|------------|
| Mod.       | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       |  | Pass /Fail |
|            |           |     |     |             | Ant 4            | Ant 5 | Ant 4                           | Ant 5 | SUM   | Ant 4                       | Ant 5 | Ant 4    | Ant 5 |  |            |
| 11a        | 6Mbps     | 2   | 36  | 5180        | 0.08             | 0.06  |                                 |       | 10.81 | 11.00                       |       | -0.85    |       |  | Pass       |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 0.08             | 0.06  |                                 |       | 10.94 | 11.00                       |       | -0.85    |       |  | Pass       |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 0.08             | 0.06  |                                 |       | 10.85 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT20       | MCS0      | 2   | 36  | 5180        | 0.09             | 0.09  |                                 |       | 10.95 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT20       | MCS0      | 2   | 44  | 5220        | 0.09             | 0.09  |                                 |       | 10.61 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT20       | MCS0      | 2   | 48  | 5240        | 0.09             | 0.09  |                                 |       | 10.91 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT40       | MCS0      | 2   | 38  | 5190        | 0.16             | 0.16  |                                 |       | 4.08  | 11.00                       |       | -0.85    |       |  | Pass       |
| HT40       | MCS0      | 2   | 46  | 5230        | 0.16             | 0.16  |                                 |       | 8.86  | 11.00                       |       | -0.85    |       |  | Pass       |
| VHT80      | MCS0      | 2   | 42  | 5210        | 0.32             | 0.32  |                                 |       | -0.34 | 11.00                       |       | -0.85    |       |  | Pass       |

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

| Band II |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |                                      |       |      |
|---------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.    | Data Rate | NTx | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|         |           |     |     |             | Ant 4               | Ant 5 | Ant 4                 | Ant 5 | Ant 4                              | Ant 5 | Ant 4                             | Ant 5 | Ant 4                                | Ant 5 |      |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 16.65               | 16.70 | 24.00                 | 27.20 | 23.21                              |       | 29.21                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 16.70               | 16.70 | 24.35                 | 25.00 | 23.23                              |       | 29.23                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 16.70               | 16.65 | 23.30                 | 24.40 | 23.21                              |       | 29.21                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 52  | 5260        | 17.85               | 17.90 | 25.25                 | 28.35 | 23.52                              |       | 29.52                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 60  | 5300        | 17.85               | 17.85 | 25.80                 | 25.40 | 23.52                              |       | 29.52                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 64  | 5320        | 17.90               | 17.90 | 24.95                 | 25.50 | 23.53                              |       | 29.53                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 54  | 5270        | 37.00               | 42.00 | 62.16                 | 83.40 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 62  | 5310        | 36.60               | 36.60 | 41.58                 | 41.76 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80   | MCS0      | 2   | 58  | 5290        | 76.80               | 76.92 | 83.20                 | 82.56 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| FCC Band II |           |     |     |             |                               |       |       |                                 |       |          |       |                        |           |
|-------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|             |           |     |     |             | Ant 4                         | Ant 5 | SUM   | Ant 4                           | Ant 5 | Ant 4    | Ant 5 |                        |           |
| 11a         | 6Mbps     | 1   | 52  | 5260        | 18.20                         | 18.50 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| 11a         | 6Mbps     | 1   | 60  | 5300        | 18.20                         | 18.00 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| 11a         | 6Mbps     | 1   | 64  | 5320        | 18.30                         | 18.30 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| HT20        | MCS0      | 1   | 52  | 5260        | 18.10                         | 18.30 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| HT20        | MCS0      | 1   | 60  | 5300        | 18.70                         | 18.50 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| HT20        | MCS0      | 1   | 64  | 5320        | 18.70                         | 18.60 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| HT40        | MCS0      | 1   | 54  | 5270        | 20.50                         | 20.60 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| HT40        | MCS0      | 1   | 62  | 5310        | 16.90                         | 16.50 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| VHT20       | MCS0      | 1   | 52  | 5260        | 18.00                         | 18.20 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| VHT20       | MCS0      | 1   | 60  | 5300        | 18.60                         | 18.40 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| VHT20       | MCS0      | 1   | 64  | 5320        | 18.60                         | 18.50 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| VHT40       | MCS0      | 1   | 54  | 5270        | 20.40                         | 20.50 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| VHT40       | MCS0      | 1   | 62  | 5310        | 16.80                         | 16.40 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| VHT80       | MCS0      | 1   | 58  | 5290        | 16.60                         | 16.50 |       | 23.98                           | 23.98 | -7.10    | -1.50 | 30                     | Pass      |
| 11a         | 6Mbps     | 2   | 52  | 5260        | 18.50                         | 18.70 | 21.61 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| 11a         | 6Mbps     | 2   | 60  | 5300        | 18.50                         | 18.50 | 21.51 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| 11a         | 6Mbps     | 2   | 64  | 5320        | 18.60                         | 18.50 | 21.56 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| HT20        | MCS0      | 2   | 52  | 5260        | 18.20                         | 18.50 | 21.36 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| HT20        | MCS0      | 2   | 60  | 5300        | 18.80                         | 18.70 | 21.76 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| HT20        | MCS0      | 2   | 64  | 5320        | 18.90                         | 18.80 | 21.86 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| HT40        | MCS0      | 2   | 54  | 5270        | 20.60                         | 20.70 | 23.66 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| HT40        | MCS0      | 2   | 62  | 5310        | 17.00                         | 16.80 | 19.91 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| VHT20       | MCS0      | 2   | 52  | 5260        | 18.10                         | 18.40 | 21.26 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| VHT20       | MCS0      | 2   | 60  | 5300        | 18.70                         | 18.60 | 21.66 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| VHT20       | MCS0      | 2   | 64  | 5320        | 18.80                         | 18.70 | 21.76 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| VHT40       | MCS0      | 2   | 54  | 5270        | 20.50                         | 20.60 | 23.56 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| VHT40       | MCS0      | 2   | 62  | 5310        | 16.90                         | 16.70 | 19.81 | 23.98                           |       | -1.50    |       | 30                     | Pass      |
| VHT80       | MCS0      | 2   | 58  | 5290        | 16.90                         | 16.50 | 19.71 | 23.98                           |       | -1.50    |       | 30                     | Pass      |

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

| Band II |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |  |            |
|---------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|--|------------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       |  | Pass /Fail |
|         |           |     |     |             | Ant 4            | Ant 5 | Ant 4                           | Ant 5 | SUM   | Ant 4                       | Ant 5 | Ant 4    | Ant 5 |  |            |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 0.08             | 0.06  |                                 |       | 10.82 | 11.00                       |       | -0.85    |       |  | Pass       |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 0.08             | 0.06  |                                 |       | 10.68 | 11.00                       |       | -0.85    |       |  | Pass       |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 0.08             | 0.06  |                                 |       | 10.60 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT20    | MCS0      | 2   | 52  | 5260        | 0.09             | 0.09  |                                 |       | 10.46 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT20    | MCS0      | 2   | 60  | 5300        | 0.09             | 0.09  |                                 |       | 10.73 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT20    | MCS0      | 2   | 64  | 5320        | 0.09             | 0.09  |                                 |       | 10.83 | 11.00                       |       | -0.85    |       |  | Pass       |
| HT40    | MCS0      | 2   | 54  | 5270        | 0.16             | 0.16  |                                 |       | 9.62  | 11.00                       |       | -0.85    |       |  | Pass       |
| HT40    | MCS0      | 2   | 62  | 5310        | 0.16             | 0.16  |                                 |       | 5.62  | 11.00                       |       | -0.85    |       |  | Pass       |
| VHT80   | MCS0      | 2   | 58  | 5290        | 0.32             | 0.32  |                                 |       | 2.32  | 11.00                       |       | -0.85    |       |  | Pass       |

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

| Band III |           |     |     |             |                                 |       |                                   |        |                                    |       |                                   |       |                                      |       |                                           |       |
|----------|-----------|-----|-----|-------------|---------------------------------|-------|-----------------------------------|--------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|-------------------------------------------|-------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | 99% Bandwidth In U-NII 2C (MHz) |       | 26 dB Bandwidth In U-NII 2C (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |
|          |           |     |     |             | Ant 4                           | Ant 5 | Ant 4                             | Ant 5  | Ant 4                              | Ant 5 | Ant 4                             | Ant 5 | Ant 4                                | Ant 5 | Ant 4                                     | Ant 5 |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 16.60                           | 16.55 | 23.70                             | 23.05  | 23.19                              |       | 29.19                             |       | 23.98                                |       | ----                                      | ----  |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 16.65                           | 16.60 | 23.40                             | 23.25  | 23.20                              |       | 29.20                             |       | 23.98                                |       | ----                                      | ----  |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 16.65                           | 16.70 | 25.55                             | 28.80  | 23.21                              |       | 29.21                             |       | 23.98                                |       | ----                                      | ----  |
| 11a      | 6Mbps     | 2   | 144 | 5720        | 13.40                           | 13.35 | 19.10                             | 19.20  | 22.25                              |       | 28.25                             |       | 23.81                                |       | 2.55                                      | 2.55  |
| HT20     | MCS0      | 2   | 100 | 5500        | 17.85                           | 17.80 | 24.90                             | 25.50  | 23.50                              |       | 29.50                             |       | 23.98                                |       | ----                                      | ----  |
| HT20     | MCS0      | 2   | 116 | 5580        | 17.75                           | 17.85 | 23.95                             | 25.20  | 23.49                              |       | 29.49                             |       | 23.98                                |       | ----                                      | ----  |
| HT20     | MCS0      | 2   | 140 | 5700        | 17.85                           | 17.90 | 25.25                             | 27.55  | 23.52                              |       | 29.52                             |       | 23.98                                |       | ----                                      | ----  |
| HT20     | MCS0      | 2   | 144 | 5720        | 13.95                           | 14.00 | 18.35                             | 19.90  | 22.45                              |       | 28.45                             |       | 23.64                                |       | 3.35                                      | 2.55  |
| HT40     | MCS0      | 2   | 102 | 5510        | 36.80                           | 36.90 | 52.11                             | 53.10  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HT40     | MCS0      | 2   | 110 | 5550        | 37.20                           | 37.30 | 70.86                             | 71.52  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HT40     | MCS0      | 2   | 134 | 5670        | 37.60                           | 36.50 | 74.40                             | 80.25  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| HT40     | MCS0      | 2   | 142 | 5710        | 37.60                           | 40.70 | 59.40                             | 63.78  | 23.98                              |       | 30.00                             |       | 23.98                                |       | 2.55                                      | 2.5   |
| VHT80    | MCS0      | 2   | 106 | 5530        | 76.56                           | 76.56 | 83.20                             | 82.56  | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| VHT80    | MCS0      | 2   | 122 | 5610        | 77.76                           | 78.72 | 156.72                            | 181.44 | 23.98                              |       | 30.00                             |       | 23.98                                |       | ----                                      | ----  |
| VHT80    | MCS0      | 2   | 138 | 5690        | 74.00                           | 75.44 | 113.88                            | 129.32 | 23.98                              |       | 30.00                             |       | 23.98                                |       | 2.56                                      | 2.44  |

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

| FCC Band III |           |     |     |             |                               |       |       |                                 |       |          |       |                        |           |
|--------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             | Ant 4                         | Ant 5 | SUM   | Ant 4                           | Ant 5 | Ant 4    | Ant 5 |                        |           |
| 11a          | 6Mbps     | 1   | 100 | 5500        | 18.20                         | 18.20 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 116 | 5580        | 17.90                         | 18.00 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 140 | 5700        | 18.40                         | 18.50 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| 11a          | 6Mbps     | 1   | 144 | 5720        | 18.30                         | 18.50 |       | 23.81                           | 23.81 | 0.00     | -0.50 | 30                     | Pass      |
| HT20         | MCS0      | 1   | 100 | 5500        | 18.50                         | 18.80 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| HT20         | MCS0      | 1   | 116 | 5580        | 17.80                         | 18.00 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| HT20         | MCS0      | 1   | 140 | 5700        | 18.30                         | 18.30 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| HT20         | MCS0      | 1   | 144 | 5720        | 18.20                         | 18.40 |       | 23.64                           | 23.64 | 0.00     | -0.50 | 30                     | Pass      |
| HT40         | MCS0      | 1   | 102 | 5510        | 19.50                         | 19.40 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| HT40         | MCS0      | 1   | 110 | 5550        | 20.70                         | 20.50 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| HT40         | MCS0      | 1   | 134 | 5670        | 20.70                         | 20.60 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| HT40         | MCS0      | 1   | 142 | 5710        | 20.60                         | 20.60 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 100 | 5500        | 18.40                         | 18.70 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 116 | 5580        | 17.70                         | 17.90 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 140 | 5700        | 18.20                         | 18.20 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT20        | MCS0      | 1   | 144 | 5720        | 18.10                         | 18.30 |       | 23.64                           | 23.64 | 0.00     | -0.50 | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 102 | 5510        | 19.40                         | 19.30 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 110 | 5550        | 20.60                         | 20.40 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 134 | 5670        | 20.60                         | 20.50 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT40        | MCS0      | 1   | 142 | 5710        | 20.50                         | 20.50 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT80        | MCS0      | 1   | 106 | 5530        | 16.70                         | 16.70 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT80        | MCS0      | 1   | 122 | 5610        | 20.50                         | 20.60 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| VHT80        | MCS0      | 1   | 138 | 5690        | 20.50                         | 20.70 |       | 23.98                           | 23.98 | 0.00     | -0.50 | 30                     | Pass      |
| 11a          | 6Mbps     | 2   | 100 | 5500        | 18.40                         | 18.60 | 21.51 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| 11a          | 6Mbps     | 2   | 116 | 5580        | 18.10                         | 18.40 | 21.26 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| 11a          | 6Mbps     | 2   | 140 | 5700        | 18.50                         | 18.80 | 21.66 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| 11a          | 6Mbps     | 2   | 144 | 5720        | 18.40                         | 18.70 | 21.56 | 23.81                           |       | 0.00     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 100 | 5500        | 18.60                         | 19.00 | 21.81 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 116 | 5580        | 18.20                         | 18.20 | 21.21 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 140 | 5700        | 18.50                         | 18.60 | 21.56 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| HT20         | MCS0      | 2   | 144 | 5720        | 18.30                         | 18.60 | 21.46 | 23.64                           |       | 0.00     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 102 | 5510        | 19.90                         | 19.80 | 22.86 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 110 | 5550        | 20.90                         | 20.60 | 23.76 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 134 | 5670        | 20.80                         | 20.70 | 23.76 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| HT40         | MCS0      | 2   | 142 | 5710        | 20.70                         | 20.70 | 23.71 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 100 | 5500        | 18.50                         | 18.90 | 21.71 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 116 | 5580        | 18.10                         | 18.10 | 21.11 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 140 | 5700        | 18.40                         | 18.50 | 21.46 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT20        | MCS0      | 2   | 144 | 5720        | 18.20                         | 18.50 | 21.36 | 23.64                           |       | 0.00     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 102 | 5510        | 19.80                         | 19.70 | 22.76 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 110 | 5550        | 20.80                         | 20.50 | 23.66 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 134 | 5670        | 20.70                         | 20.60 | 23.66 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT40        | MCS0      | 2   | 142 | 5710        | 20.60                         | 20.60 | 23.61 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT80        | MCS0      | 2   | 106 | 5530        | 16.80                         | 16.80 | 19.81 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT80        | MCS0      | 2   | 122 | 5610        | 20.90                         | 20.70 | 23.81 | 23.98                           |       | 0.00     |       | 30                     | Pass      |
| VHT80        | MCS0      | 2   | 138 | 5690        | 20.60                         | 20.80 | 23.71 | 23.98                           |       | 0.00     |       | 30                     | Pass      |

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

| Band III |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |            |
|----------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|          |           |     |     |             | Ant 4            | Ant 5 | Ant 4                           | Ant 5 | SUM   | Ant 4                       | Ant 5 | Ant 4    | Ant 5 |            |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 0.08             | 0.06  |                                 |       | 10.77 | 11.00                       |       | 2.76     |       | Pass       |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 0.08             | 0.06  |                                 |       | 10.70 | 11.00                       |       | 2.76     |       | Pass       |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 0.08             | 0.06  |                                 |       | 10.87 | 11.00                       |       | 2.76     |       | Pass       |
| 11a      | 6Mbps     | 2   | 144 | 5720        | 0.08             | 0.06  |                                 |       | 10.99 | 11.00                       |       | 2.76     |       | Pass       |
| HT20     | MCS0      | 2   | 100 | 5500        | 0.09             | 0.09  |                                 |       | 10.99 | 11.00                       |       | 2.76     |       | Pass       |
| HT20     | MCS0      | 2   | 116 | 5580        | 0.09             | 0.09  |                                 |       | 10.58 | 11.00                       |       | 2.76     |       | Pass       |
| HT20     | MCS0      | 2   | 140 | 5700        | 0.09             | 0.09  |                                 |       | 10.66 | 11.00                       |       | 2.76     |       | Pass       |
| HT20     | MCS0      | 2   | 144 | 5720        | 0.09             | 0.09  |                                 |       | 10.67 | 11.00                       |       | 2.76     |       | Pass       |
| HT40     | MCS0      | 2   | 102 | 5510        | 0.16             | 0.16  |                                 |       | 8.82  | 11.00                       |       | 2.76     |       | Pass       |
| HT40     | MCS0      | 2   | 110 | 5550        | 0.16             | 0.16  |                                 |       | 9.54  | 11.00                       |       | 2.76     |       | Pass       |
| HT40     | MCS0      | 2   | 134 | 5670        | 0.16             | 0.16  |                                 |       | 9.50  | 11.00                       |       | 2.76     |       | Pass       |
| HT40     | MCS0      | 2   | 142 | 5710        | 0.16             | 0.16  |                                 |       | 9.73  | 11.00                       |       | 2.76     |       | Pass       |
| VHT80    | MCS0      | 2   | 106 | 5530        | 0.32             | 0.32  |                                 |       | 2.30  | 11.00                       |       | 2.76     |       | Pass       |
| VHT80    | MCS0      | 2   | 122 | 5610        | 0.32             | 0.32  |                                 |       | 6.92  | 11.00                       |       | 2.76     |       | Pass       |
| VHT80    | MCS0      | 2   | 138 | 5690        | 0.32             | 0.32  |                                 |       | 6.94  | 11.00                       |       | 2.76     |       | Pass       |



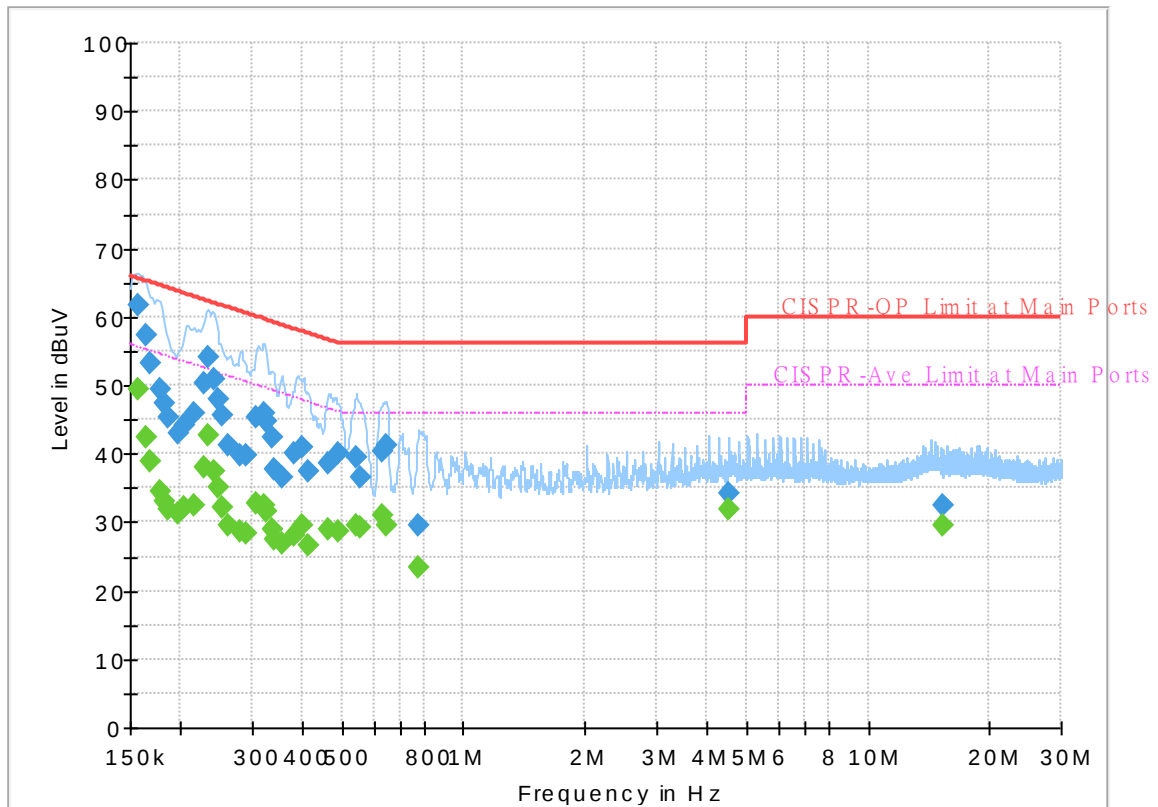
## **Appendix B. AC Conducted Emission Test Results**

|                        |             |                            |        |
|------------------------|-------------|----------------------------|--------|
| <b>Test Engineer :</b> | Jimmy Chang | <b>Temperature :</b>       | 24~26℃ |
|                        |             | <b>Relative Humidity :</b> | 51~54% |

## EUT Information

Report NO : 8N0620-05  
 Test Mode : Mode 2  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



## Final\_Result

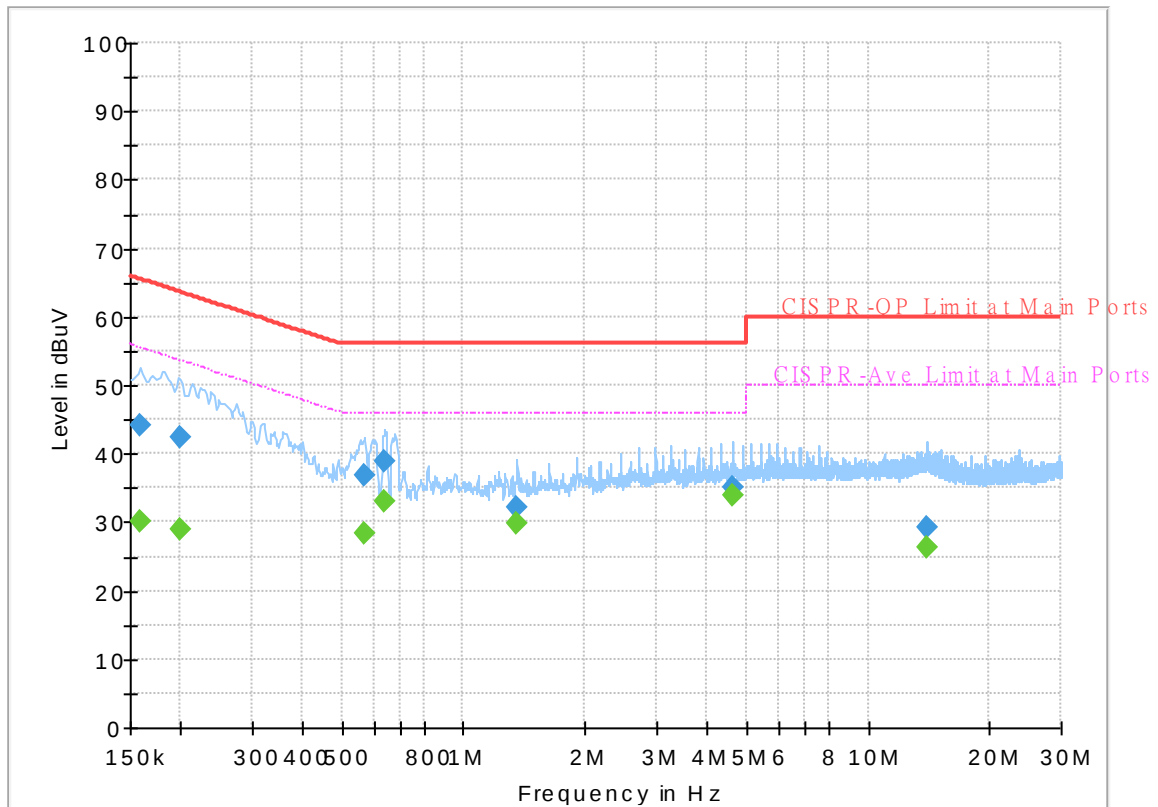
| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.156750        | ---              | 49.31           | 55.63        | 6.32        | L1   | OFF    | 19.5       |
| 0.156750        | 61.76            | ---             | 65.63        | 3.87        | L1   | OFF    | 19.5       |
| 0.163500        | ---              | 42.31           | 55.28        | 12.97       | L1   | OFF    | 19.5       |
| 0.163500        | 57.41            | ---             | 65.28        | 7.87        | L1   | OFF    | 19.5       |
| 0.168000        | ---              | 38.84           | 55.06        | 16.22       | L1   | OFF    | 19.5       |
| 0.168000        | 53.21            | ---             | 65.06        | 11.85       | L1   | OFF    | 19.5       |
| 0.177000        | ---              | 34.47           | 54.63        | 20.16       | L1   | OFF    | 19.5       |
| 0.177000        | 49.51            | ---             | 64.63        | 15.12       | L1   | OFF    | 19.5       |
| 0.181500        | ---              | 33.14           | 54.42        | 21.28       | L1   | OFF    | 19.5       |
| 0.181500        | 47.49            | ---             | 64.42        | 16.93       | L1   | OFF    | 19.5       |
| 0.186000        | ---              | 32.01           | 54.21        | 22.20       | L1   | OFF    | 19.5       |
| 0.186000        | 45.29            | ---             | 64.21        | 18.92       | L1   | OFF    | 19.5       |
| 0.197250        | ---              | 31.22           | 53.73        | 22.51       | L1   | OFF    | 19.5       |
| 0.197250        | 43.10            | ---             | 63.73        | 20.63       | L1   | OFF    | 19.5       |
| 0.204000        | ---              | 32.07           | 53.45        | 21.38       | L1   | OFF    | 19.5       |
| 0.204000        | 44.16            | ---             | 63.45        | 19.29       | L1   | OFF    | 19.5       |
| 0.215250        | ---              | 32.57           | 53.00        | 20.43       | L1   | OFF    | 19.5       |
| 0.215250        | 45.98            | ---             | 63.00        | 17.02       | L1   | OFF    | 19.5       |
| 0.228750        | ---              | 38.14           | 52.50        | 14.36       | L1   | OFF    | 19.5       |
| 0.228750        | 50.40            | ---             | 62.50        | 12.10       | L1   | OFF    | 19.5       |
| 0.233250        | ---              | 42.61           | 52.33        | 9.72        | L1   | OFF    | 19.5       |

|           |       |       |       |       |    |     |      |
|-----------|-------|-------|-------|-------|----|-----|------|
| 0.233250  | 54.13 | ---   | 62.33 | 8.20  | L1 | OFF | 19.5 |
| 0.242250  | ---   | 37.41 | 52.02 | 14.61 | L1 | OFF | 19.5 |
| 0.242250  | 50.84 | ---   | 62.02 | 11.18 | L1 | OFF | 19.5 |
| 0.246750  | ---   | 34.95 | 51.87 | 16.92 | L1 | OFF | 19.5 |
| 0.246750  | 48.00 | ---   | 61.87 | 13.87 | L1 | OFF | 19.5 |
| 0.253500  | ---   | 32.30 | 51.64 | 19.34 | L1 | OFF | 19.5 |
| 0.253500  | 45.48 | ---   | 61.64 | 16.16 | L1 | OFF | 19.5 |
| 0.262500  | ---   | 29.43 | 51.35 | 21.92 | L1 | OFF | 19.5 |
| 0.262500  | 41.14 | ---   | 61.35 | 20.21 | L1 | OFF | 19.5 |
| 0.280500  | ---   | 28.65 | 50.80 | 22.15 | L1 | OFF | 19.5 |
| 0.280500  | 39.63 | ---   | 60.80 | 21.17 | L1 | OFF | 19.5 |
| 0.289500  | ---   | 28.50 | 50.54 | 22.04 | L1 | OFF | 19.5 |
| 0.289500  | 39.70 | ---   | 60.54 | 20.84 | L1 | OFF | 19.5 |
| 0.307500  | ---   | 32.77 | 50.04 | 17.27 | L1 | OFF | 19.5 |
| 0.307500  | 45.23 | ---   | 60.04 | 14.81 | L1 | OFF | 19.5 |
| 0.323250  | ---   | 32.42 | 49.62 | 17.20 | L1 | OFF | 19.5 |
| 0.323250  | 45.86 | ---   | 59.62 | 13.76 | L1 | OFF | 19.5 |
| 0.325500  | ---   | 31.64 | 49.57 | 17.93 | L1 | OFF | 19.5 |
| 0.325500  | 44.60 | ---   | 59.57 | 14.97 | L1 | OFF | 19.5 |
| 0.336750  | ---   | 28.90 | 49.28 | 20.38 | L1 | OFF | 19.5 |
| 0.336750  | 42.32 | ---   | 59.28 | 16.96 | L1 | OFF | 19.5 |
| 0.341250  | ---   | 27.55 | 49.17 | 21.62 | L1 | OFF | 19.5 |
| 0.341250  | 37.72 | ---   | 59.17 | 21.45 | L1 | OFF | 19.5 |
| 0.357000  | ---   | 26.83 | 48.80 | 21.97 | L1 | OFF | 19.5 |
| 0.357000  | 36.67 | ---   | 58.80 | 22.13 | L1 | OFF | 19.5 |
| 0.384000  | ---   | 28.17 | 48.19 | 20.02 | L1 | OFF | 19.5 |
| 0.384000  | 39.96 | ---   | 58.19 | 18.23 | L1 | OFF | 19.5 |
| 0.399750  | ---   | 29.56 | 47.86 | 18.30 | L1 | OFF | 19.5 |
| 0.399750  | 41.08 | ---   | 57.86 | 16.78 | L1 | OFF | 19.5 |
| 0.415500  | ---   | 26.48 | 47.54 | 21.06 | L1 | OFF | 19.5 |
| 0.415500  | 37.38 | ---   | 57.54 | 20.16 | L1 | OFF | 19.5 |
| 0.462750  | ---   | 28.92 | 46.64 | 17.72 | L1 | OFF | 19.5 |
| 0.462750  | 38.50 | ---   | 56.64 | 18.14 | L1 | OFF | 19.5 |
| 0.489750  | ---   | 28.54 | 46.17 | 17.63 | L1 | OFF | 19.5 |
| 0.489750  | 40.09 | ---   | 56.17 | 16.08 | L1 | OFF | 19.5 |
| 0.543750  | ---   | 29.58 | 46.00 | 16.42 | L1 | OFF | 19.5 |
| 0.543750  | 39.55 | ---   | 56.00 | 16.45 | L1 | OFF | 19.5 |
| 0.557250  | ---   | 29.33 | 46.00 | 16.67 | L1 | OFF | 19.5 |
| 0.557250  | 36.47 | ---   | 56.00 | 19.53 | L1 | OFF | 19.5 |
| 0.627000  | ---   | 30.86 | 46.00 | 15.14 | L1 | OFF | 19.6 |
| 0.627000  | 40.49 | ---   | 56.00 | 15.51 | L1 | OFF | 19.6 |
| 0.642750  | ---   | 29.51 | 46.00 | 16.49 | L1 | OFF | 19.6 |
| 0.642750  | 41.36 | ---   | 56.00 | 14.64 | L1 | OFF | 19.6 |
| 0.773250  | ---   | 23.49 | 46.00 | 22.51 | L1 | OFF | 19.6 |
| 0.773250  | 29.53 | ---   | 56.00 | 26.47 | L1 | OFF | 19.6 |
| 4.537500  | ---   | 31.93 | 46.00 | 14.07 | L1 | OFF | 19.7 |
| 4.537500  | 34.12 | ---   | 56.00 | 21.88 | L1 | OFF | 19.7 |
| 15.378000 | ---   | 29.64 | 50.00 | 20.36 | L1 | OFF | 20.1 |
| 15.378000 | 32.57 | ---   | 60.00 | 27.43 | L1 | OFF | 20.1 |

## EUT Information

Report NO : 8N0620-05  
Test Mode : Mode 2  
Test Voltage : 120Vac/60Hz  
Phase : Neutral

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.159000        | ---              | 30.21           | 55.52        | 25.31       | N    | OFF    | 19.5       |
| 0.159000        | 44.11            | ---             | 65.52        | 21.41       | N    | OFF    | 19.5       |
| 0.199500        | ---              | 29.08           | 53.63        | 24.55       | N    | OFF    | 19.5       |
| 0.199500        | 42.46            | ---             | 63.63        | 21.17       | N    | OFF    | 19.5       |
| 0.568500        | ---              | 28.24           | 46.00        | 17.76       | N    | OFF    | 19.5       |
| 0.568500        | 36.93            | ---             | 56.00        | 19.07       | N    | OFF    | 19.5       |
| 0.638250        | ---              | 32.93           | 46.00        | 13.07       | N    | OFF    | 19.6       |
| 0.638250        | 38.81            | ---             | 56.00        | 17.19       | N    | OFF    | 19.6       |
| 1.356000        | ---              | 29.86           | 46.00        | 16.14       | N    | OFF    | 19.6       |
| 1.356000        | 32.13            | ---             | 56.00        | 23.87       | N    | OFF    | 19.6       |
| 4.609500        | ---              | 33.94           | 46.00        | 12.06       | N    | OFF    | 19.7       |
| 4.609500        | 35.19            | ---             | 56.00        | 20.81       | N    | OFF    | 19.7       |
| 14.032500       | ---              | 26.46           | 50.00        | 23.54       | N    | OFF    | 20.1       |
| 14.032500       | 29.26            | ---             | 60.00        | 30.74       | N    | OFF    | 20.1       |



## Appendix C. Radiated Spurious Emission

|                 |                                |                     |         |
|-----------------|--------------------------------|---------------------|---------|
| Test Engineer : | Andy Yang, JC Liang, Wilson Wu | Temperature :       | 25~25°C |
|                 |                                | Relative Humidity : | 48~50%  |

### 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.    |         |
| 4+5                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5150      | 53.68      | -20.32 | 74         | 45.4     | 31.69    | 6.08   | 29.49  | 109    | 236     | P       | H       |
|                             |      | 5150      | 44.45      | -9.55  | 54         | 36.17    | 31.69    | 6.08   | 29.49  | 109    | 236     | A       | H       |
|                             | *    | 5180      | 107.09     | -      | -          | 98.77    | 31.71    | 6.1    | 29.49  | 109    | 236     | P       | H       |
|                             | *    | 5180      | 99.79      | -      | -          | 91.47    | 31.71    | 6.1    | 29.49  | 109    | 236     | A       | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                             |      | 5148.46   | 50.96      | -23.04 | 74         | 42.68    | 31.69    | 6.08   | 29.49  | 100    | 126     | P       | V       |
|                             |      | 5150      | 43.21      | -10.79 | 54         | 34.93    | 31.69    | 6.08   | 29.49  | 100    | 126     | A       | V       |
|                             | *    | 5180      | 108.01     | -      | -          | 99.69    | 31.71    | 6.1    | 29.49  | 100    | 126     | P       | V       |
|                             | *    | 5180      | 100.63     | -      | -          | 92.31    | 31.71    | 6.1    | 29.49  | 100    | 126     | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5072.8    | 49.65      | -24.35 | 74         | 41.43    | 31.65    | 6.04   | 29.47  | 100    | 235     | P       | H       |
|                             |      | 5150      | 39.73      | -14.27 | 54         | 31.45    | 31.69    | 6.08   | 29.49  | 100    | 235     | A       | H       |
|                             | *    | 5220      | 108.62     | -      | -          | 100.28   | 31.73    | 6.11   | 29.5   | 100    | 235     | P       | H       |
|                             | *    | 5220      | 99.93      | -      | -          | 91.59    | 31.73    | 6.11   | 29.5   | 100    | 235     | A       | H       |
|                             |      | 5455.24   | 48.33      | -25.67 | 74         | 39.82    | 31.87    | 6.18   | 29.54  | 100    | 235     | P       | H       |
|                             |      | 5460      | 38.42      | -15.58 | 54         | 29.91    | 31.87    | 6.18   | 29.54  | 100    | 235     | A       | H       |
|                             |      | 5054.86   | 50.03      | -23.97 | 74         | 41.83    | 31.64    | 6.03   | 29.47  | 108    | 116     | P       | V       |
|                             |      | 5150      | 39.57      | -14.43 | 54         | 31.29    | 31.69    | 6.08   | 29.49  | 108    | 116     | A       | V       |
|                             | *    | 5220      | 107.47     | -      | -          | 99.13    | 31.73    | 6.11   | 29.5   | 108    | 116     | P       | V       |
|                             | *    | 5220      | 100.16     | -      | -          | 91.82    | 31.73    | 6.11   | 29.5   | 108    | 116     | A       | V       |
|                             |      | 5451.88   | 48.25      | -25.75 | 74         | 39.75    | 31.87    | 6.17   | 29.54  | 108    | 116     | P       | V       |
|                             |      | 5458.04   | 38.5       | -15.5  | 54         | 29.99    | 31.87    | 6.18   | 29.54  | 108    | 116     | A       | V       |



|                                      |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 48<br/>5240MHz</b> |                                                                                             | 5133.12 | 49.7   | -24.3  | 74 | 41.43  | 31.68 | 6.07 | 29.48 | 104 | 238 | P | H |
|                                      |                                                                                             | 5073.84 | 39.27  | -14.73 | 54 | 31.05  | 31.65 | 6.04 | 29.47 | 104 | 238 | A | H |
|                                      | *                                                                                           | 5240    | 108.37 | -      | -  | 100.02 | 31.74 | 6.11 | 29.5  | 104 | 238 | P | H |
|                                      | *                                                                                           | 5240    | 100.12 | -      | -  | 91.77  | 31.74 | 6.11 | 29.5  | 104 | 238 | A | H |
|                                      |                                                                                             | 5459.44 | 48.15  | -25.85 | 74 | 39.64  | 31.87 | 6.18 | 29.54 | 104 | 238 | P | H |
|                                      |                                                                                             | 5459.16 | 38.35  | -15.65 | 54 | 29.84  | 31.87 | 6.18 | 29.54 | 104 | 238 | A | H |
|                                      |                                                                                             | 5065.52 | 49.37  | -24.63 | 74 | 41.16  | 31.64 | 6.04 | 29.47 | 104 | 119 | P | V |
|                                      |                                                                                             | 5066.82 | 39.29  | -14.71 | 54 | 31.08  | 31.64 | 6.04 | 29.47 | 104 | 119 | A | V |
|                                      | *                                                                                           | 5240    | 107.81 | -      | -  | 99.46  | 31.74 | 6.11 | 29.5  | 104 | 119 | P | V |
|                                      | *                                                                                           | 5240    | 100.61 | -      | -  | 92.26  | 31.74 | 6.11 | 29.5  | 104 | 119 | A | V |
|                                      |                                                                                             | 5448.52 | 48.8   | -25.2  | 74 | 40.3   | 31.87 | 6.17 | 29.54 | 104 | 119 | P | V |
|                                      |                                                                                             | 5458.6  | 38.43  | -15.57 | 54 | 29.92  | 31.87 | 6.18 | 29.54 | 104 | 119 | 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>4+5         | 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                | 45.99               | -22.21                  | 68.2                        | 53.28                   | 39.76                         | 9.91                   | 56.96                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15540                | 45.83               | -28.17                  | 74                          | 51.21                   | 38.62                         | 12.65                  | 56.65                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10360                | 46.33               | -21.87                  | 68.2                        | 53.62                   | 39.76                         | 9.91                   | 56.96                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15540                | 45.53               | -28.47                  | 74                          | 50.91                   | 38.62                         | 12.65                  | 56.65                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440                | 46.85               | -21.35                  | 68.2                        | 53.94                   | 39.88                         | 9.95                   | 56.92                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15660                | 44.46               | -29.54                  | 74                          | 49.92                   | 38.33                         | 12.72                  | 56.51                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10440                | 46.91               | -21.29                  | 68.2                        | 54                      | 39.88                         | 9.95                   | 56.92                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15660                | 44.59               | -29.41                  | 74                          | 50.05                   | 38.33                         | 12.72                  | 56.51                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480                | 48.57               | -19.63                  | 68.2                        | 55.54                   | 39.97                         | 9.97                   | 56.91                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             | 15720                | 44.83               | -29.17                  | 74                          | 50.37                   | 38.16                         | 12.74                  | 56.44                      | 100                  | 0                       | P                     | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                             |                                                                                             | 10480                | 46.88               | -21.32                  | 68.2                        | 53.85                   | 39.97                         | 9.97                   | 56.91                      | 100                  | 0                       | P                     | V             |
|                             |                                                                                             | 15720                | 45.23               | -28.77                  | 74                          | 50.77                   | 38.16                         | 12.74                  | 56.44                      | 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>4+5                 | 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 |      | 5150                 | 54.69               | -19.31                  | 74                          | 46.41                     | 31.69                         | 6.08                   | 29.49                      | 110                  | 238                     | P                       | H               |
|                                     |      | 5150                 | 47.13               | -6.87                   | 54                          | 38.85                     | 31.69                         | 6.08                   | 29.49                      | 110                  | 238                     | A                       | H               |
|                                     | *    | 5180                 | 106.13              | -                       | -                           | 97.81                     | 31.71                         | 6.1                    | 29.49                      | 110                  | 238                     | P                       | H               |
|                                     | *    | 5180                 | 98.19               | -                       | -                           | 89.87                     | 31.71                         | 6.1                    | 29.49                      | 110                  | 238                     | A                       | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |      | 5150                 | 53.4                | -20.6                   | 74                          | 45.12                     | 31.69                         | 6.08                   | 29.49                      | 100                  | 113                     | P                       | V               |
|                                     |      | 5150                 | 44.9                | -9.1                    | 54                          | 36.62                     | 31.69                         | 6.08                   | 29.49                      | 100                  | 113                     | A                       | V               |
|                                     | *    | 5180                 | 107.95              | -                       | -                           | 99.63                     | 31.71                         | 6.1                    | 29.49                      | 100                  | 113                     | P                       | V               |
|                                     | *    | 5180                 | 100.71              | -                       | -                           | 92.39                     | 31.71                         | 6.1                    | 29.49                      | 100                  | 113                     | A                       | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |      | 5030.68              | 50.1                | -23.9                   | 74                          | 41.93                     | 31.62                         | 6.02                   | 29.47                      | 100                  | 236                     | P                       | H               |
|                                     |      | 5057.46              | 40.4                | -13.6                   | 54                          | 32.2                      | 31.64                         | 6.03                   | 29.47                      | 100                  | 236                     | A                       | H               |
|                                     | *    | 5220                 | 106.3               | -                       | -                           | 97.96                     | 31.73                         | 6.11                   | 29.5                       | 100                  | 236                     | P                       | H               |
|                                     | *    | 5220                 | 98.44               | -                       | -                           | 90.1                      | 31.73                         | 6.11                   | 29.5                       | 100                  | 236                     | A                       | H               |
|                                     |      | 5415.48              | 47.62               | -26.38                  | 74                          | 39.16                     | 31.85                         | 6.14                   | 29.53                      | 100                  | 236                     | P                       | H               |
|                                     |      | 5460                 | 39.19               | -14.81                  | 54                          | 30.68                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 236                     | A                       | H               |
|                                     |      | 5134.16              | 49.64               | -24.36                  | 74                          | 41.37                     | 31.68                         | 6.07                   | 29.48                      | 100                  | 101                     | P                       | V               |
|                                     |      | 5071.76              | 40.39               | -13.61                  | 54                          | 32.17                     | 31.65                         | 6.04                   | 29.47                      | 100                  | 101                     | A                       | V               |
|                                     | *    | 5220                 | 107.38              | -                       | -                           | 99.04                     | 31.73                         | 6.11                   | 29.5                       | 100                  | 101                     | P                       | V               |
|                                     | *    | 5220                 | 100.03              | -                       | -                           | 91.69                     | 31.73                         | 6.11                   | 29.5                       | 100                  | 101                     | A                       | V               |
|                                     |      | 5457.48              | 48.42               | -25.58                  | 74                          | 39.91                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 101                     | P                       | V               |
|                                     |      | 5457.48              | 39.15               | -14.85                  | 54                          | 30.64                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 101                     | A                       | V               |



|                                                                 |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5036.4  | 50.01  | -23.99 | 74 | 41.84  | 31.62 | 6.02 | 29.47 | 100 | 236 | P | H |
|                                                                 |                                                                                             | 5042.64 | 40.32  | -13.68 | 54 | 32.14  | 31.63 | 6.02 | 29.47 | 100 | 236 | A | H |
|                                                                 | *                                                                                           | 5240    | 108.64 | -      | -  | 100.29 | 31.74 | 6.11 | 29.5  | 100 | 236 | P | H |
|                                                                 | *                                                                                           | 5240    | 101.26 | -      | -  | 92.91  | 31.74 | 6.11 | 29.5  | 100 | 236 | A | H |
|                                                                 |                                                                                             | 5369.28 | 48.53  | -25.47 | 74 | 40.12  | 31.82 | 6.12 | 29.53 | 100 | 236 | P | H |
|                                                                 |                                                                                             | 5458.88 | 39.15  | -14.85 | 54 | 30.64  | 31.87 | 6.18 | 29.54 | 100 | 236 | A | H |
|                                                                 |                                                                                             | 5021.32 | 49.57  | -24.43 | 74 | 41.4   | 31.62 | 6.01 | 29.46 | 124 | 142 | P | V |
|                                                                 |                                                                                             | 5078.78 | 40.27  | -13.73 | 54 | 32.05  | 31.65 | 6.04 | 29.47 | 124 | 142 | A | V |
|                                                                 | *                                                                                           | 5240    | 108.43 | -      | -  | 100.08 | 31.74 | 6.11 | 29.5  | 124 | 142 | P | V |
|                                                                 | *                                                                                           | 5240    | 100.95 | -      | -  | 92.6   | 31.74 | 6.11 | 29.5  | 124 | 142 | A | V |
|                                                                 |                                                                                             | 5372.08 | 47.74  | -26.26 | 74 | 39.33  | 31.82 | 6.12 | 29.53 | 124 | 142 | P | V |
|                                                                 |                                                                                             | 5456.92 | 39.28  | -14.72 | 54 | 30.77  | 31.87 | 6.18 | 29.54 | 124 | 142 | 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>4+5                 | 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                | 46.57               | -21.63                  | 68.2                        | 53.86                     | 39.76                         | 9.91                   | 56.96                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15540                | 44.65               | -29.35                  | 74                          | 50.03                     | 38.62                         | 12.65                  | 56.65                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10360                | 46.45               | -21.75                  | 68.2                        | 53.74                     | 39.76                         | 9.91                   | 56.96                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15540                | 44.63               | -29.37                  | 74                          | 50.01                     | 38.62                         | 12.65                  | 56.65                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440                | 46.65               | -21.55                  | 68.2                        | 53.74                     | 39.88                         | 9.95                   | 56.92                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15660                | 45.16               | -28.84                  | 74                          | 50.62                     | 38.33                         | 12.72                  | 56.51                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10440                | 46.9                | -21.3                   | 68.2                        | 53.99                     | 39.88                         | 9.95                   | 56.92                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15660                | 44.38               | -29.62                  | 74                          | 49.84                     | 38.33                         | 12.72                  | 56.51                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480                | 48.06               | -20.14                  | 68.2                        | 55.03                     | 39.97                         | 9.97                   | 56.91                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15720                | 44.85               | -29.15                  | 74                          | 50.39                     | 38.16                         | 12.74                  | 56.44                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10480                | 46.88               | -21.32                  | 68.2                        | 53.85                     | 39.97                         | 9.97                   | 56.91                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15720                | 44.85               | -29.15                  | 74                          | 50.39                     | 38.16                         | 12.74                  | 56.44                      | 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>4+5                 | 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 |                                                                                             | 5150                 | 59.74               | -14.26                  | 74                          | 51.46                     | 31.69                         | 6.08                   | 29.49                      | 104                  | 235                     | P                       | H               |
|                                     |                                                                                             | 5150                 | 52.35               | -1.65                   | 54                          | 44.07                     | 31.69                         | 6.08                   | 29.49                      | 104                  | 235                     | A                       | H               |
|                                     | *                                                                                           | 5190                 | 102.1               | 33.9                    | 68.2                        | 93.78                     | 31.71                         | 6.1                    | 29.49                      | 104                  | 235                     | P                       | H               |
|                                     | *                                                                                           | 5190                 | 95.03               | 41.03                   | 54                          | 86.71                     | 31.71                         | 6.1                    | 29.49                      | 104                  | 235                     | A                       | H               |
|                                     |                                                                                             | 5399.24              | 47.72               | -26.28                  | 74                          | 39.29                     | 31.84                         | 6.12                   | 29.53                      | 104                  | 235                     | P                       | V               |
|                                     |                                                                                             | 5454.68              | 40.21               | -13.79                  | 54                          | 31.71                     | 31.87                         | 6.17                   | 29.54                      | 104                  | 235                     | A                       | H               |
|                                     |                                                                                             | 5147.42              | 60.15               | -13.85                  | 74                          | 51.87                     | 31.69                         | 6.08                   | 29.49                      | 100                  | 110                     | P                       | V               |
|                                     |                                                                                             | 5150                 | 51.46               | -2.54                   | 54                          | 43.18                     | 31.69                         | 6.08                   | 29.49                      | 100                  | 110                     | A                       | V               |
|                                     | *                                                                                           | 5190                 | 102.34              | 34.14                   | 68.2                        | 94.02                     | 31.71                         | 6.1                    | 29.49                      | 100                  | 110                     | P                       | V               |
|                                     | *                                                                                           | 5190                 | 95.34               | 41.34                   | 54                          | 87.02                     | 31.71                         | 6.1                    | 29.49                      | 100                  | 110                     | A                       | V               |
|                                     |                                                                                             | 5408.48              | 48.32               | -25.68                  | 74                          | 39.88                     | 31.84                         | 6.13                   | 29.53                      | 100                  | 110                     | P                       | V               |
|                                     |                                                                                             | 5448.52              | 40.36               | -13.64                  | 54                          | 31.86                     | 31.87                         | 6.17                   | 29.54                      | 100                  | 110                     | A                       | V               |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 5149.76              | 53.06               | -20.94                  | 74                          | 44.78                     | 31.69                         | 6.08                   | 29.49                      | 104                  | 236                     | P                       | H               |
|                                     |                                                                                             | 5148.72              | 44.16               | -9.84                   | 54                          | 35.88                     | 31.69                         | 6.08                   | 29.49                      | 104                  | 236                     | A                       | H               |
|                                     | *                                                                                           | 5230                 | 106.65              | -                       | -                           | 98.3                      | 31.74                         | 6.11                   | 29.5                       | 104                  | 236                     | P                       | H               |
|                                     | *                                                                                           | 5230                 | 99.65               | -                       | -                           | 91.3                      | 31.74                         | 6.11                   | 29.5                       | 104                  | 236                     | A                       | H               |
|                                     |                                                                                             | 5361.44              | 51.59               | -22.41                  | 74                          | 43.18                     | 31.82                         | 6.12                   | 29.53                      | 104                  | 236                     | P                       | H               |
|                                     |                                                                                             | 5352.48              | 40.81               | -13.19                  | 54                          | 32.4                      | 31.81                         | 6.12                   | 29.52                      | 104                  | 236                     | A                       | H               |
|                                     |                                                                                             | 5149.24              | 52.21               | -21.79                  | 74                          | 43.93                     | 31.69                         | 6.08                   | 29.49                      | 102                  | 125                     | P                       | V               |
|                                     |                                                                                             | 5146.12              | 44.68               | -9.32                   | 54                          | 36.4                      | 31.69                         | 6.08                   | 29.49                      | 102                  | 125                     | A                       | V               |
|                                     | *                                                                                           | 5230                 | 107.44              | -                       | -                           | 99.09                     | 31.74                         | 6.11                   | 29.5                       | 102                  | 125                     | P                       | V               |
|                                     | *                                                                                           | 5230                 | 100.4               | -                       | -                           | 92.05                     | 31.74                         | 6.11                   | 29.5                       | 102                  | 125                     | A                       | V               |
|                                     |                                                                                             | 5424.44              | 48.76               | -25.24                  | 74                          | 40.31                     | 31.85                         | 6.14                   | 29.54                      | 102                  | 125                     | P                       | V               |
|                                     |                                                                                             | 5350.24              | 40.86               | -13.14                  | 54                          | 32.45                     | 31.81                         | 6.12                   | 29.52                      | 102                  | 125                     | 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>4+5                 | 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                | 46.06               | -22.14                  | 68.2                        | 53.3                    | 39.79                         | 9.92                   | 56.95                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15570                | 45.86               | -28.14                  | 74                          | 51.29                   | 38.53                         | 12.66                  | 56.62                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10380                | 46.14               | -22.06                  | 68.2                        | 53.38                   | 39.79                         | 9.92                   | 56.95                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15570                | 45.09               | -28.91                  | 74                          | 50.52                   | 38.53                         | 12.66                  | 56.62                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460                | 46.92               | -21.28                  | 68.2                        | 53.97                   | 39.91                         | 9.96                   | 56.92                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15690                | 44.53               | -29.47                  | 74                          | 50.04                   | 38.24                         | 12.72                  | 56.47                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10460                | 47.6                | -20.6                   | 68.2                        | 54.65                   | 39.91                         | 9.96                   | 56.92                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15690                | 44                  | -30                     | 74                          | 49.51                   | 38.24                         | 12.72                  | 56.47                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 5150~5250MHz

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

| WIFI<br>Ant.<br>4+5                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 5139.88              | 57.81               | -16.19                  | 74                          | 49.53                   | 31.69                         | 6.08                   | 29.49                      | 100                  | 236                     | P                     | H             |
|                                       |                                                                                             | 5143                 | 50.9                | -3.1                    | 54                          | 42.62                   | 31.69                         | 6.08                   | 29.49                      | 100                  | 236                     | A                     | H             |
|                                       | *                                                                                           | 5210                 | 98.5                | -                       | -                           | 90.16                   | 31.73                         | 6.11                   | 29.5                       | 100                  | 236                     | P                     | H             |
|                                       | *                                                                                           | 5210                 | 91.25               | -                       | -                           | 82.91                   | 31.73                         | 6.11                   | 29.5                       | 100                  | 236                     | A                     | H             |
|                                       |                                                                                             | 5436.48              | 48.33               | -25.67                  | 74                          | 39.85                   | 31.86                         | 6.16                   | 29.54                      | 100                  | 236                     | P                     | H             |
|                                       |                                                                                             | 5446                 | 40.02               | -13.98                  | 54                          | 31.52                   | 31.87                         | 6.17                   | 29.54                      | 100                  | 236                     | A                     | H             |
|                                       |                                                                                             | 5145.86              | 59.56               | -14.44                  | 74                          | 51.28                   | 31.69                         | 6.08                   | 29.49                      | 105                  | 120                     | P                     | V             |
|                                       |                                                                                             | 5145.34              | 51.78               | -2.22                   | 54                          | 43.5                    | 31.69                         | 6.08                   | 29.49                      | 105                  | 120                     | A                     | V             |
|                                       | *                                                                                           | 5210                 | 99.06               | -                       | -                           | 90.72                   | 31.73                         | 6.11                   | 29.5                       | 105                  | 120                     | P                     | V             |
|                                       | *                                                                                           | 5210                 | 91.29               | -                       | -                           | 82.95                   | 31.73                         | 6.11                   | 29.5                       | 105                  | 120                     | A                     | V             |
|                                       |                                                                                             | 5365.92              | 49.07               | -24.93                  | 74                          | 40.66                   | 31.82                         | 6.12                   | 29.53                      | 105                  | 120                     | P                     | V             |
|                                       |                                                                                             | 5450.48              | 40.1                | -13.9                   | 54                          | 31.6                    | 31.87                         | 6.17                   | 29.54                      | 105                  | 120                     | A                     | V             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

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

| WIFI<br>Ant.<br>4+5                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 10420                | 45.88               | -22.32                  | 68.2                        | 53.02                   | 39.85                         | 9.94                   | 56.93                      | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             | 15630                | 44.53               | -29.47                  | 74                          | 50                      | 38.37                         | 12.7                   | 56.54                      | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                                                             | 10420                | 47.36               | -20.84                  | 68.2                        | 54.5                    | 39.85                         | 9.94                   | 56.93                      | 100                  | 0                       | P                     | V             |
|                                       |                                                                                             | 15630                | 44.73               | -29.27                  | 74                          | 50.2                    | 38.37                         | 12.7                   | 56.54                      | 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.    |         |
| 4+5                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5025.5    | 49.76      | -24.24 | 74         | 41.59    | 31.62    | 6.01   | 29.46  | 106    | 235     | P       | H       |
|                             |      | 5071.4    | 39.27      | -14.73 | 54         | 31.06    | 31.64    | 6.04   | 29.47  | 106    | 235     | A       | H       |
|                             | *    | 5260      | 108.08     | -      | -          | 99.72    | 31.76    | 6.11   | 29.51  | 106    | 235     | P       | H       |
|                             | *    | 5260      | 100.86     | -      | -          | 92.5     | 31.76    | 6.11   | 29.51  | 106    | 235     | A       | H       |
|                             |      | 5368.56   | 48.2       | -25.8  | 74         | 39.79    | 31.82    | 6.12   | 29.53  | 106    | 235     | P       | H       |
|                             |      | 5350.08   | 38.88      | -15.12 | 54         | 30.47    | 31.81    | 6.12   | 29.52  | 106    | 235     | A       | H       |
|                             |      | 5062.22   | 49.43      | -24.57 | 74         | 41.23    | 31.64    | 6.03   | 29.47  | 100    | 124     | P       | V       |
|                             |      | 5045.22   | 39.31      | -14.69 | 54         | 31.13    | 31.63    | 6.02   | 29.47  | 100    | 124     | A       | V       |
|                             | *    | 5260      | 107.95     | -      | -          | 99.59    | 31.76    | 6.11   | 29.51  | 100    | 124     | P       | V       |
|                             | *    | 5260      | 100.55     | -      | -          | 92.19    | 31.76    | 6.11   | 29.51  | 100    | 124     | A       | V       |
|                             |      | 5435.04   | 48.74      | -25.26 | 74         | 40.26    | 31.86    | 6.16   | 29.54  | 100    | 124     | P       | V       |
|                             |      | 5350.08   | 38.67      | -15.33 | 54         | 30.26    | 31.81    | 6.12   | 29.52  | 100    | 124     | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5067.32   | 48.97      | -25.03 | 74         | 40.76    | 31.64    | 6.04   | 29.47  | 106    | 240     | P       | H       |
|                             |      | 5072.08   | 39.26      | -14.74 | 54         | 31.04    | 31.65    | 6.04   | 29.47  | 106    | 240     | A       | H       |
|                             | *    | 5300      | 108.08     | -      | -          | 99.7     | 31.78    | 6.11   | 29.51  | 106    | 240     | P       | H       |
|                             | *    | 5300      | 100.64     | -      | -          | 92.26    | 31.78    | 6.11   | 29.51  | 106    | 240     | A       | H       |
|                             |      | 5353.44   | 49.02      | -24.98 | 74         | 40.61    | 31.81    | 6.12   | 29.52  | 106    | 240     | P       | H       |
|                             |      | 5350.08   | 39.44      | -14.56 | 54         | 31.03    | 31.81    | 6.12   | 29.52  | 106    | 240     | A       | H       |
|                             |      | 5010.88   | 49.16      | -24.84 | 74         | 41       | 31.61    | 6.01   | 29.46  | 105    | 125     | P       | V       |
|                             |      | 5051.68   | 39.28      | -14.72 | 54         | 31.09    | 31.63    | 6.03   | 29.47  | 105    | 125     | A       | V       |
|                             | *    | 5300      | 107.72     | -      | -          | 99.34    | 31.78    | 6.11   | 29.51  | 105    | 125     | P       | V       |
|                             | *    | 5300      | 100.22     | -      | -          | 91.84    | 31.78    | 6.11   | 29.51  | 105    | 125     | A       | V       |
|                             |      | 5358      | 47.9       | -26.1  | 74         | 39.49    | 31.81    | 6.12   | 29.52  | 105    | 125     | P       | V       |
|                             |      | 5351.52   | 39.48      | -14.52 | 54         | 31.07    | 31.81    | 6.12   | 29.52  | 105    | 125     | A       | V       |



|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 108.63 | -      | -  | 100.24 | 31.79 | 6.12 | 29.52 | 100 | 237 | P | H |
|                                                  | *                                                                                           | 5320    | 100.28 | -      | -  | 91.89  | 31.79 | 6.12 | 29.52 | 100 | 237 | A | H |
|                                                  |                                                                                             | 5356.32 | 50.98  | -23.02 | 74 | 42.57  | 31.81 | 6.12 | 29.52 | 100 | 237 | P | H |
|                                                  |                                                                                             | 5350.08 | 43.61  | -10.39 | 54 | 35.2   | 31.81 | 6.12 | 29.52 | 100 | 237 | A | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  | *                                                                                           | 5320    | 107.38 | -      | -  | 98.99  | 31.79 | 6.12 | 29.52 | 100 | 126 | P | V |
|                                                  | *                                                                                           | 5320    | 100    | -      | -  | 91.61  | 31.79 | 6.12 | 29.52 | 100 | 126 | A | V |
|                                                  |                                                                                             | 5354.24 | 51.4   | -22.6  | 74 | 42.99  | 31.81 | 6.12 | 29.52 | 100 | 126 | P | V |
|                                                  |                                                                                             | 5352.8  | 42.49  | -11.51 | 54 | 34.08  | 31.81 | 6.12 | 29.52 | 100 | 126 | 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>4+5         | 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                | 46.53               | -21.67                  | 68.2                        | 53.39                     | 40.02                         | 10                     | 56.88                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15780                | 46.01               | -27.99                  | 74                          | 51.55                     | 38.04                         | 12.78                  | 56.36                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10520                | 46.86               | -21.34                  | 68.2                        | 53.72                     | 40.02                         | 10                     | 56.88                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15780                | 45.65               | -28.35                  | 74                          | 51.19                     | 38.04                         | 12.78                  | 56.36                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600                | 47.01               | -26.99                  | 74                          | 53.69                     | 40.1                          | 10.04                  | 56.82                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15900                | 45.36               | -28.64                  | 74                          | 50.99                     | 37.75                         | 12.84                  | 56.22                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10600                | 46.65               | -27.35                  | 74                          | 53.33                     | 40.1                          | 10.04                  | 56.82                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15900                | 45.74               | -28.26                  | 74                          | 51.37                     | 37.75                         | 12.84                  | 56.22                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640                | 47.85               | -26.15                  | 74                          | 54.45                     | 40.14                         | 10.05                  | 56.79                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             | 15960                | 44.58               | -29.42                  | 74                          | 50.28                     | 37.58                         | 12.87                  | 56.15                      | 100                  | 0                       | P                       | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                             |                                                                                             | 10640                | 47.55               | -26.45                  | 74                          | 54.15                     | 40.14                         | 10.05                  | 56.79                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             | 15960                | 44.55               | -29.45                  | 74                          | 50.25                     | 37.58                         | 12.87                  | 56.15                      | 100                  | 0                       | P                       | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                             |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>4+5                 | 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 |      | 5027.2               | 49.71               | -24.29                  | 74                          | 41.54                     | 31.62                         | 6.01                   | 29.46                      | 107                  | 236                     | P                       | H               |
|                                     |      | 5102                 | 40.74               | -13.26                  | 54                          | 32.5                      | 31.66                         | 6.06                   | 29.48                      | 107                  | 236                     | A                       | H               |
|                                     | *    | 5260                 | 109.79              | -                       | -                           | 101.43                    | 31.76                         | 6.11                   | 29.51                      | 107                  | 236                     | P                       | H               |
|                                     | *    | 5260                 | 102.41              | -                       | -                           | 94.05                     | 31.76                         | 6.11                   | 29.51                      | 107                  | 236                     | A                       | H               |
|                                     |      | 5454.96              | 48.21               | -25.79                  | 74                          | 39.71                     | 31.87                         | 6.17                   | 29.54                      | 107                  | 236                     | P                       | H               |
|                                     |      | 5352                 | 39.62               | -14.38                  | 54                          | 31.21                     | 31.81                         | 6.12                   | 29.52                      | 107                  | 236                     | A                       | H               |
|                                     |      | 5030.6               | 49.69               | -24.31                  | 74                          | 41.52                     | 31.62                         | 6.02                   | 29.47                      | 116                  | 144                     | P                       | V               |
|                                     |      | 5043.52              | 40.67               | -13.33                  | 54                          | 32.49                     | 31.63                         | 6.02                   | 29.47                      | 116                  | 144                     | A                       | V               |
|                                     | *    | 5260                 | 108.91              | -                       | -                           | 100.55                    | 31.76                         | 6.11                   | 29.51                      | 116                  | 144                     | P                       | V               |
|                                     | *    | 5260                 | 101.01              | -                       | -                           | 92.65                     | 31.76                         | 6.11                   | 29.51                      | 116                  | 144                     | A                       | V               |
|                                     |      | 5440.8               | 48.06               | -25.94                  | 74                          | 39.58                     | 31.86                         | 6.16                   | 29.54                      | 116                  | 144                     | P                       | V               |
|                                     |      | 5457.36              | 39.6                | -14.4                   | 54                          | 31.09                     | 31.87                         | 6.18                   | 29.54                      | 116                  | 144                     | A                       | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |      | 5049.64              | 50.94               | -23.06                  | 74                          | 42.75                     | 31.63                         | 6.03                   | 29.47                      | 105                  | 237                     | P                       | H               |
|                                     |      | 5019.72              | 40.63               | -13.37                  | 54                          | 32.47                     | 31.61                         | 6.01                   | 29.46                      | 105                  | 237                     | A                       | H               |
|                                     | *    | 5300                 | 110.08              | -                       | -                           | 101.7                     | 31.78                         | 6.11                   | 29.51                      | 105                  | 237                     | P                       | H               |
|                                     | *    | 5300                 | 102.61              | -                       | -                           | 94.23                     | 31.78                         | 6.11                   | 29.51                      | 105                  | 237                     | A                       | H               |
|                                     |      | 5367.6               | 50.05               | -23.95                  | 74                          | 41.64                     | 31.82                         | 6.12                   | 29.53                      | 105                  | 237                     | P                       | H               |
|                                     |      | 5350.8               | 40.95               | -13.05                  | 54                          | 32.54                     | 31.81                         | 6.12                   | 29.52                      | 105                  | 237                     | A                       | H               |
|                                     |      | 5086.02              | 48.7                | -25.3                   | 74                          | 40.48                     | 31.65                         | 6.05                   | 29.48                      | 106                  | 143                     | P                       | V               |
|                                     |      | 5055.76              | 40.53               | -13.47                  | 54                          | 32.33                     | 31.64                         | 6.03                   | 29.47                      | 106                  | 143                     | A                       | V               |
|                                     | *    | 5300                 | 110.3               | -                       | -                           | 101.92                    | 31.78                         | 6.11                   | 29.51                      | 106                  | 143                     | P                       | V               |
|                                     | *    | 5300                 | 101.89              | -                       | -                           | 93.51                     | 31.78                         | 6.11                   | 29.51                      | 106                  | 143                     | A                       | V               |
|                                     |      | 5354.16              | 48.97               | -25.03                  | 74                          | 40.56                     | 31.81                         | 6.12                   | 29.52                      | 106                  | 143                     | P                       | V               |
|                                     |      | 5351.52              | 40.58               | -13.42                  | 54                          | 32.17                     | 31.81                         | 6.12                   | 29.52                      | 106                  | 143                     | A                       | V               |



|                                               |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 64<br/>5320MHz</b> | *                                                                                           | 5320    | 109.65 | -      | -  | 101.26 | 31.79 | 6.12 | 29.52 | 100 | 236 | P | H |
|                                               | *                                                                                           | 5320    | 102.47 | -      | -  | 94.08  | 31.79 | 6.12 | 29.52 | 100 | 236 | A | H |
|                                               |                                                                                             | 5350.08 | 54.07  | -19.93 | 74 | 45.66  | 31.81 | 6.12 | 29.52 | 100 | 236 | P | H |
|                                               |                                                                                             | 5350.32 | 45.34  | -8.66  | 54 | 36.93  | 31.81 | 6.12 | 29.52 | 100 | 236 | A | H |
|                                               |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                               |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                               | *                                                                                           | 5320    | 108.64 | -      | -  | 100.25 | 31.79 | 6.12 | 29.52 | 100 | 145 | P | V |
|                                               | *                                                                                           | 5320    | 101.33 | -      | -  | 92.94  | 31.79 | 6.12 | 29.52 | 100 | 145 | A | V |
|                                               |                                                                                             | 5358    | 50.86  | -23.14 | 74 | 42.45  | 31.81 | 6.12 | 29.52 | 100 | 145 | P | V |
|                                               |                                                                                             | 5350.32 | 43.36  | -10.64 | 54 | 34.95  | 31.81 | 6.12 | 29.52 | 100 | 145 | 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>4+5                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 52<br>5260MHz |                                                                                             | 10520                | 46.94               | -21.26                  | 68.2                        | 53.8                      | 40.02                         | 10                     | 56.88                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15780                | 45.89               | -28.11                  | 74                          | 51.43                     | 38.04                         | 12.78                  | 56.36                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10520                | 47.06               | -21.14                  | 68.2                        | 53.92                     | 40.02                         | 10                     | 56.88                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15780                | 45.21               | -28.79                  | 74                          | 50.75                     | 38.04                         | 12.78                  | 56.36                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |                                                                                             | 10600                | 48.14               | -25.86                  | 74                          | 54.82                     | 40.1                          | 10.04                  | 56.82                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15900                | 45.58               | -28.42                  | 74                          | 51.21                     | 37.75                         | 12.84                  | 56.22                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10600                | 45.76               | -28.24                  | 74                          | 52.44                     | 40.1                          | 10.04                  | 56.82                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15900                | 45.76               | -28.24                  | 74                          | 51.39                     | 37.75                         | 12.84                  | 56.22                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 64<br>5320MHz |                                                                                             | 10640                | 47.23               | -26.77                  | 74                          | 53.83                     | 40.14                         | 10.05                  | 56.79                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             | 15960                | 45.12               | -28.88                  | 74                          | 50.82                     | 37.58                         | 12.87                  | 56.15                      | 100                  | 0                       | P                       | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                     |                                                                                             | 10640                | 47.3                | -26.7                   | 74                          | 53.9                      | 40.14                         | 10.05                  | 56.79                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             | 15960                | 45.89               | -28.11                  | 74                          | 51.59                     | 37.58                         | 12.87                  | 56.15                      | 100                  | 0                       | P                       | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                     |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>4+5                 | 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 |                                                                                             | 5131.58              | 49.72               | -24.28                  | 74                          | 41.45                     | 31.68                         | 6.07                   | 29.48                      | 100                  | 236                     | P                       | H               |
|                                     |                                                                                             | 5056.44              | 41.1                | -12.9                   | 54                          | 32.9                      | 31.64                         | 6.03                   | 29.47                      | 100                  | 236                     | A                       | H               |
|                                     | *                                                                                           | 5270                 | 108.34              | -                       | -                           | 99.98                     | 31.76                         | 6.11                   | 29.51                      | 100                  | 236                     | P                       | H               |
|                                     | *                                                                                           | 5270                 | 100.8               | -                       | -                           | 92.44                     | 31.76                         | 6.11                   | 29.51                      | 100                  | 236                     | A                       | H               |
|                                     |                                                                                             | 5351.52              | 54.3                | -19.7                   | 74                          | 45.89                     | 31.81                         | 6.12                   | 29.52                      | 100                  | 236                     | P                       | H               |
|                                     |                                                                                             | 5350.08              | 47.21               | -6.79                   | 54                          | 38.8                      | 31.81                         | 6.12                   | 29.52                      | 100                  | 236                     | A                       | H               |
|                                     |                                                                                             | 5102.68              | 49.28               | -24.72                  | 74                          | 41.04                     | 31.66                         | 6.06                   | 29.48                      | 108                  | 126                     | P                       | V               |
|                                     |                                                                                             | 5082.96              | 41.11               | -12.89                  | 54                          | 32.88                     | 31.65                         | 6.05                   | 29.47                      | 108                  | 126                     | A                       | V               |
|                                     | *                                                                                           | 5270                 | 108.13              | -                       | -                           | 99.77                     | 31.76                         | 6.11                   | 29.51                      | 108                  | 126                     | P                       | V               |
|                                     | *                                                                                           | 5270                 | 100.59              | -                       | -                           | 92.23                     | 31.76                         | 6.11                   | 29.51                      | 108                  | 126                     | A                       | V               |
|                                     |                                                                                             | 5353.2               | 54.29               | -19.71                  | 74                          | 45.88                     | 31.81                         | 6.12                   | 29.52                      | 108                  | 126                     | P                       | V               |
|                                     |                                                                                             | 5352.48              | 46.78               | -7.22                   | 54                          | 38.37                     | 31.81                         | 6.12                   | 29.52                      | 108                  | 126                     | A                       | V               |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 5002.04              | 49.29               | -24.71                  | 74                          | 41.15                     | 31.6                          | 6                      | 29.46                      | 100                  | 236                     | P                       | H               |
|                                     |                                                                                             | 5079.22              | 41.26               | -12.74                  | 54                          | 33.04                     | 31.65                         | 6.04                   | 29.47                      | 100                  | 236                     | A                       | H               |
|                                     | *                                                                                           | 5310                 | 105.67              | -                       | -                           | 97.28                     | 31.79                         | 6.12                   | 29.52                      | 100                  | 236                     | P                       | H               |
|                                     | *                                                                                           | 5310                 | 98.07               | -                       | -                           | 89.68                     | 31.79                         | 6.12                   | 29.52                      | 100                  | 236                     | A                       | H               |
|                                     |                                                                                             | 5354.16              | 59.09               | -14.91                  | 74                          | 50.68                     | 31.81                         | 6.12                   | 29.52                      | 100                  | 236                     | P                       | H               |
|                                     |                                                                                             | 5351.28              | 50.58               | -3.42                   | 54                          | 42.17                     | 31.81                         | 6.12                   | 29.52                      | 100                  | 236                     | A                       | H               |
|                                     |                                                                                             | 5041.48              | 49.86               | -24.14                  | 74                          | 41.68                     | 31.63                         | 6.02                   | 29.47                      | 100                  | 126                     | P                       | V               |
|                                     |                                                                                             | 5103.7               | 41.13               | -12.87                  | 54                          | 32.89                     | 31.66                         | 6.06                   | 29.48                      | 100                  | 126                     | A                       | V               |
|                                     | *                                                                                           | 5310                 | 105.27              | -                       | -                           | 96.88                     | 31.79                         | 6.12                   | 29.52                      | 100                  | 126                     | P                       | V               |
|                                     | *                                                                                           | 5310                 | 97.79               | -                       | -                           | 89.4                      | 31.79                         | 6.12                   | 29.52                      | 100                  | 126                     | A                       | V               |
|                                     |                                                                                             | 5353.68              | 60.18               | -13.82                  | 74                          | 51.77                     | 31.81                         | 6.12                   | 29.52                      | 100                  | 126                     | P                       | V               |
|                                     |                                                                                             | 5352                 | 50.94               | -3.06                   | 54                          | 42.53                     | 31.81                         | 6.12                   | 29.52                      | 100                  | 126                     | 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>4+5                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n<br>HT40<br>CH 54<br>5270MHz |                                                                                             | 10540                | 46.13               | -22.07                  | 68.2                        | 52.96                   | 40.03                         | 10.01                  | 56.87                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15810                | 44.87               | -29.13                  | 74                          | 50.44                   | 37.96                         | 12.8                   | 56.33                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10540                | 46.45               | -21.75                  | 68.2                        | 53.28                   | 40.03                         | 10.01                  | 56.87                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15810                | 45.38               | -28.62                  | 74                          | 50.95                   | 37.96                         | 12.8                   | 56.33                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 10620                | 46.78               | -27.22                  | 74                          | 53.42                   | 40.12                         | 10.04                  | 56.8                       | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             | 15930                | 45.07               | -28.93                  | 74                          | 50.72                   | 37.67                         | 12.86                  | 56.18                      | 100                  | 0                       | P                     | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                     |                                                                                             | 10620                | 47                  | -27                     | 74                          | 53.64                   | 40.12                         | 10.04                  | 56.8                       | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             | 15930                | 44.99               | -29.01                  | 74                          | 50.64                   | 37.67                         | 12.86                  | 56.18                      | 100                  | 0                       | P                     | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                     |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 2 5250~5350MHz

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

| WIFI<br>Ant.<br>4+5                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5019.72              | 49.09               | -24.91                  | 74                          | 40.93                   | 31.61                         | 6.01                   | 29.46                      | 100                  | 237                     | P                     | H             |
|                                       |                                                                                             | 5103.02              | 41.12               | -12.88                  | 54                          | 32.88                   | 31.66                         | 6.06                   | 29.48                      | 100                  | 237                     | A                     | H             |
|                                       | *                                                                                           | 5290                 | 102.48              | -                       | -                           | 94.11                   | 31.77                         | 6.11                   | 29.51                      | 100                  | 237                     | P                     | H             |
|                                       | *                                                                                           | 5290                 | 95.29               | -                       | -                           | 86.92                   | 31.77                         | 6.11                   | 29.51                      | 100                  | 237                     | A                     | H             |
|                                       |                                                                                             | 5354.4               | 58.43               | -15.57                  | 74                          | 50.02                   | 31.81                         | 6.12                   | 29.52                      | 100                  | 237                     | P                     | H             |
|                                       |                                                                                             | 5353.2               | 50.79               | -3.21                   | 54                          | 42.38                   | 31.81                         | 6.12                   | 29.52                      | 100                  | 237                     | A                     | H             |
|                                       |                                                                                             | 5043.18              | 49.34               | -24.66                  | 74                          | 41.16                   | 31.63                         | 6.02                   | 29.47                      | 105                  | 125                     | P                     | V             |
|                                       |                                                                                             | 5089.76              | 40.93               | -13.07                  | 54                          | 32.7                    | 31.66                         | 6.05                   | 29.48                      | 105                  | 125                     | A                     | V             |
|                                       | *                                                                                           | 5290                 | 101.96              | -                       | -                           | 93.59                   | 31.77                         | 6.11                   | 29.51                      | 105                  | 125                     | P                     | V             |
|                                       | *                                                                                           | 5290                 | 94.08               | -                       | -                           | 85.71                   | 31.77                         | 6.11                   | 29.51                      | 105                  | 125                     | A                     | V             |
|                                       |                                                                                             | 5352.96              | 57.02               | -16.98                  | 74                          | 48.61                   | 31.81                         | 6.12                   | 29.52                      | 105                  | 125                     | P                     | V             |
|                                       |                                                                                             | 5352.96              | 50.51               | -3.49                   | 54                          | 42.1                    | 31.81                         | 6.12                   | 29.52                      | 105                  | 125                     | A                     | V             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

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

| WIFI<br>Ant.<br>4+5                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 10580                | 46.12               | -22.08                  | 68.2                        | 52.84                   | 40.09                         | 10.03                  | 56.84                      | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             | 15870                | 45.46               | -28.54                  | 74                          | 51.11                   | 37.79                         | 12.82                  | 56.26                      | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                                                             | 10580                | 45.77               | -22.43                  | 68.2                        | 52.49                   | 40.09                         | 10.03                  | 56.84                      | 100                  | 0                       | P                     | V             |
|                                       |                                                                                             | 15870                | 46.51               | -27.49                  | 74                          | 52.16                   | 37.79                         | 12.82                  | 56.26                      | 100                  | 0                       | P                     | V             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 3 - 5470~5725MHz

## WIFI 802.11a (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.    |         |
| 4+5                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 100<br>5500MHz |      | 5430.32   | 48.4       | -25.6  | 74         | 39.93    | 31.86    | 6.15   | 29.54  | 100    | 81      | P       | H       |
|                              |      | 5469.2    | 49.05      | -19.15 | 68.2       | 40.52    | 31.88    | 6.19   | 29.54  | 100    | 81      | P       | H       |
|                              |      | 5459.6    | 39.03      | -14.97 | 54         | 30.52    | 31.87    | 6.18   | 29.54  | 100    | 81      | A       | H       |
|                              | *    | 5500      | 104.11     | -      | -          | 95.54    | 31.9     | 6.22   | 29.55  | 100    | 81      | P       | H       |
|                              | *    | 5500      | 96.11      | -      | -          | 87.54    | 31.9     | 6.22   | 29.55  | 100    | 81      | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5438.16   | 48.81      | -25.19 | 74         | 40.33    | 31.86    | 6.16   | 29.54  | 115    | 114     | P       | V       |
|                              |      | 5470      | 52.13      | -16.07 | 68.2       | 43.6     | 31.88    | 6.19   | 29.54  | 115    | 114     | P       | V       |
|                              |      | 5458.96   | 39.4       | -14.6  | 54         | 30.89    | 31.87    | 6.18   | 29.54  | 115    | 114     | A       | V       |
|                              | *    | 5500      | 105.66     | -      | -          | 97.09    | 31.9     | 6.22   | 29.55  | 115    | 114     | P       | V       |
|                              | *    | 5500      | 98.25      | -      | -          | 89.68    | 31.9     | 6.22   | 29.55  | 115    | 114     | A       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5391.52   | 47.77      | -26.23 | 74         | 39.35    | 31.83    | 6.12   | 29.53  | 104    | 76      | P       | H       |
|                              |      | 5464.48   | 47.36      | -20.84 | 68.2       | 38.84    | 31.88    | 6.18   | 29.54  | 104    | 76      | P       | H       |
|                              |      | 5459.92   | 38.51      | -15.49 | 54         | 30       | 31.87    | 6.18   | 29.54  | 104    | 76      | A       | H       |
|                              | *    | 5580      | 104.68     | -      | -          | 95.93    | 32       | 6.3    | 29.55  | 104    | 76      | P       | H       |
|                              | *    | 5580      | 97.24      | -      | -          | 88.49    | 32       | 6.3    | 29.55  | 104    | 76      | A       | H       |
|                              |      | 5738.225  | 47.9       | -20.3  | 68.2       | 38.83    | 32.24    | 6.38   | 29.55  | 104    | 76      | P       | H       |
|                              |      | 5441.92   | 47.56      | -26.44 | 74         | 39.08    | 31.86    | 6.16   | 29.54  | 106    | 100     | P       | V       |
|                              |      | 5465.92   | 47.29      | -20.91 | 68.2       | 38.76    | 31.88    | 6.19   | 29.54  | 106    | 100     | P       | V       |
|                              |      | 5458.72   | 38.55      | -15.45 | 54         | 30.04    | 31.87    | 6.18   | 29.54  | 106    | 100     | A       | V       |
|                              | *    | 5580      | 106        | -      | -          | 97.25    | 32       | 6.3    | 29.55  | 106    | 100     | P       | V       |
|                              | *    | 5580      | 98.75      | -      | -          | 90       | 32       | 6.3    | 29.55  | 106    | 100     | A       | V       |
|                              |      | 5740.745  | 48.4       | -19.8  | 68.2       | 39.33    | 32.24    | 6.38   | 29.55  | 106    | 100     | P       | V       |



|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   |   |
|---------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 104.93 | -      | -    | 95.95 | 32.17 | 6.36 | 29.55 | 100 | 74  | P | H |
|                                       | *                                                                                           | 5700    | 97.69  | -      | -    | 88.71 | 32.17 | 6.36 | 29.55 | 100 | 74  | A | H |
|                                       |                                                                                             | 5728.76 | 56.58  | -11.62 | 68.2 | 47.55 | 32.21 | 6.37 | 29.55 | 100 | 74  | P | H |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                       | *                                                                                           | 5700    | 107.85 | -      | -    | 98.87 | 32.17 | 6.36 | 29.55 | 100 | 124 | P | V |
|                                       | *                                                                                           | 5700    | 99.45  | -      | -    | 90.47 | 32.17 | 6.36 | 29.55 | 100 | 124 | A | V |
|                                       |                                                                                             | 5726.68 | 57.6   | -10.6  | 68.2 | 48.57 | 32.21 | 6.37 | 29.55 | 100 | 124 | P | V |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | V |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | V |
|                                       |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | V |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |      |       |       |      |       |     |     |   |   |



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

| WIFI<br>Ant.<br>4+5          | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000                | 48.85               | -25.15                  | 74                          | 54.63                     | 40.5                          | 10.22                  | 56.5                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 16500                | 46.79               | -21.41                  | 68.2                        | 50.3                      | 39.4                          | 12.79                  | 55.7                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11000                | 47.22               | -26.78                  | 74                          | 53                        | 40.5                          | 10.22                  | 56.5                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 16500                | 47.33               | -20.87                  | 68.2                        | 50.84                     | 39.4                          | 12.79                  | 55.7                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160                | 47.92               | -26.08                  | 74                          | 53.76                     | 40.3                          | 10.3                   | 56.44                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 16740                | 47.7                | -20.5                   | 68.2                        | 51.16                     | 39.69                         | 12.74                  | 55.89                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11160                | 47.36               | -26.64                  | 74                          | 53.2                      | 40.3                          | 10.3                   | 56.44                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 16740                | 48.32               | -19.88                  | 68.2                        | 51.78                     | 39.69                         | 12.74                  | 55.89                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400                | 46.83               | -27.17                  | 74                          | 52.73                     | 40.02                         | 10.42                  | 56.34                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17100                | 47.76               | -20.44                  | 68.2                        | 50.9                      | 40.36                         | 12.8                   | 56.3                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11400                | 47.57               | -26.43                  | 74                          | 53.47                     | 40.02                         | 10.42                  | 56.34                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17100                | 47.82               | -20.38                  | 68.2                        | 50.96                     | 40.36                         | 12.8                   | 56.3                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>4+5                  | 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 |      | 5448.72              | 48.34               | -25.66                  | 74                          | 39.84                     | 31.87                         | 6.17                   | 29.54                      | 105                  | 233                     | P                       | H               |
|                                      |      | 5463.76              | 52.31               | -15.89                  | 68.2                        | 43.79                     | 31.88                         | 6.18                   | 29.54                      | 105                  | 233                     | P                       | H               |
|                                      |      | 5459.92              | 40.67               | -13.33                  | 54                          | 32.16                     | 31.87                         | 6.18                   | 29.54                      | 105                  | 233                     | A                       | H               |
|                                      | *    | 5500                 | 104.83              | -                       | -                           | 96.26                     | 31.9                          | 6.22                   | 29.55                      | 105                  | 233                     | P                       | H               |
|                                      | *    | 5500                 | 97.26               | -                       | -                           | 88.69                     | 31.9                          | 6.22                   | 29.55                      | 105                  | 233                     | A                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5459.12              | 50.01               | -23.99                  | 74                          | 41.5                      | 31.87                         | 6.18                   | 29.54                      | 119                  | 137                     | P                       | V               |
|                                      |      | 5468.08              | 53.89               | -14.31                  | 68.2                        | 45.36                     | 31.88                         | 6.19                   | 29.54                      | 119                  | 137                     | P                       | V               |
|                                      |      | 5459.92              | 41.51               | -12.49                  | 54                          | 33                        | 31.87                         | 6.18                   | 29.54                      | 119                  | 137                     | A                       | V               |
|                                      | *    | 5500                 | 107.33              | -                       | -                           | 98.76                     | 31.9                          | 6.22                   | 29.55                      | 119                  | 137                     | P                       | V               |
|                                      | *    | 5500                 | 99.77               | -                       | -                           | 91.2                      | 31.9                          | 6.22                   | 29.55                      | 119                  | 137                     | A                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |      | 5410.96              | 48.81               | -25.19                  | 74                          | 40.37                     | 31.84                         | 6.13                   | 29.53                      | 100                  | 234                     | P                       | H               |
|                                      |      | 5470                 | 47.04               | -21.16                  | 68.2                        | 38.51                     | 31.88                         | 6.19                   | 29.54                      | 100                  | 234                     | P                       | H               |
|                                      |      | 5454.16              | 39.3                | -14.7                   | 54                          | 30.8                      | 31.87                         | 6.17                   | 29.54                      | 100                  | 234                     | A                       | H               |
|                                      | *    | 5580                 | 103.35              | -                       | -                           | 94.6                      | 32                            | 6.3                    | 29.55                      | 100                  | 234                     | P                       | H               |
|                                      | *    | 5580                 | 95.5                | -                       | -                           | 86.75                     | 32                            | 6.3                    | 29.55                      | 100                  | 234                     | A                       | H               |
|                                      |      | 5727.515             | 49.44               | -18.76                  | 68.2                        | 40.41                     | 32.21                         | 6.37                   | 29.55                      | 100                  | 234                     | P                       | H               |
|                                      |      | 5441.68              | 48.45               | -25.55                  | 74                          | 39.97                     | 31.86                         | 6.16                   | 29.54                      | 108                  | 101                     | P                       | V               |
|                                      |      | 5462.32              | 47.91               | -20.29                  | 68.2                        | 39.4                      | 31.87                         | 6.18                   | 29.54                      | 108                  | 101                     | P                       | V               |
|                                      |      | 5459.2               | 39.58               | -14.42                  | 54                          | 31.07                     | 31.87                         | 6.18                   | 29.54                      | 108                  | 101                     | A                       | V               |
|                                      | *    | 5580                 | 106.78              | -                       | -                           | 98.03                     | 32                            | 6.3                    | 29.55                      | 108                  | 101                     | P                       | V               |
|                                      | *    | 5580                 | 99.53               | -                       | -                           | 90.78                     | 32                            | 6.3                    | 29.55                      | 108                  | 101                     | A                       | V               |
|                                      |      | 5745.155             | 47.83               | -20.37                  | 68.2                        | 38.76                     | 32.24                         | 6.38                   | 29.55                      | 108                  | 101                     | P                       | V               |



|                                                |                                                                                             |         |        |        |      |       |       |      |       |     |     |   |   |
|------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n<br/>HT20<br/>CH 140<br/>5700MHz</b> | *                                                                                           | 5700    | 105.6  | -      | -    | 96.62 | 32.17 | 6.36 | 29.55 | 109 | 62  | P | H |
|                                                | *                                                                                           | 5700    | 98.39  | -      | -    | 89.41 | 32.17 | 6.36 | 29.55 | 109 | 62  | A | H |
|                                                |                                                                                             | 5725.08 | 54.02  | -14.18 | 68.2 | 44.99 | 32.21 | 6.37 | 29.55 | 109 | 62  | P | H |
|                                                |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                                |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                                |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | H |
|                                                | *                                                                                           | 5700    | 106.89 | -      | -    | 97.91 | 32.17 | 6.36 | 29.55 | 100 | 127 | P | V |
|                                                | *                                                                                           | 5700    | 99.4   | -      | -    | 90.42 | 32.17 | 6.36 | 29.55 | 100 | 127 | A | V |
|                                                |                                                                                             | 5727.08 | 59.38  | -8.82  | 68.2 | 50.35 | 32.21 | 6.37 | 29.55 | 100 | 127 | P | V |
|                                                |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | V |
|                                                |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | V |
|                                                |                                                                                             |         |        |        |      |       |       |      |       |     |     |   | V |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |      |       |       |      |       |     |     |   |   |



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

| WIFI<br>Ant.<br>4+5                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 100<br>5500MHz |                                                                                             | 11000                | 47.23               | -26.77                  | 74                          | 53.01                     | 40.5                          | 10.22                  | 56.5                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16500                | 46.87               | -21.33                  | 68.2                        | 50.38                     | 39.4                          | 12.79                  | 55.7                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11000                | 46.75               | -27.25                  | 74                          | 52.53                     | 40.5                          | 10.22                  | 56.5                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16500                | 47.95               | -20.25                  | 68.2                        | 51.46                     | 39.4                          | 12.79                  | 55.7                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160                | 47.02               | -26.98                  | 74                          | 52.86                     | 40.3                          | 10.3                   | 56.44                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16740                | 47.52               | -20.68                  | 68.2                        | 50.98                     | 39.69                         | 12.74                  | 55.89                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11160                | 47.67               | -26.33                  | 74                          | 53.51                     | 40.3                          | 10.3                   | 56.44                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16740                | 49.41               | -18.79                  | 68.2                        | 52.87                     | 39.69                         | 12.74                  | 55.89                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400                | 46.25               | -27.75                  | 74                          | 52.15                     | 40.02                         | 10.42                  | 56.34                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17100                | 49.02               | -19.18                  | 68.2                        | 52.16                     | 40.36                         | 12.8                   | 56.3                       | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11400                | 47.1                | -26.9                   | 74                          | 53                        | 40.02                         | 10.42                  | 56.34                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17100                | 49.28               | -18.92                  | 68.2                        | 52.42                     | 40.36                         | 12.8                   | 56.3                       | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>4+5                            | 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> |      | 5458.48              | 56.93               | -17.07                  | 74                          | 48.42                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 143                     | P                       | H               |
|                                                |      | 5467.36              | 60.52               | -7.68                   | 68.2                        | 51.99                     | 31.88                         | 6.19                   | 29.54                      | 100                  | 143                     | P                       | H               |
|                                                |      | 5457.52              | 51.28               | -2.72                   | 54                          | 42.77                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 143                     | A                       | H               |
|                                                | *    | 5510                 | 103.19              | -                       | -                           | 94.61                     | 31.9                          | 6.23                   | 29.55                      | 100                  | 143                     | P                       | H               |
|                                                | *    | 5510                 | 95.1                | -                       | -                           | 86.52                     | 31.9                          | 6.23                   | 29.55                      | 100                  | 143                     | A                       | H               |
|                                                |      | 5730.35              | 48.99               | -19.21                  | 68.2                        | 39.96                     | 32.21                         | 6.37                   | 29.55                      | 100                  | 143                     | P                       | H               |
|                                                |      | 5457.28              | 58.12               | -15.88                  | 74                          | 49.61                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 84                      | P                       | V               |
|                                                |      | 5465.44              | 61.92               | -6.28                   | 68.2                        | 53.39                     | 31.88                         | 6.19                   | 29.54                      | 100                  | 84                      | P                       | V               |
|                                                |      | 5459.92              | 50.73               | -3.27                   | 54                          | 42.22                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 84                      | A                       | V               |
|                                                | *    | 5510                 | 104.85              | -                       | -                           | 96.27                     | 31.9                          | 6.23                   | 29.55                      | 100                  | 84                      | P                       | V               |
|                                                | *    | 5510                 | 97.35               | -                       | -                           | 88.77                     | 31.9                          | 6.23                   | 29.55                      | 100                  | 84                      | A                       | V               |
|                                                |      | 5744.84              | 48.56               | -19.64                  | 68.2                        | 39.49                     | 32.24                         | 6.38                   | 29.55                      | 100                  | 84                      | P                       | V               |
| <b>802.11n<br/>HT40<br/>CH 110<br/>5550MHz</b> |      | 5451.52              | 50.91               | -23.09                  | 74                          | 42.41                     | 31.87                         | 6.17                   | 29.54                      | 101                  | 239                     | P                       | H               |
|                                                |      | 5468.8               | 52.24               | -15.96                  | 68.2                        | 43.71                     | 31.88                         | 6.19                   | 29.54                      | 101                  | 239                     | P                       | H               |
|                                                |      | 5451.28              | 42.25               | -11.75                  | 54                          | 33.75                     | 31.87                         | 6.17                   | 29.54                      | 101                  | 239                     | A                       | H               |
|                                                | *    | 5550                 | 105.94              | -                       | -                           | 97.25                     | 31.97                         | 6.27                   | 29.55                      | 101                  | 239                     | P                       | H               |
|                                                | *    | 5550                 | 98.1                | -                       | -                           | 89.41                     | 31.97                         | 6.27                   | 29.55                      | 101                  | 239                     | A                       | H               |
|                                                |      | 5730.035             | 49.11               | -19.09                  | 68.2                        | 40.08                     | 32.21                         | 6.37                   | 29.55                      | 101                  | 239                     | P                       | H               |
|                                                |      | 5454.64              | 51.46               | -22.54                  | 74                          | 42.96                     | 31.87                         | 6.17                   | 29.54                      | 112                  | 122                     | P                       | V               |
|                                                |      | 5469.76              | 54.64               | -13.56                  | 68.2                        | 46.11                     | 31.88                         | 6.19                   | 29.54                      | 112                  | 122                     | P                       | V               |
|                                                |      | 5454.64              | 44.17               | -9.83                   | 54                          | 35.67                     | 31.87                         | 6.17                   | 29.54                      | 112                  | 122                     | A                       | V               |
|                                                | *    | 5550                 | 109.95              | -                       | -                           | 101.26                    | 31.97                         | 6.27                   | 29.55                      | 112                  | 122                     | P                       | V               |
|                                                | *    | 5550                 | 101.3               | -                       | -                           | 92.61                     | 31.97                         | 6.27                   | 29.55                      | 112                  | 122                     | A                       | V               |
|                                                |      | 5727.2               | 48.09               | -20.11                  | 68.2                        | 39.06                     | 32.21                         | 6.37                   | 29.55                      | 112                  | 122                     | P                       | V               |



|                                                                  |                                                                                             |          |        |        |      |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5459.2   | 47.39  | -26.61 | 74   | 38.88 | 31.87 | 6.18 | 29.54 | 100 | 253 | P | H |
|                                                                  |                                                                                             | 5460.6   | 46.78  | -21.42 | 68.2 | 38.27 | 31.87 | 6.18 | 29.54 | 100 | 253 | P | H |
|                                                                  |                                                                                             | 5458.85  | 39.88  | -14.12 | 54   | 31.37 | 31.87 | 6.18 | 29.54 | 100 | 253 | A | H |
|                                                                  | *                                                                                           | 5670     | 105.03 | -      | -    | 96.09 | 32.14 | 6.35 | 29.55 | 100 | 253 | P | H |
|                                                                  | *                                                                                           | 5670     | 97.05  | -      | -    | 88.11 | 32.14 | 6.35 | 29.55 | 100 | 253 | A | H |
|                                                                  |                                                                                             | 5728.775 | 59.75  | -8.45  | 68.2 | 50.72 | 32.21 | 6.37 | 29.55 | 100 | 253 | P | H |
|                                                                  |                                                                                             | 5417.9   | 47.94  | -26.06 | 74   | 39.49 | 31.85 | 6.14 | 29.54 | 101 | 128 | P | V |
|                                                                  |                                                                                             | 5462.35  | 48.41  | -19.79 | 68.2 | 39.9  | 31.87 | 6.18 | 29.54 | 101 | 128 | P | V |
|                                                                  |                                                                                             | 5457.45  | 40.22  | -13.78 | 54   | 31.71 | 31.87 | 6.18 | 29.54 | 101 | 128 | A | V |
|                                                                  | *                                                                                           | 5670     | 108.09 | -      | -    | 99.15 | 32.14 | 6.35 | 29.55 | 101 | 128 | P | V |
|                                                                  | *                                                                                           | 5670     | 99.85  | -      | -    | 90.91 | 32.14 | 6.35 | 29.55 | 101 | 128 | A | V |
|                                                                  |                                                                                             | 5727.515 | 59.57  | -8.63  | 68.2 | 50.54 | 32.21 | 6.37 | 29.55 | 101 | 128 | P | V |
| <b>Remark</b>                                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |      |       |       |      |       |     |     |   |   |



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

| WIFI<br>Ant.<br>4+5                  | 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                | 47.28               | -26.72                  | 74                          | 53.06                     | 40.48                         | 10.23                  | 56.49                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16530                | 45.8                | -22.4                   | 68.2                        | 49.29                     | 39.44                         | 12.79                  | 55.72                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11020                | 47.25               | -26.75                  | 74                          | 53.03                     | 40.48                         | 10.23                  | 56.49                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16530                | 46.39               | -21.81                  | 68.2                        | 49.88                     | 39.44                         | 12.79                  | 55.72                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |                                                                                             | 11100                | 47.29               | -26.71                  | 74                          | 53.1                      | 40.38                         | 10.27                  | 56.46                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 16650                | 46.78               | -21.42                  | 68.2                        | 50.24                     | 39.59                         | 12.77                  | 55.82                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11100                | 46.4                | -27.6                   | 74                          | 52.21                     | 40.38                         | 10.27                  | 56.46                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 16650                | 47.14               | -21.06                  | 68.2                        | 50.6                      | 39.59                         | 12.77                  | 55.82                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 134<br>5670MHz |                                                                                             | 11340                | 46.93               | -27.07                  | 74                          | 52.8                      | 40.1                          | 10.39                  | 56.36                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17010                | 47.31               | -20.89                  | 68.2                        | 50.67                     | 40.06                         | 12.7                   | 56.12                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11340                | 46.67               | -27.33                  | 74                          | 52.54                     | 40.1                          | 10.39                  | 56.36                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17010                | 47.29               | -20.91                  | 68.2                        | 50.65                     | 40.06                         | 12.7                   | 56.12                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>4+5                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5458.72              | 59.44               | -14.56                  | 74                          | 50.93                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 68                      | P                       | H               |
|                                        |                                                                                             | 5461.6               | 57.6                | -10.6                   | 68.2                        | 49.09                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 68                      | P                       | H               |
|                                        |                                                                                             | 5459.44              | 50.57               | -3.43                   | 54                          | 42.06                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 68                      | A                       | H               |
|                                        | *                                                                                           | 5530                 | 99.88               | -                       | -                           | 91.26                     | 31.92                         | 6.25                   | 29.55                      | 100                  | 68                      | P                       | H               |
|                                        | *                                                                                           | 5530                 | 91.38               | -                       | -                           | 82.76                     | 31.92                         | 6.25                   | 29.55                      | 100                  | 68                      | A                       | H               |
|                                        |                                                                                             | 5734.445             | 48.24               | -19.96                  | 68.2                        | 39.21                     | 32.21                         | 6.37                   | 29.55                      | 100                  | 68                      | P                       | H               |
|                                        |                                                                                             | 5456.8               | 60.19               | -13.81                  | 74                          | 51.68                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 111                     | P                       | V               |
|                                        |                                                                                             | 5468.32              | 58.13               | -10.07                  | 68.2                        | 49.6                      | 31.88                         | 6.19                   | 29.54                      | 100                  | 111                     | P                       | V               |
|                                        |                                                                                             | 5457.76              | 51.62               | -2.38                   | 54                          | 43.11                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 111                     | A                       | V               |
|                                        | *                                                                                           | 5530                 | 101.46              | -                       | -                           | 92.84                     | 31.92                         | 6.25                   | 29.55                      | 100                  | 111                     | P                       | V               |
|                                        | *                                                                                           | 5530                 | 93.24               | -                       | -                           | 84.62                     | 31.92                         | 6.25                   | 29.55                      | 100                  | 111                     | A                       | V               |
|                                        |                                                                                             | 5738.855             | 48.97               | -19.23                  | 68.2                        | 39.9                      | 32.24                         | 6.38                   | 29.55                      | 100                  | 111                     | P                       | V               |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5451.5               | 51.37               | -22.63                  | 74                          | 42.87                     | 31.87                         | 6.17                   | 29.54                      | 100                  | 51                      | P                       | H               |
|                                        |                                                                                             | 5470                 | 51.54               | -16.66                  | 68.2                        | 43.01                     | 31.88                         | 6.19                   | 29.54                      | 100                  | 51                      | P                       | H               |
|                                        |                                                                                             | 5450.45              | 43.61               | -10.39                  | 54                          | 35.11                     | 31.87                         | 6.17                   | 29.54                      | 100                  | 51                      | A                       | H               |
|                                        | *                                                                                           | 5610                 | 104.54              | -                       | -                           | 95.73                     | 32.04                         | 6.32                   | 29.55                      | 100                  | 51                      | P                       | H               |
|                                        | *                                                                                           | 5610                 | 95.83               | -                       | -                           | 87.02                     | 32.04                         | 6.32                   | 29.55                      | 100                  | 51                      | A                       | H               |
|                                        |                                                                                             | 5730.98              | 56.4                | -11.8                   | 68.2                        | 47.37                     | 32.21                         | 6.37                   | 29.55                      | 100                  | 51                      | P                       | H               |
|                                        |                                                                                             | 5459.9               | 51.93               | -22.07                  | 74                          | 43.42                     | 31.87                         | 6.18                   | 29.54                      | 100                  | 110                     | P                       | V               |
|                                        |                                                                                             | 5465.5               | 55.23               | -12.97                  | 68.2                        | 46.7                      | 31.88                         | 6.19                   | 29.54                      | 100                  | 110                     | P                       | V               |
|                                        |                                                                                             | 5443.8               | 44.99               | -9.01                   | 54                          | 36.51                     | 31.86                         | 6.16                   | 29.54                      | 100                  | 110                     | A                       | V               |
|                                        | *                                                                                           | 5610                 | 105.44              | -                       | -                           | 96.63                     | 32.04                         | 6.32                   | 29.55                      | 100                  | 110                     | P                       | V               |
|                                        | *                                                                                           | 5610                 | 97.23               | -                       | -                           | 88.42                     | 32.04                         | 6.32                   | 29.55                      | 100                  | 110                     | A                       | V               |
|                                        |                                                                                             | 5728.145             | 56.75               | -11.45                  | 68.2                        | 47.72                     | 32.21                         | 6.37                   | 29.55                      | 100                  | 110                     | P                       | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 3 5470~5725MHz

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

| WIFI<br>Ant.<br>4+5                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060                | 46.64               | -27.36                  | 74                          | 52.45                     | 40.42                         | 10.25                  | 56.48                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 16590                | 46.48               | -21.72                  | 68.2                        | 49.98                     | 39.5                          | 12.77                  | 55.77                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11060                | 47.37               | -26.63                  | 74                          | 53.18                     | 40.42                         | 10.25                  | 56.48                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 16590                | 46.67               | -21.53                  | 68.2                        | 50.17                     | 39.5                          | 12.77                  | 55.77                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220                | 46.28               | -27.72                  | 74                          | 52.12                     | 40.24                         | 10.33                  | 56.41                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 16830                | 46.74               | -21.46                  | 68.2                        | 50.18                     | 39.79                         | 12.73                  | 55.96                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11220                | 46.32               | -27.68                  | 74                          | 52.16                     | 40.24                         | 10.33                  | 56.41                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 16830                | 46.31               | -21.89                  | 68.2                        | 49.75                     | 39.79                         | 12.73                  | 55.96                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI                                  | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 4+5                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5457.64   | 47.54      | -26.46 | 74         | 39.03  | 31.87    | 6.18   | 29.54  | 105    | 73      | P     | H     |
|                                       |                                                                                             | 5465.44   | 47.75      | -20.45 | 68.2       | 39.22  | 31.88    | 6.19   | 29.54  | 105    | 73      | P     | H     |
|                                       |                                                                                             | 5459.98   | 38.44      | -15.56 | 54         | 29.93  | 31.87    | 6.18   | 29.54  | 105    | 73      | A     | H     |
|                                       | *                                                                                           | 5720      | 105.26     | -      | -          | 96.23  | 32.21    | 6.37   | 29.55  | 105    | 73      | P     | H     |
|                                       | *                                                                                           | 5720      | 98.06      | -      | -          | 89.03  | 32.21    | 6.37   | 29.55  | 105    | 73      | A     | H     |
|                                       |                                                                                             | 5871.5    | 49.21      | -18.99 | 68.2       | 39.88  | 32.43    | 6.46   | 29.56  | 105    | 73      | P     | H     |
|                                       |                                                                                             | 5428.78   | 48.6       | -25.4  | 74         | 40.13  | 31.86    | 6.15   | 29.54  | 100    | 125     | P     | V     |
|                                       |                                                                                             | 5467.39   | 47.09      | -21.11 | 68.2       | 38.56  | 31.88    | 6.19   | 29.54  | 100    | 125     | P     | V     |
|                                       |                                                                                             | 5459.2    | 38.48      | -15.52 | 54         | 29.97  | 31.87    | 6.18   | 29.54  | 100    | 125     | A     | V     |
|                                       | *                                                                                           | 5720      | 107.97     | -      | -          | 98.94  | 32.21    | 6.37   | 29.55  | 100    | 125     | P     | V     |
|                                       | *                                                                                           | 5720      | 99.63      | -      | -          | 90.6   | 32.21    | 6.37   | 29.55  | 100    | 125     | A     | V     |
|                                       |                                                                                             | 5926.5    | 49.18      | -19.02 | 68.2       | 39.74  | 32.5     | 6.5    | 29.56  | 100    | 125     | P     | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



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

| WIFI<br>Ant.<br>4+5                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 11440                | 47.43               | -26.57                  | 74                          | 53.34                   | 39.98                         | 10.43                  | 56.32                      | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             | 17160                | 48.62               | -19.58                  | 68.2                        | 51.58                   | 40.6                          | 12.86                  | 56.42                      | 100                  | 0                       | P                     | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                                                             | 11440                | 47.09               | -26.91                  | 74                          | 53                      | 39.98                         | 10.43                  | 56.32                      | 100                  | 0                       | P                     | V             |
|                                       |                                                                                             | 17160                | 48.65               | -19.55                  | 68.2                        | 51.61                   | 40.6                          | 12.86                  | 56.42                      | 100                  | 0                       | P                     | V             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



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

| WIFI<br>Ant.<br>4+5                            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11n<br/>HT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5436.19              | 49.04               | -24.96                  | 74                          | 40.56                   | 31.86                         | 6.16                   | 29.54                      | 100                  | 62                      | P                     | H             |
|                                                |                                                                                             | 5460.76              | 47.87               | -20.33                  | 68.2                        | 39.36                   | 31.87                         | 6.18                   | 29.54                      | 100                  | 62                      | P                     | H             |
|                                                |                                                                                             | 5459.2               | 39.35               | -14.65                  | 54                          | 30.84                   | 31.87                         | 6.18                   | 29.54                      | 100                  | 62                      | A                     | H             |
|                                                | *                                                                                           | 5720                 | 105.85              | -                       | -                           | 96.82                   | 32.21                         | 6.37                   | 29.55                      | 100                  | 62                      | P                     | H             |
|                                                | *                                                                                           | 5720                 | 98.57               | -                       | -                           | 89.54                   | 32.21                         | 6.37                   | 29.55                      | 100                  | 62                      | A                     | H             |
|                                                |                                                                                             | 5922                 | 49.12               | -19.08                  | 68.2                        | 39.68                   | 32.5                          | 6.5                    | 29.56                      | 100                  | 62                      | P                     | H             |
|                                                |                                                                                             | 5437.75              | 48.99               | -25.01                  | 74                          | 40.51                   | 31.86                         | 6.16                   | 29.54                      | 100                  | 129                     | P                     | V             |
|                                                |                                                                                             | 5465.83              | 48.59               | -19.61                  | 68.2                        | 40.06                   | 31.88                         | 6.19                   | 29.54                      | 100                  | 129                     | P                     | V             |
|                                                |                                                                                             | 5451.79              | 39.55               | -14.45                  | 54                          | 31.05                   | 31.87                         | 6.17                   | 29.54                      | 100                  | 129                     | A                     | V             |
|                                                | *                                                                                           | 5720                 | 106.99              | -                       | -                           | 97.96                   | 32.21                         | 6.37                   | 29.55                      | 100                  | 129                     | P                     | V             |
|                                                | *                                                                                           | 5720                 | 99.33               | -                       | -                           | 90.3                    | 32.21                         | 6.37                   | 29.55                      | 100                  | 129                     | A                     | V             |
|                                                |                                                                                             | 5861.75              | 49.51               | -18.69                  | 68.2                        | 40.21                   | 32.41                         | 6.45                   | 29.56                      | 100                  | 129                     | P                     | V             |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



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

| WIFI<br>Ant.<br>4+5                            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11n<br/>HT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 11440                | 47.02               | -26.98                  | 74                          | 52.93                   | 39.98                         | 10.43                  | 56.32                      | 100                  | 0                       | P                     | H             |
|                                                |                                                                                             | 17160                | 48.83               | -19.37                  | 68.2                        | 51.79                   | 40.6                          | 12.86                  | 56.42                      | 100                  | 0                       | P                     | H             |
|                                                |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                |                                                                                             | 11440                | 47.72               | -26.28                  | 74                          | 53.63                   | 39.98                         | 10.43                  | 56.32                      | 100                  | 0                       | P                     | V             |
|                                                |                                                                                             | 17160                | 48.22               | -19.98                  | 68.2                        | 51.18                   | 40.6                          | 12.86                  | 56.42                      | 100                  | 0                       | P                     | V             |
|                                                |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



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

| WIFI<br>Ant.<br>4+5                            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5430.73              | 47.93               | -26.07                  | 74                          | 39.46                     | 31.86                         | 6.15                   | 29.54                      | 100                  | 253                     | P                       | H               |
|                                                |                                                                                             | 5466.61              | 47.82               | -20.38                  | 68.2                        | 39.29                     | 31.88                         | 6.19                   | 29.54                      | 100                  | 253                     | P                       | H               |
|                                                |                                                                                             | 5449.06              | 39.89               | -14.11                  | 54                          | 31.39                     | 31.87                         | 6.17                   | 29.54                      | 100                  | 253                     | A                       | H               |
|                                                | *                                                                                           | 5710                 | 105.05              | -                       | -                           | 96.05                     | 32.19                         | 6.36                   | 29.55                      | 100                  | 253                     | P                       | H               |
|                                                | *                                                                                           | 5710                 | 97.28               | -                       | -                           | 88.28                     | 32.19                         | 6.36                   | 29.55                      | 100                  | 253                     | A                       | H               |
|                                                |                                                                                             | 5907.5               | 49.94               | -18.26                  | 68.2                        | 40.53                     | 32.48                         | 6.49                   | 29.56                      | 100                  | 253                     | P                       | H               |
|                                                |                                                                                             | 5423.71              | 48.06               | -25.94                  | 74                          | 39.61                     | 31.85                         | 6.14                   | 29.54                      | 100                  | 340                     | P                       | V               |
|                                                |                                                                                             | 5469.73              | 47.74               | -20.46                  | 68.2                        | 39.21                     | 31.88                         | 6.19                   | 29.54                      | 100                  | 340                     | P                       | V               |
|                                                |                                                                                             | 5427.61              | 40.37               | -13.63                  | 54                          | 31.91                     | 31.85                         | 6.15                   | 29.54                      | 100                  | 340                     | A                       | V               |
|                                                | *                                                                                           | 5710                 | 107.55              | -                       | -                           | 98.55                     | 32.19                         | 6.36                   | 29.55                      | 100                  | 340                     | P                       | V               |
|                                                | *                                                                                           | 5710                 | 99.59               | -                       | -                           | 90.59                     | 32.19                         | 6.36                   | 29.55                      | 100                  | 340                     | A                       | V               |
|                                                |                                                                                             | 5907.25              | 49.06               | -19.14                  | 68.2                        | 39.65                     | 32.48                         | 6.49                   | 29.56                      | 100                  | 340                     | P                       | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>4+5                            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 11420                | 46.27               | -27.73                  | 74                          | 52.18                     | 40                            | 10.42                  | 56.33                      | 100                  | 0                       | P                       | H               |
|                                                |                                                                                             | 17130                | 48.82               | -19.38                  | 68.2                        | 51.86                     | 40.48                         | 12.84                  | 56.36                      | 100                  | 0                       | P                       | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                                                             | 11420                | 48.05               | -25.95                  | 74                          | 53.96                     | 40                            | 10.42                  | 56.33                      | 100                  | 0                       | P                       | V               |
|                                                |                                                                                             | 17130                | 48.65               | -19.55                  | 68.2                        | 51.69                     | 40.48                         | 12.84                  | 56.36                      | 100                  | 0                       | P                       | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



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

| WIFI<br>Ant.<br>4+5                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5458.03              | 49.28               | -24.72                  | 74                          | 40.77                   | 31.87                         | 6.18                   | 29.54                      | 100                  | 63                      | P                     | H             |
|                                                  |                                                                                             | 5460.37              | 48.59               | -19.61                  | 68.2                        | 40.08                   | 31.87                         | 6.18                   | 29.54                      | 100                  | 63                      | P                     | H             |
|                                                  |                                                                                             | 5459.98              | 40.51               | -13.49                  | 54                          | 32                      | 31.87                         | 6.18                   | 29.54                      | 100                  | 63                      | A                     | H             |
|                                                  | *                                                                                           | 5690                 | 103.56              | -                       | -                           | 94.58                   | 32.17                         | 6.36                   | 29.55                      | 100                  | 63                      | P                     | H             |
|                                                  | *                                                                                           | 5690                 | 95.62               | -                       | -                           | 86.64                   | 32.17                         | 6.36                   | 29.55                      | 100                  | 63                      | A                     | H             |
|                                                  |                                                                                             | 5858.2               | 52.01               | -16.19                  | 68.2                        | 42.71                   | 32.41                         | 6.45                   | 29.56                      | 100                  | 63                      | P                     | H             |
|                                                  |                                                                                             | 5389                 | 47.59               | -26.41                  | 74                          | 39.17                   | 31.83                         | 6.12                   | 29.53                      | 100                  | 127                     | P                     | V             |
|                                                  |                                                                                             | 5461.54              | 48.13               | -20.07                  | 68.2                        | 39.62                   | 31.87                         | 6.18                   | 29.54                      | 100                  | 127                     | P                     | V             |
|                                                  |                                                                                             | 5459.59              | 40.92               | -13.08                  | 54                          | 32.41                   | 31.87                         | 6.18                   | 29.54                      | 100                  | 127                     | A                     | V             |
|                                                  | *                                                                                           | 5690                 | 105.82              | -                       | -                           | 96.84                   | 32.17                         | 6.36                   | 29.55                      | 100                  | 127                     | P                     | V             |
|                                                  | *                                                                                           | 5690                 | 97.65               | -                       | -                           | 88.67                   | 32.17                         | 6.36                   | 29.55                      | 100                  | 127                     | A                     | V             |
|                                                  |                                                                                             | 5855.5               | 51.23               | -16.97                  | 68.2                        | 41.94                   | 32.41                         | 6.44                   | 29.56                      | 100                  | 127                     | P                     | V             |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



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

| WIFI<br>Ant.<br>4+5                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 11380                | 46.1                | -27.9                   | 74                          | 52                      | 40.04                         | 10.41                  | 56.35                      | 100                  | 0                       | P                     | H             |
|                                                  |                                                                                             | 17070                | 47.42               | -20.78                  | 68.2                        | 50.65                   | 40.24                         | 12.77                  | 56.24                      | 100                  | 0                       | P                     | H             |
|                                                  |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                  |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                                  |                                                                                             | 11380                | 46.51               | -27.49                  | 74                          | 52.41                   | 40.04                         | 10.41                  | 56.35                      | 100                  | 0                       | P                     | V             |
|                                                  |                                                                                             | 17070                | 47.77               | -20.43                  | 68.2                        | 51                      | 40.24                         | 12.77                  | 56.24                      | 100                  | 0                       | P                     | V             |
|                                                  |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                                  |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

## Emission below 1GHz

**WIFI 802.11n HT40 (LF @ 3m)**

| WIFI                          | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                          |                                                                            |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 4+5                           |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br><br>HT40<br><br>LF |                                                                            | 94.99     | 28.25      | -15.25 | 43.5       | 44.69  | 15       | 0.78   | 32.22  | -      | -       | P     | H     |
|                               |                                                                            | 129.91    | 30.05      | -13.45 | 43.5       | 43.96  | 17.3     | 0.98   | 32.19  | -      | -       | P     | H     |
|                               |                                                                            | 190.05    | 30         | -13.5  | 43.5       | 46.54  | 14.4     | 1.21   | 32.15  | -      | -       | P     | H     |
|                               |                                                                            | 571.26    | 27.55      | -18.45 | 46         | 32.17  | 25.55    | 2.05   | 32.22  | -      | -       | P     | H     |
|                               |                                                                            | 739.07    | 32.31      | -13.69 | 46         | 34.34  | 27.66    | 2.32   | 32.01  | -      | -       | P     | H     |
|                               |                                                                            | 949.56    | 33.66      | -12.34 | 46         | 31.52  | 30.47    | 2.66   | 30.99  | 100    | 0       | P     | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                               |                                                                            | 41.64     | 33.19      | -6.81  | 40         | 46.45  | 18.51    | 0.52   | 32.29  | 100    | 0       | P     | V     |
|                               |                                                                            | 66.86     | 31.67      | -8.33  | 40         | 51.42  | 11.86    | 0.65   | 32.26  | -      | -       | P     | V     |
|                               |                                                                            | 119.24    | 28.44      | -15.06 | 43.5       | 42.59  | 17.1     | 0.95   | 32.2   | -      | -       | P     | V     |
|                               |                                                                            | 568.35    | 27.63      | -18.37 | 46         | 32.18  | 25.63    | 2.04   | 32.22  | -      | -       | P     | V     |
|                               |                                                                            | 832.19    | 32.6       | -13.4  | 46         | 33.44  | 28.34    | 2.56   | 31.74  | -      | -       | P     | V     |
|                               |                                                                            | 956.35    | 33.86      | -12.14 | 46         | 31.48  | 30.63    | 2.68   | 30.93  | -      | -       | P     | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## &lt;Wireless Charging Mode&gt;

## Band 1 - 5150~5250MHz

## WIFI 802.11n HT40 (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.  |
|-------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 4+5                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 5147.42   | 57.49      | -16.51     | 74         | 49.21      | 31.69          | 6.08      | 29.49         | 192     | 292       | P         | H     |
|                                     |                                                                                             | 5150      | 51.93      | -2.07      | 54         | 43.65      | 31.69          | 6.08      | 29.49         | 192     | 292       | A         | H     |
|                                     | *                                                                                           | 5190      | 101.48     | -          | -          | 93.16      | 31.71          | 6.1       | 29.49         | 192     | 292       | P         | H     |
|                                     | *                                                                                           | 5190      | 94.73      | -          | -          | 86.41      | 31.71          | 6.1       | 29.49         | 192     | 292       | A         | H     |
|                                     |                                                                                             | 5448.24   | 48.22      | -25.78     | 74         | 39.72      | 31.87          | 6.17      | 29.54         | 192     | 292       | P         | H     |
|                                     |                                                                                             | 5454.96   | 40.11      | -13.89     | 54         | 31.61      | 31.87          | 6.17      | 29.54         | 192     | 292       | A         | H     |
|                                     |                                                                                             | 5149.5    | 57.3       | -16.7      | 74         | 49.02      | 31.69          | 6.08      | 29.49         | 271     | 26        | P         | V     |
|                                     |                                                                                             | 5150      | 52.46      | -1.54      | 54         | 44.18      | 31.69          | 6.08      | 29.49         | 271     | 26        | A         | V     |
|                                     | *                                                                                           | 5190      | 103.06     | -          | -          | 94.74      | 31.71          | 6.1       | 29.49         | 271     | 26        | P         | V     |
|                                     | *                                                                                           | 5190      | 95.91      | -          | -          | 87.59      | 31.71          | 6.1       | 29.49         | 271     | 26        | A         | V     |
|                                     |                                                                                             | 5379.64   | 47.9       | -26.1      | 74         | 39.48      | 31.83          | 6.12      | 29.53         | 271     | 26        | P         | V     |
|                                     |                                                                                             | 5447.4    | 39.98      | -14.02     | 54         | 31.48      | 31.87          | 6.17      | 29.54         | 271     | 26        | 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>4+5                           | 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 38<br/>5190MHz</b> |                                                                                             | 10380                | 45.62               | -22.58                  | 68.2                        | 52.86                   | 39.79                         | 9.92                   | 56.95                      | 100                  | 0                       | P                     | H             |
|                                               |                                                                                             | 15570                | 44.93               | -29.07                  | 74                          | 50.36                   | 38.53                         | 12.66                  | 56.62                      | 100                  | 0                       | P                     | H             |
|                                               |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                               |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                               |                                                                                             | 10380                | 45.22               | -22.98                  | 68.2                        | 52.46                   | 39.79                         | 9.92                   | 56.95                      | 100                  | 0                       | P                     | V             |
|                                               |                                                                                             | 15570                | 45.08               | -28.92                  | 74                          | 50.51                   | 38.53                         | 12.66                  | 56.62                      | 100                  | 0                       | P                     | V             |
|                                               |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                               |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 1 5150~5250MHz

## Emission below 1GHz

## WIFI 802.11n HT40 (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.  |
|-----------------------|----------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 4+5                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11n<br>HT40<br>LF |                                                                            | 30        | 23.04      | -16.96     | 40         | 30.17      | 24.7           | 0.46      | 32.29         | -       | -         | P         | H     |
|                       |                                                                            | 124.09    | 33.64      | -9.86      | 43.5       | 47.67      | 17.2           | 0.96      | 32.19         | 100     | 0         | P         | H     |
|                       |                                                                            | 181.32    | 32.67      | -10.83     | 43.5       | 49.15      | 14.5           | 1.17      | 32.15         | -       | -         | P         | H     |
|                       |                                                                            | 478.14    | 28.63      | -17.37     | 46         | 35.83      | 23.16          | 1.81      | 32.17         | -       | -         | P         | H     |
|                       |                                                                            | 744.89    | 32.09      | -13.91     | 46         | 33.97      | 27.8           | 2.32      | 32            | -       | -         | P         | H     |
|                       |                                                                            | 936.95    | 35.02      | -10.98     | 46         | 33.65      | 29.82          | 2.65      | 31.1          | -       | -         | P         | H     |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|                       |                                                                            |           |            |            |            |            |                |           |               |         |           |           | H     |
|                       |                                                                            | 39.7      | 33.75      | -6.25      | 40         | 45.91      | 19.61          | 0.52      | 32.29         | 100     | 0         | P         | V     |
|                       |                                                                            | 62.98     | 30.16      | -9.84      | 40         | 50.31      | 11.5           | 0.62      | 32.27         | -       | -         | P         | V     |
|                       |                                                                            | 121.18    | 30.42      | -13.08     | 43.5       | 44.55      | 17.12          | 0.95      | 32.2          | -       | -         | P         | V     |
|                       |                                                                            | 260.86    | 29.69      | -16.31     | 46         | 40.79      | 19.68          | 1.37      | 32.15         | -       | -         | P         | V     |
|                       |                                                                            | 584.84    | 33.72      | -12.28     | 46         | 38.56      | 25.3           | 2.09      | 32.23         | -       | -         | P         | V     |
|                       |                                                                            | 889.42    | 34.56      | -11.44     | 46         | 34.81      | 28.6           | 2.61      | 31.46         | -       | -         | 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.    |         |
| 4+5     |      | ( 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 Plots

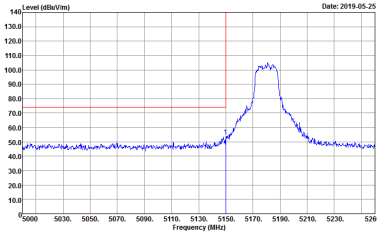
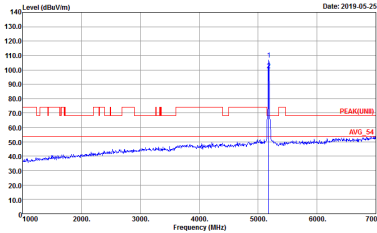
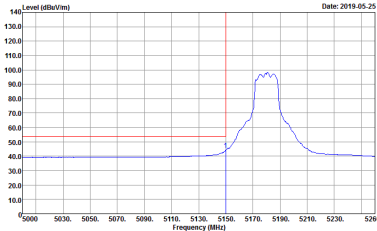
|                 |                                |                     |         |
|-----------------|--------------------------------|---------------------|---------|
| Test Engineer : | Andy Yang, JC Liang, Wilson Wu | Temperature :       | 25~25°C |
|                 |                                | Relative Humidity : | 48~50%  |

### Note symbol

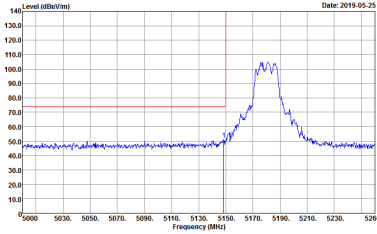
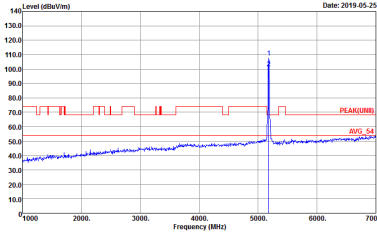
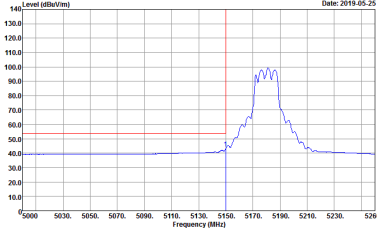
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



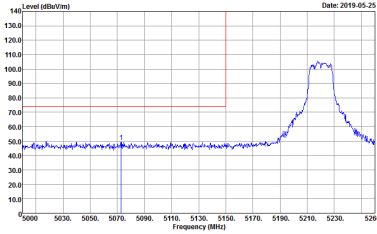
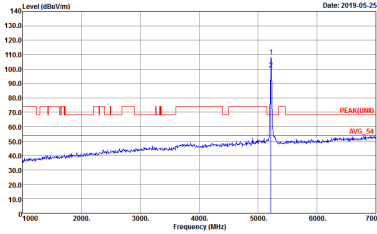
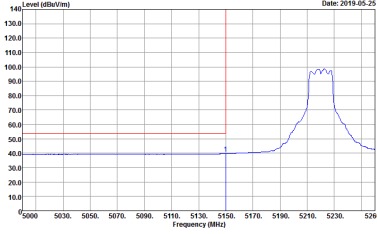
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                             |
| 4+5  | Horizontal                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 1<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 1<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 1<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                  |

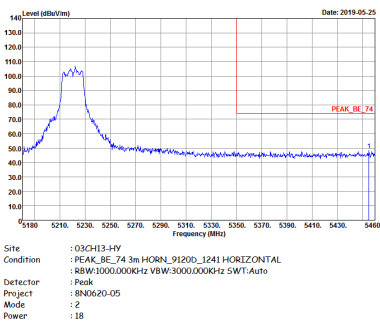
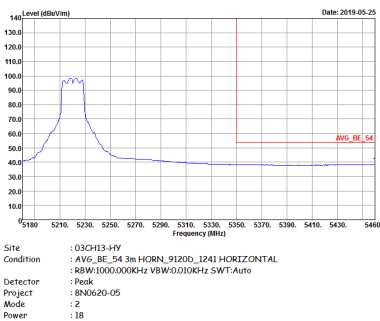


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                  |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 1<br/>Power : 18</p></div>  | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 1<br/>Power : 18</p></div> |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 1<br/>Power : 18</p></div> | Left blank                                                                                                                                                                                                                                                                                       |

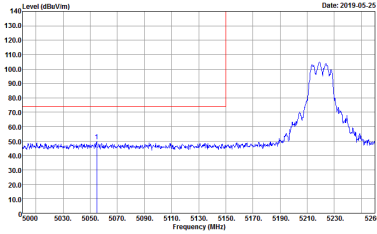
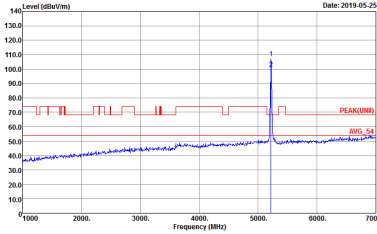
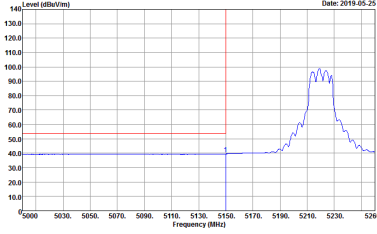


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                            |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 2<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 2<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 2<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                                                 |

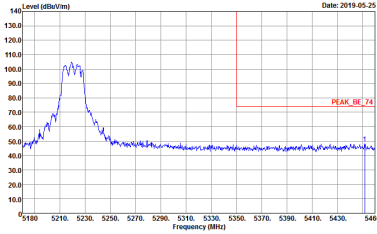
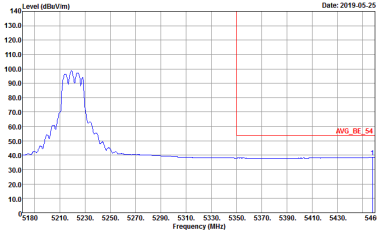


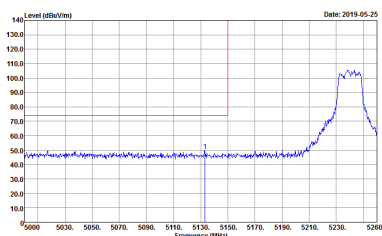
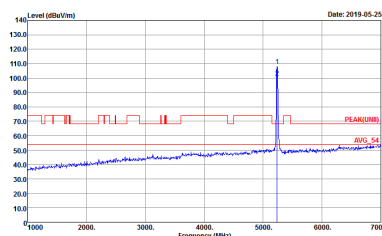
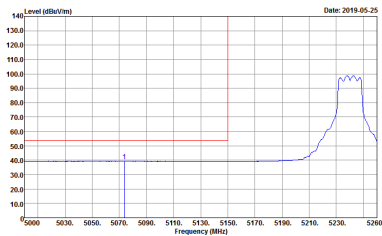
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                    |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 2<br/>Power : 18</p>  | Left blank  |
| Avg. |  <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 2<br/>Power : 18</p> | Left blank  |

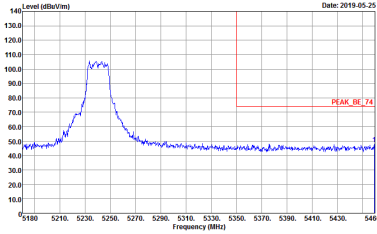
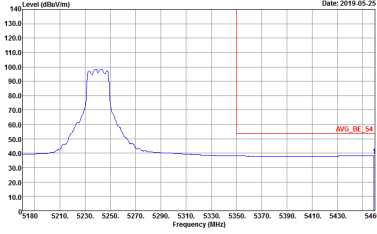


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                          |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 8N0620-05<br/>Power : 2<br/>: 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 8N0620-05<br/>Power : 2<br/>: 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 8N0620-05<br/>Power : 2<br/>: 18</p> | Left blank                                                                                                                                                                                                                                                                               |

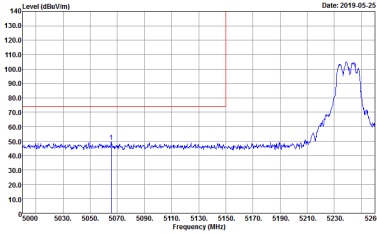
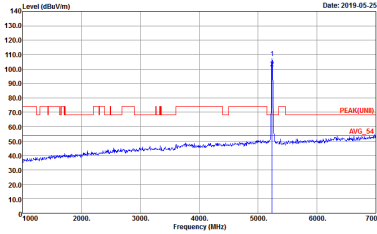
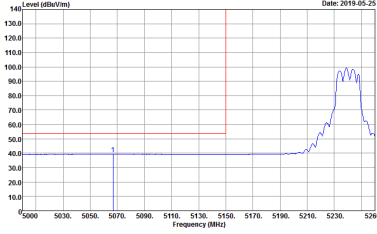


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                  |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                            |             |
| 4+5  | Vertical                                                                                                                                                                                                                                            | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 2<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 2<br/>Power : 18</p></div> | Left blank  |

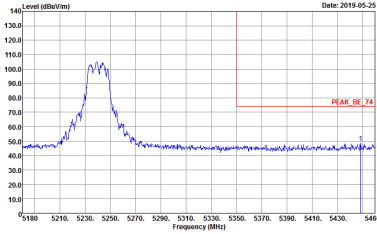
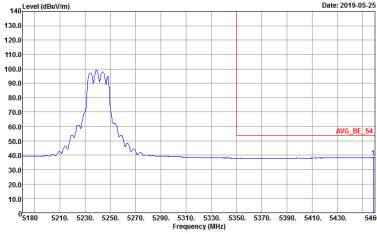
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |
| 4+5  | Horizontal                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 3<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 3<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 3<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                  |

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                     |             |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT         | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                                                                                               |             |
| 4+5         | Horizontal                                                                                                                                                                                                                                                                                                             | Fundamental |
| <b>Peak</b> |  <p>           Site : 03CH13-HV<br/>           Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 3<br/>           Power : 18         </p>  | Left blank  |
| <b>Avg.</b> |  <p>           Site : 03CH13-HV<br/>           Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 3<br/>           Power : 18         </p> | Left blank  |

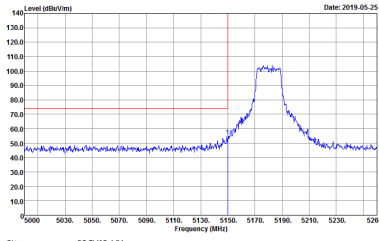
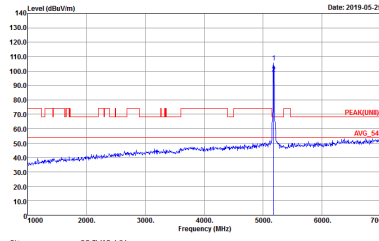
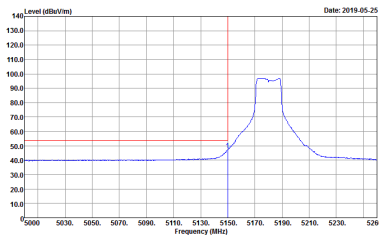


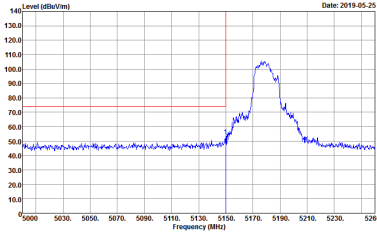
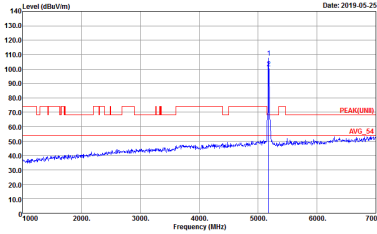
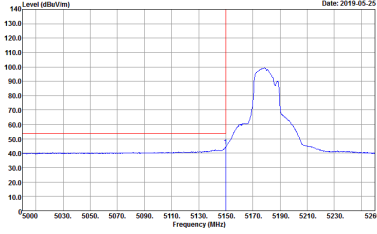
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                          |
| 4+5  | Vertical                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 3<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 3<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 3<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                                               |



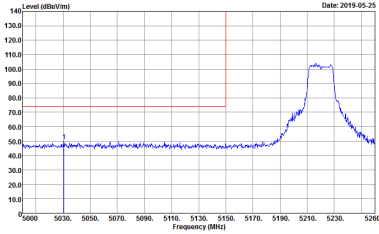
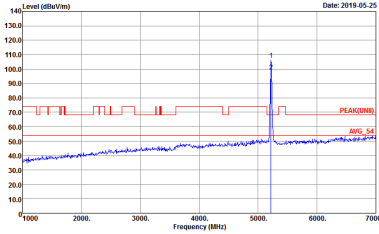
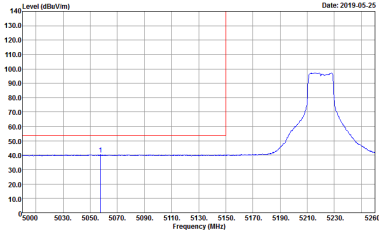
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                  |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH48 5240MHz - R                                                                                                                                                                                                                            |             |
| 4+5  | Vertical                                                                                                                                                                                                                                            | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 3<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 3<br/>Power : 18</p></div> | Left blank  |

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

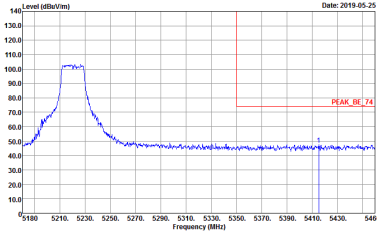
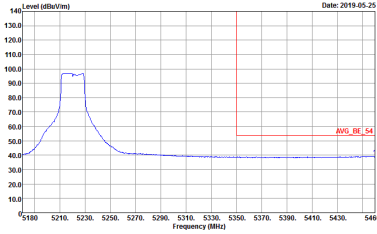
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                     |
| 4+5         | Horizontal                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                         |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 11<br/> Power : 18.5</p>  |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 11<br/> Power : 18.5</p> |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/> Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 11<br/> Power : 18.5</p> | <b>Left blank</b>                                                                                                                                                                                                                                   |

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                    |                                                                                                                                                                                                                                              |
| 4+5         | Vertical                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                  |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 11<br/>Power : 18.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 11<br/>Power : 18.5</p> |
|             |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 11<br/>Power : 18.5</p> | <b>Left blank</b>                                                                                                                                                                                                                            |

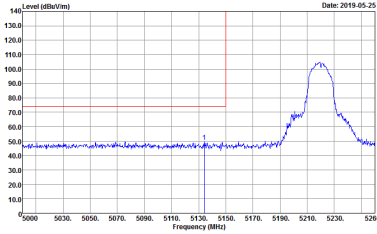
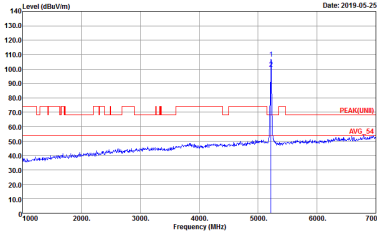
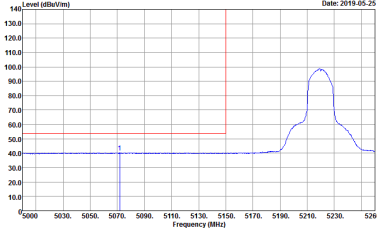


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                        |
| 4+5  | Horizontal                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 12<br/>Power : 18</p></div>  | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 12<br/>Power : 18</p></div> |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 12<br/>Power : 18</p></div> | Left blank                                                                                                                                                                                                                                             |

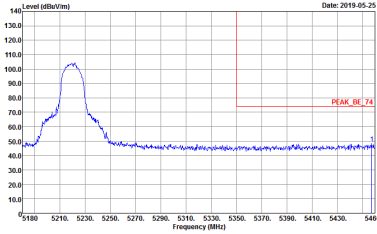
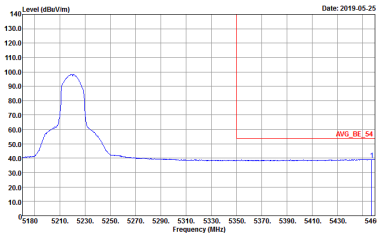


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                          |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 12<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 12<br/>Power : 18</p></div> | Left blank  |

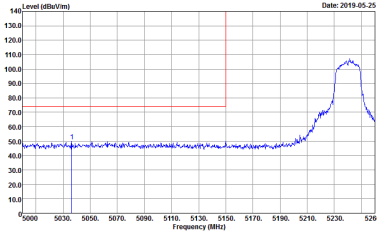
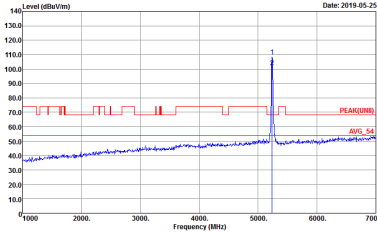
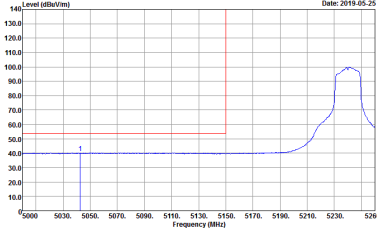


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                           |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |
| 4+5  | Vertical                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 12<br/>Power : 18</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 12<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 12<br/>Power : 18</p>   | Left blank                                                                                                                                                                                                                                                                |

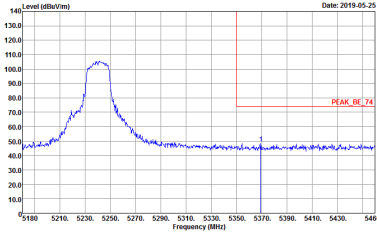
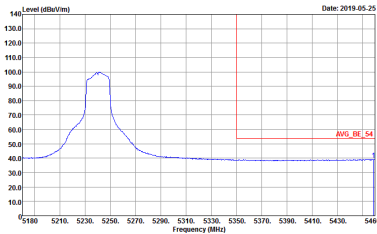


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                                      |             |
| 4+5  | Vertical                                                                                                                                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 12<br/>Power : 18</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 12<br/>Power : 18</p></div>   | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                       |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : RN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : RN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div> |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : RN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div>   | Left blank                                                                                                                                                                                                                                                                                            |

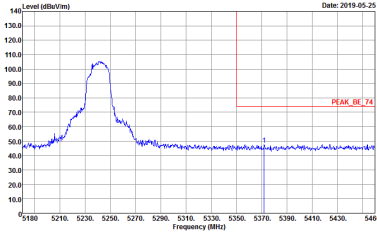
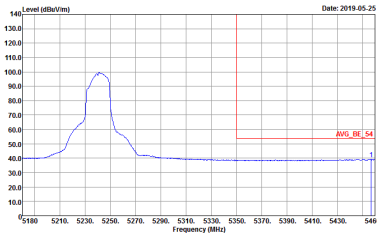


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                       |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                            |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div> | Left blank  |

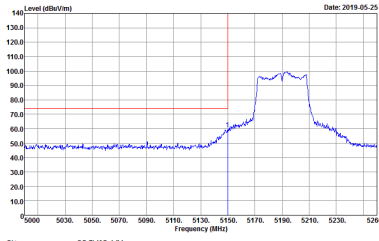
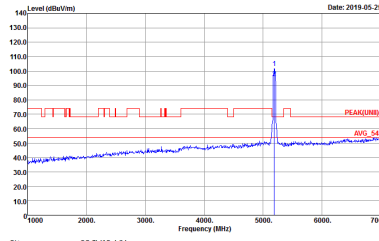
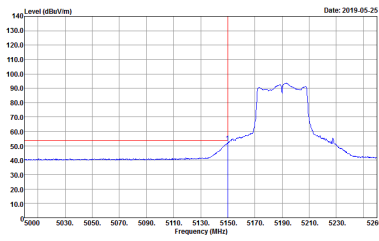


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                     |                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                          |                                                                                                                                                                                                        |
| 4+5  | Vertical                                                                                                                                                                                               | Fundamental                                                                                                                                                                                            |
| Peak | <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p>     | Left blank                                                                                                                                                                                             |

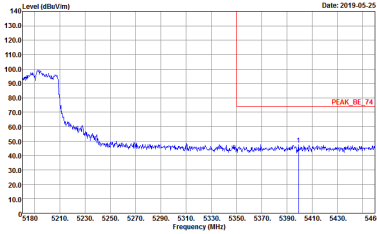
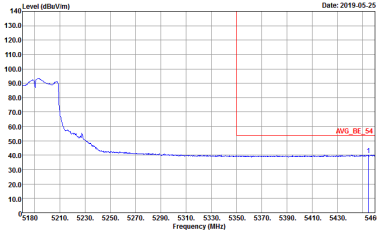


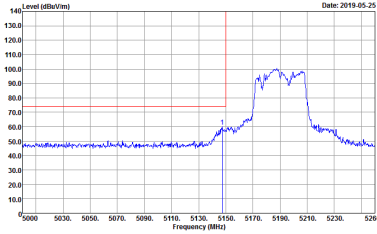
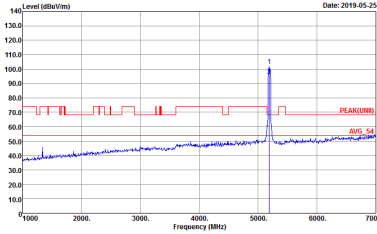
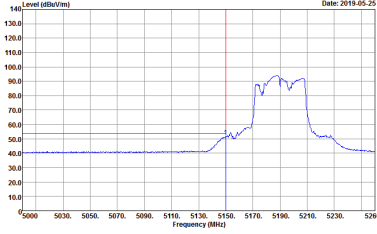
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                                          |             |
| 4+5  | Vertical                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div> | Left blank  |

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

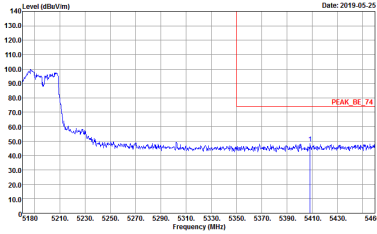
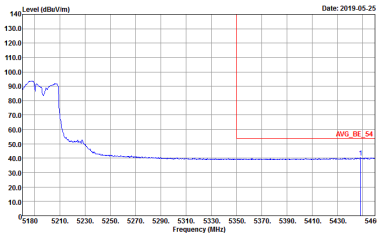
| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                   |
| 4+5         | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                       |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : Z1<br/> Power : 15</p>  |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : Z1<br/> Power : 15</p> |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/> Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : Z1<br/> Power : 15</p> | <b>Left blank</b>                                                                                                                                                                                                                                 |



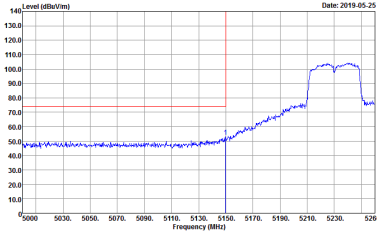
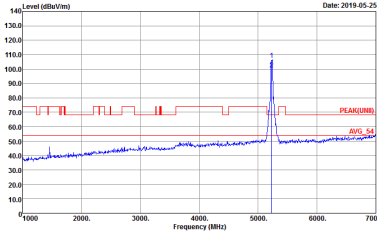
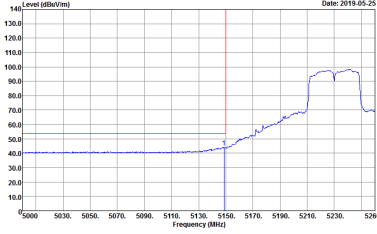
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                          |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z1<br/>Power : 15</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z1<br/>Power : 15</p></div> | Left blank  |

| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                       |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : Z1<br/>           Power : 15         </p>  |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : Z1<br/>           Power : 15         </p> |
| Avg. |  <p>           Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : Z1<br/>           Power : 15         </p> | Left blank                                                                                                                                                                                                                                                                                                            |

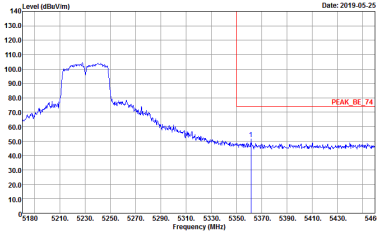
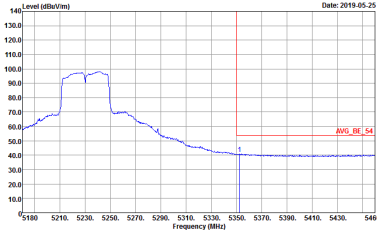


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                        |             |
| 4+5  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z1<br/>Power : 15</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z1<br/>Power : 15</p></div> | Left blank  |

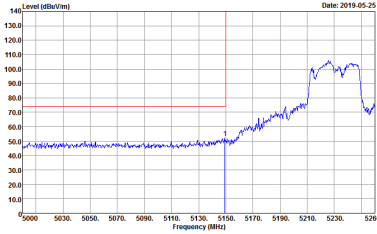
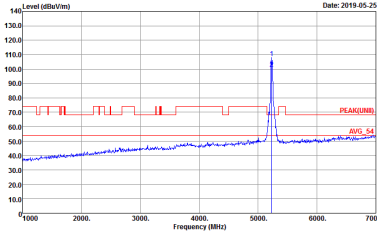
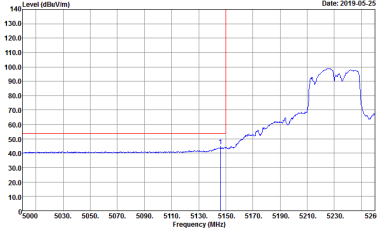


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| 4+5  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p> | Left blank                                                                                                                                                                                                                                   |

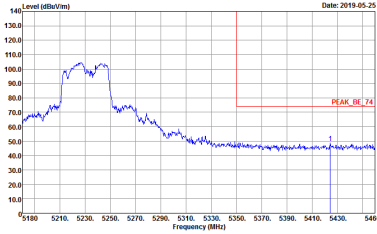
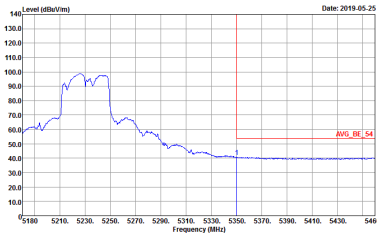


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                          |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div> | Left blank  |

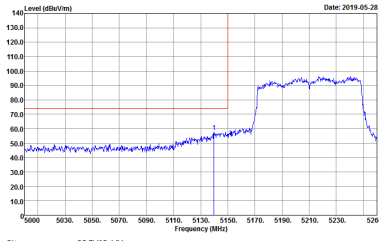
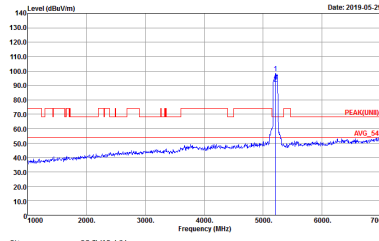
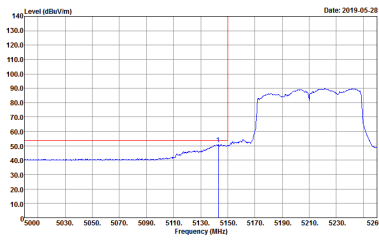


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |
| 4+5  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p> | Left blank                                                                                                                                                                                                                                 |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                        |             |
| 4+5  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div> | Left blank  |

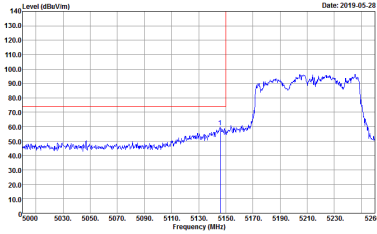
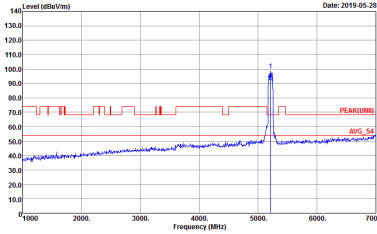
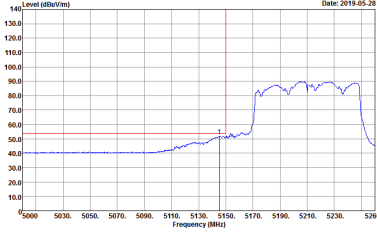
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
| 4+5         | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                       |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 29<br/> Power : 14</p>  |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 29<br/> Power : 14</p> |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/> Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 29<br/> Power : 14</p> | <b>Left blank</b>                                                                                                                                                                                                                                 |

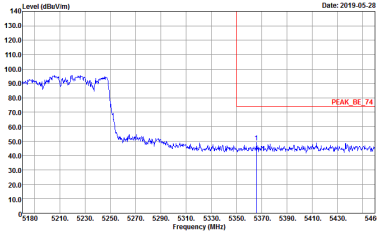
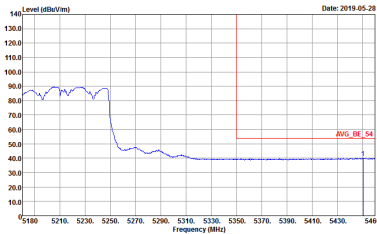


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                   |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                      |             |
| 4+5  | Horizontal                                                                                                                                                           | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z9<br/>Power : 14</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z9<br/>Power : 14</p></div>  | Left blank  |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                                                                            |                                                                                                                                                                                                                                            |
| 4+5  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 29<br/>Power : 14</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 29<br/>Power : 14</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 29<br/>Power : 14</p> | Left blank                                                                                                                                                                                                                                 |



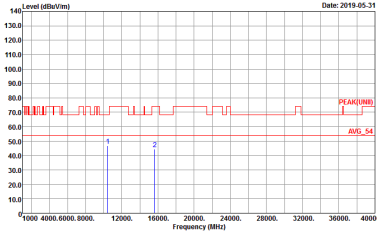
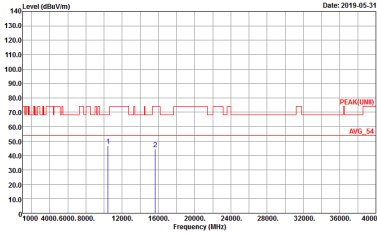
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                      |             |
| 4+5  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z9<br/>Power : 14</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z9<br/>Power : 14</p></div> | Left blank  |



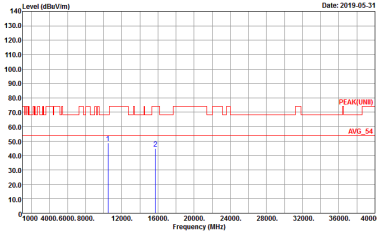
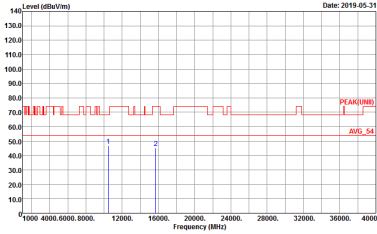
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                       | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                   |                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                        | 802.11a CH36 5180MHz                                                                                                                                                |                                                                                                                                                                   |
| 4+5                        | Horizontal                                                                                                                                                          | Vertical                                                                                                                                                          |
| <b>Peak</b><br><b>Avg.</b> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 1<br/>Power : 18</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 1<br/>Power : 18</p></div> |
|                            |                                                                                                                                                                     |                                                                                                                                                                   |

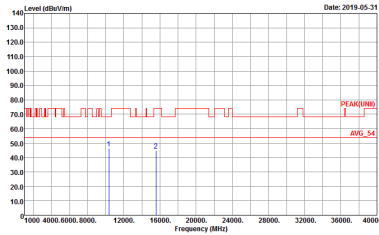
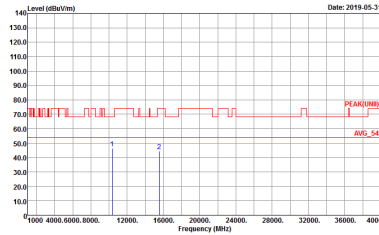


|              |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
| ANT          | 802.11a CH44 5220MHz                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                      |
| 4+5          | Horizontal                                                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                                                             |
| Peak<br>Avg. | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 2<br/>Power : 18</p></div> | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 2<br/>Power : 18</p></div> |

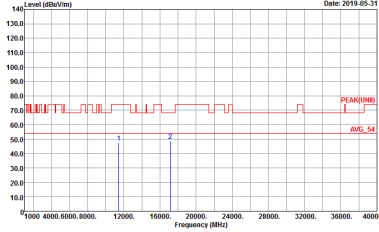
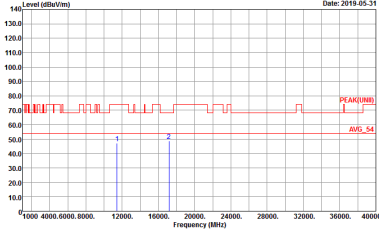


|              |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                     |
| ANT          | 802.11a CH48 5240MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                     |
| 4+5          | Horizontal                                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 3<br/>Power : 18</p></div> | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 3<br/>Power : 18</p></div> |

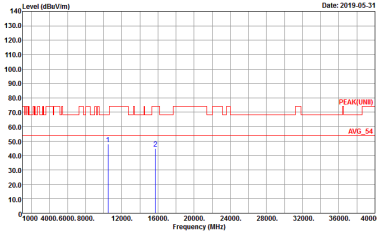
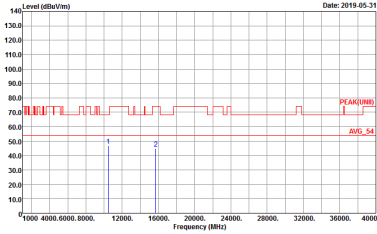
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH36 5180MHz                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                         |
| 4+5                            | Horizontal                                                                                                                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                                                                                                                |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 8N0620-05<br/>           Mode : 11<br/>           Power : 18.5         </p> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 8N0620-05<br/>           Mode : 11<br/>           Power : 18.5         </p> |

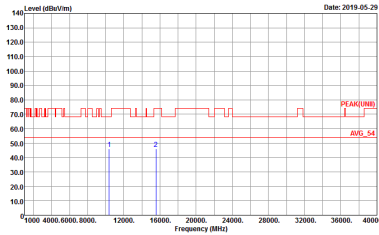
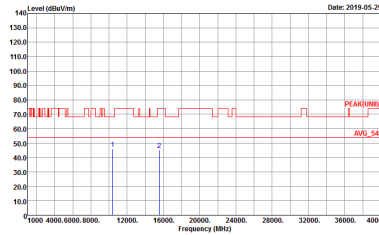


| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH44 5220MHz                                                                                                                                                                                                                   |                                                                                                                                                                                                                                            |
| 4+5          | Horizontal                                                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                                                   |
| Peak<br>Avg. |  <p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 12<br/>Power : 18</p> |  <p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 12<br/>Power : 18</p> |
|              |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                            |

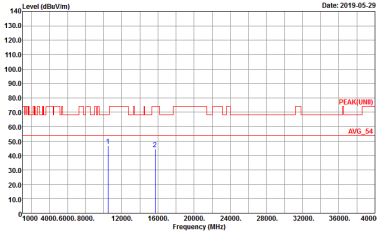
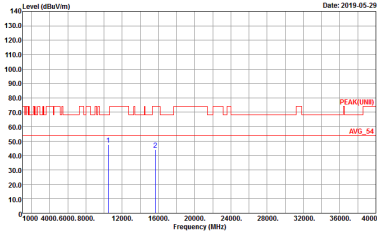


|              |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
| ANT          | 802.11n HT20 CH48 5240MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
| 4+5          | Horizontal                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UWB) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div> | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UWB) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 13<br/>Power : 18.5</p></div> |

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

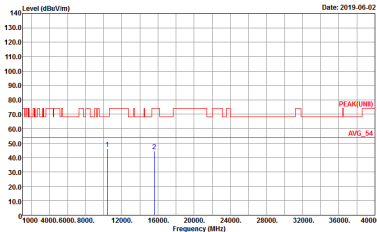
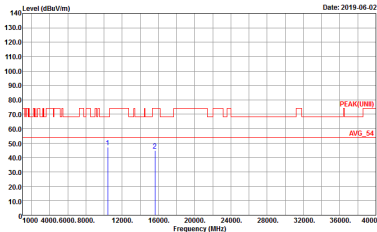
| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH38 5190MHz                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                       |
| 4+5                            | Horizontal                                                                                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 21<br/>           Power : 15         </p> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 21<br/>           Power : 15         </p> |



|              |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
| ANT          | 802.11n HT40 CH46 5230MHz                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                      |
| 4+5          | Horizontal                                                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                                                             |
| Peak<br>Avg. | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : 20</p></div> | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : 20</p></div> |

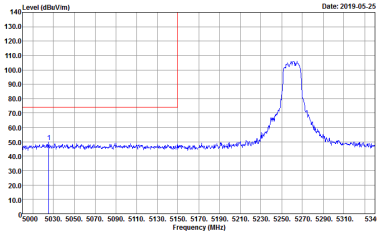
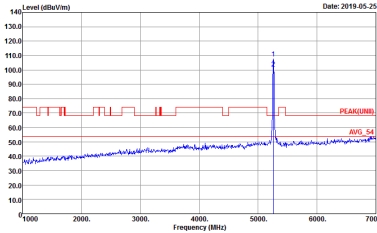
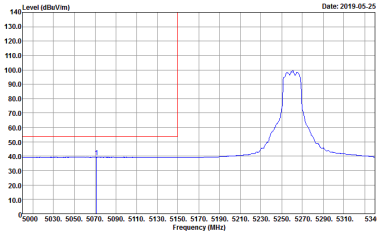


**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

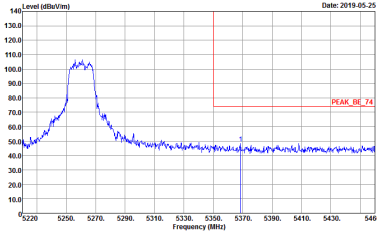
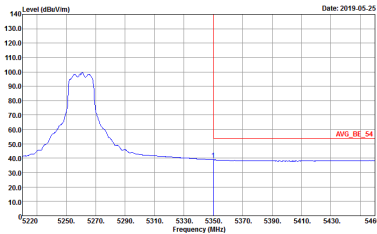
| WIFI                       | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                        | 802.11ac VHT80 CH42 5210MHz                                                                                                                                                                                                                 |                                                                                                                                                                                                                                            |
| 4+5                        | Horizontal                                                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                                                   |
| <b>Peak</b><br><b>Avg.</b> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 29<br/>Power : 14</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 29<br/>Power : 14</p> |
|                            |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                            |



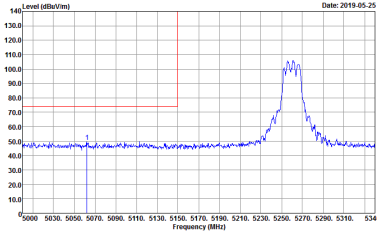
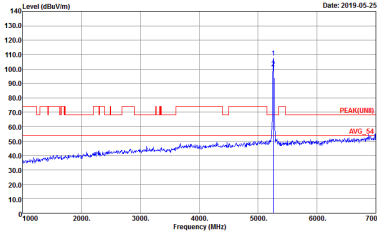
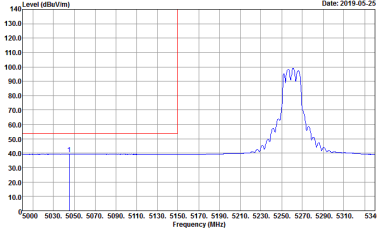
Band 2 - 5250~5350MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                            |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 4<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 4<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 4<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                                                 |

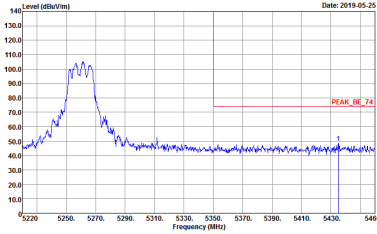
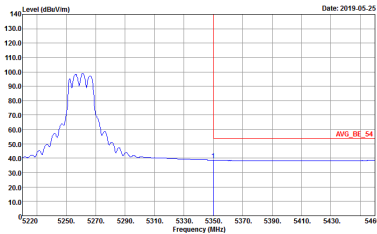


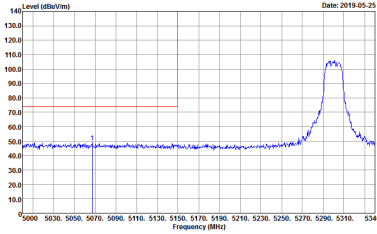
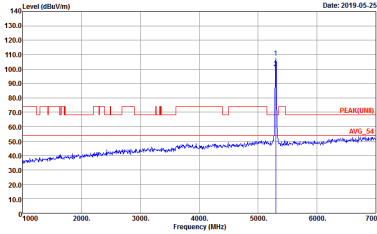
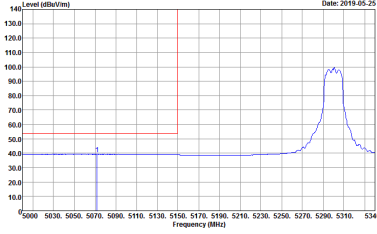
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                 |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                                           |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                                         | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 4<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 4<br/>Power : 18</p></div> | Left blank  |



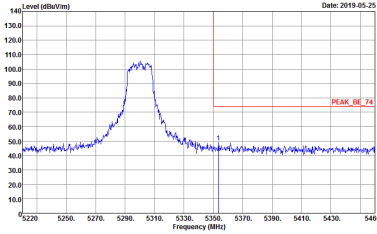
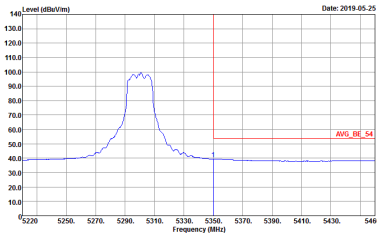
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                     |
| 4+5  | Vertical                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                         |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 4<br/>Power : 18</p></div>  | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 4<br/>Power : 18</p></div> |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 4<br/>Power : 18</p></div> | Left blank                                                                                                                                                                                                                                          |

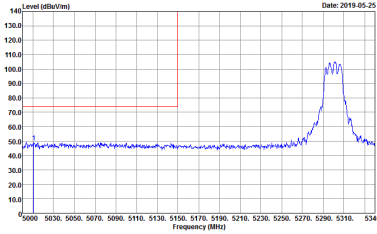
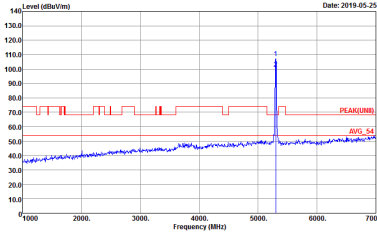
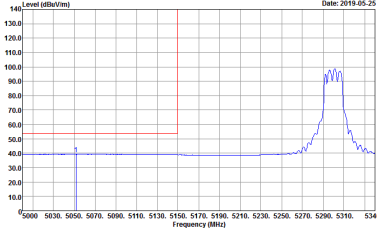


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                  |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                            |             |
| 4+5  | Vertical                                                                                                                                                                                                                                            | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 4<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 4<br/>Power : 18</p></div> | Left blank  |

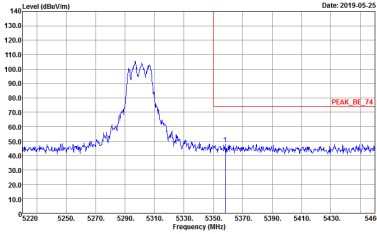
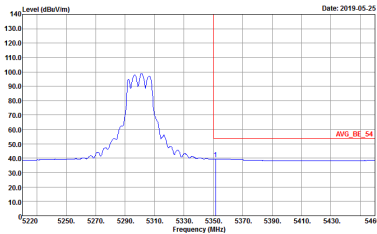
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |
| 4+5  | Horizontal                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                  |

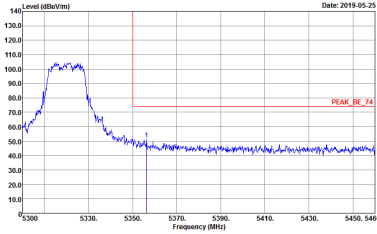
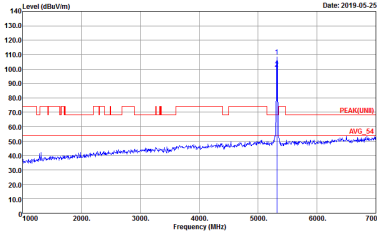
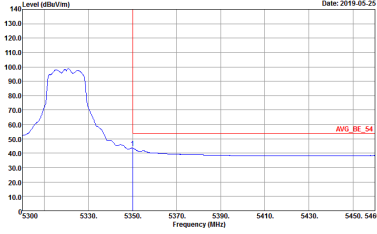


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                 |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                                                                           |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                                         | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p></div> | Left blank  |

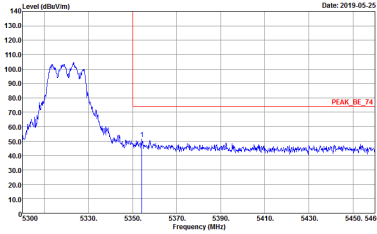
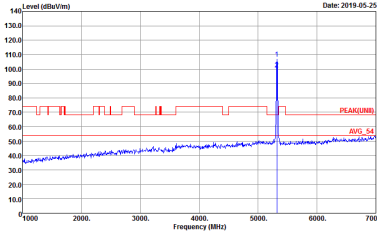
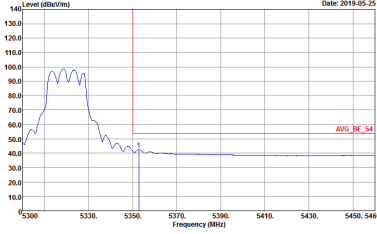
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                  |                                                                                                                                                                                                                                           |
| 4+5  | Vertical                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                |



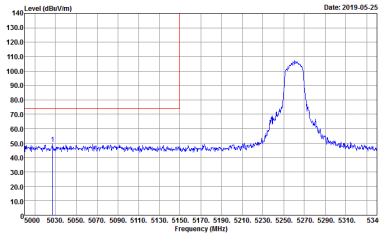
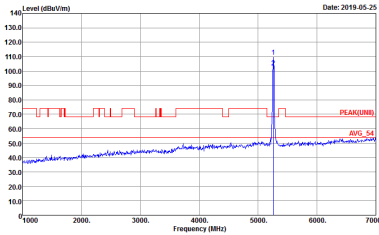
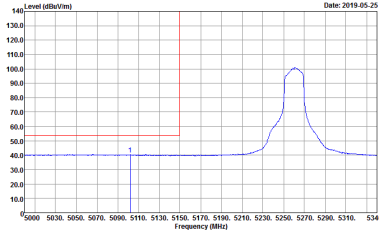
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                  |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                            |             |
| 4+5  | Vertical                                                                                                                                                                                                                                            | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p></div> | Left blank  |

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH64 5320MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                             |
| 4+5         | Horizontal                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                 |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p> |
|             |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p> | <b>Left blank</b>                                                                                                                                                                                                                           |

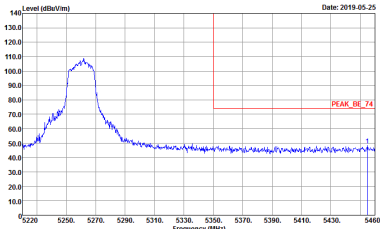
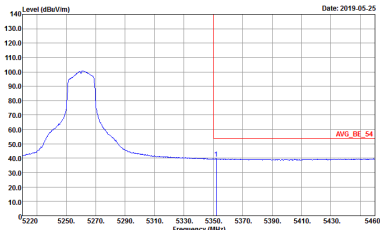


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                        |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                        |
| 4+5  | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(FUND) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                                                             |

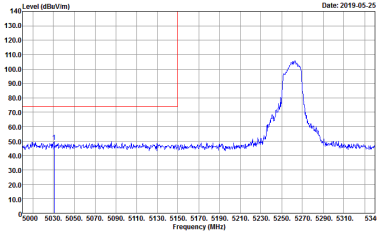
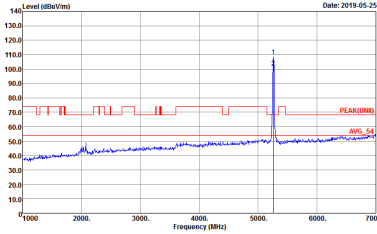
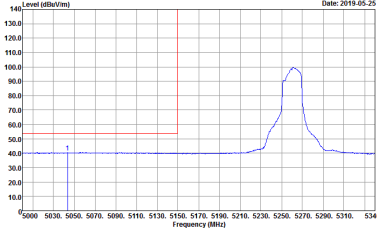
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                         |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                         |
| 4+5         | Horizontal                                                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                                                             |
| <b>Peak</b> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 8N0620-05<br/>           Mode : 14<br/>           Power : 18         </p>  |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 8N0620-05<br/>           Mode : 14<br/>           Power : 18         </p> |
| <b>Avg.</b> |  <p>           Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 8N0620-05<br/>           Mode : 14<br/>           Power : 18         </p> | <b>Left blank</b>                                                                                                                                                                                                                                                                                                       |

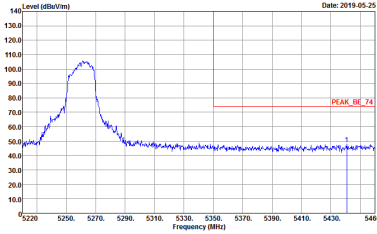
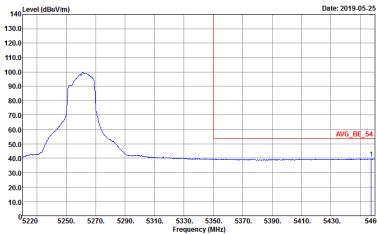


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                          |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p></div> | Left blank  |

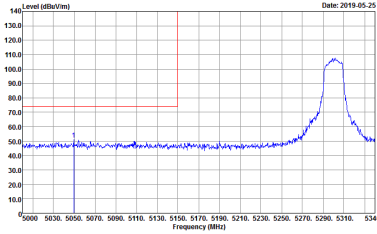
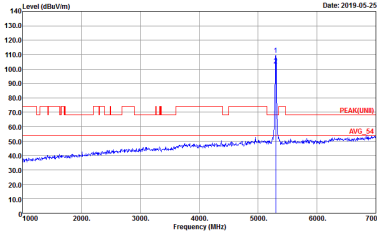
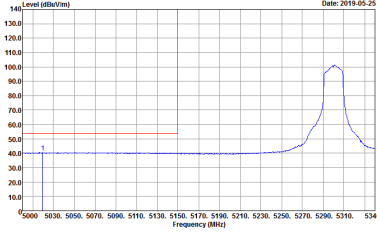


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH52 5260MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |
| 4+5  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p> | Left blank                                                                                                                                                                                                                                 |

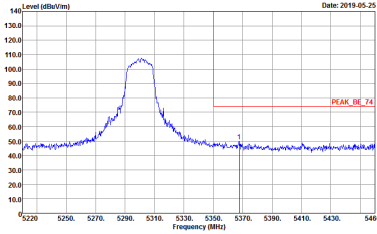
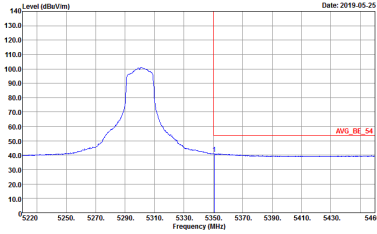


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                                        |             |
| 4+5  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p></div> | Left blank  |

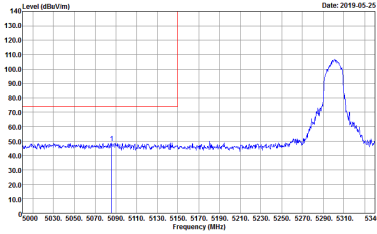
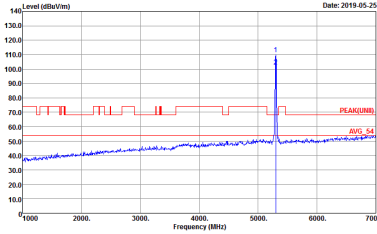
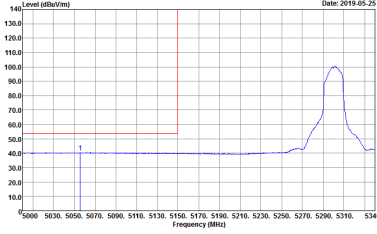


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                |
| 4+5  | Horizontal                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p>  |  <p>Site : 03CH13-HV<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p> |
| Avg. |  <p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p> | Left blank                                                                                                                                                                                                                                     |

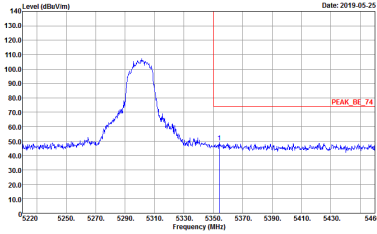
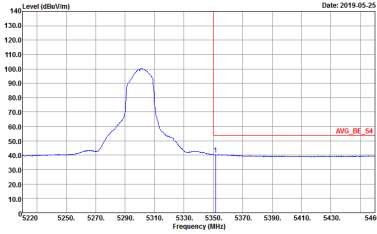


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                       |            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                            |            |
| 4+5  | Horizontal                                                                                                                                                                                                                                               | Vertical   |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p></div>  | Left blank |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p></div> | Left blank |

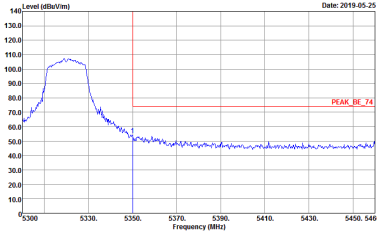
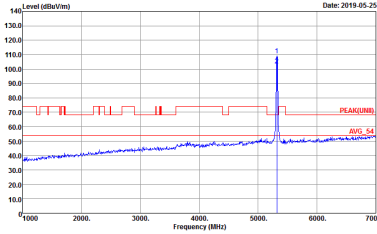
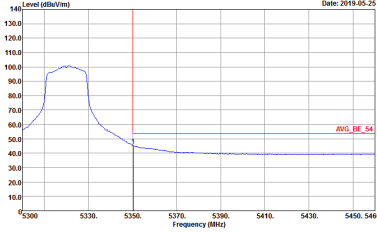


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| 4+5  | Vertical                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p> | Left blank                                                                                                                                                                                                                                   |

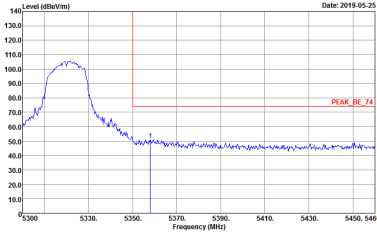
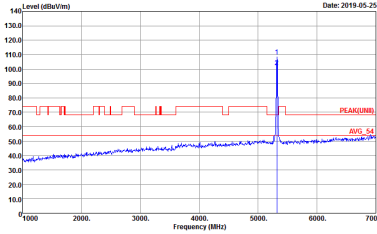
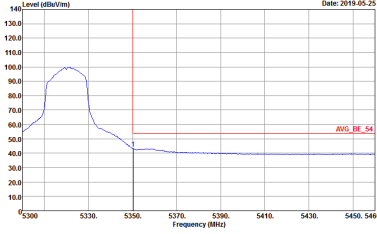


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                          |             |
| 4+5  | Vertical                                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p></div> | Left blank  |

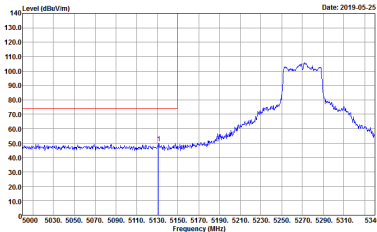
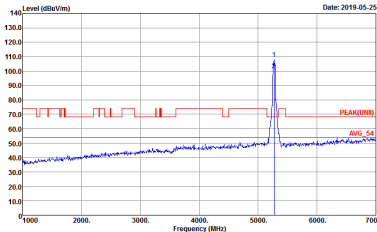
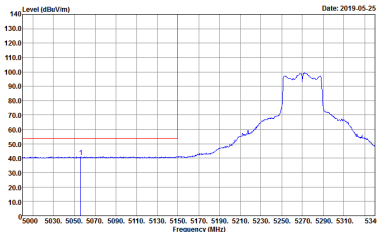


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                             |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 16<br/>Power : 18.5</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 16<br/>Power : 18.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 16<br/>Power : 18.5</p>   | Left blank                                                                                                                                                                                                                                                                                  |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                           |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                           |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 16<br/>Power : 18.5</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 16<br/>Power : 18.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 16<br/>Power : 18.5</p>   | Left blank                                                                                                                                                                                                                                                                                |

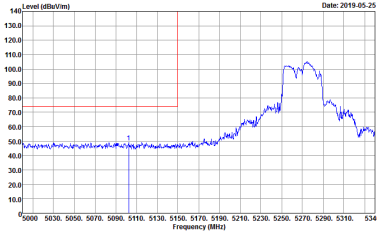
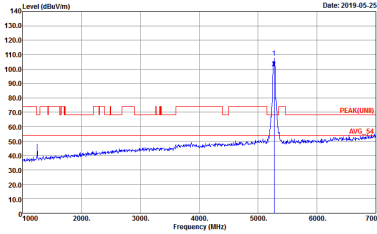
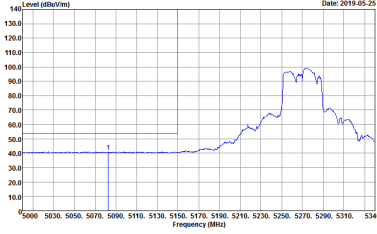
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                 |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH54 5270MHz - L                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                 |
| 4+5         | Horizontal                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                     |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : ZF<br/> Power : 20</p> |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : ZF<br/> Power : 20</p> |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/> Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/> RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : ZF<br/> Power : 20</p>   | <b>Left blank</b>                                                                                                                                                                                                                                                                               |

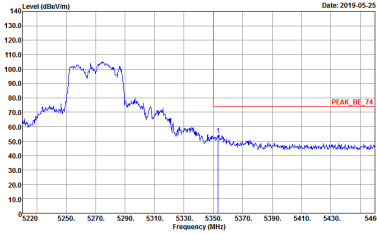
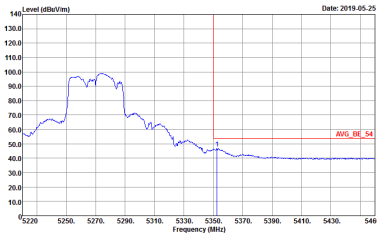


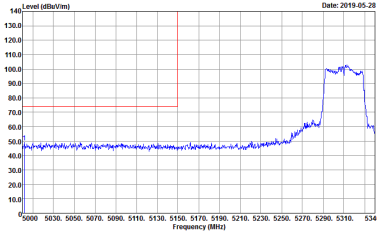
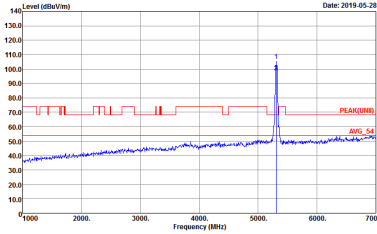
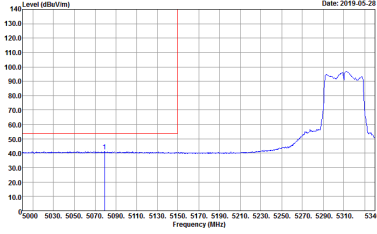
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH54 5270MHz - R                                                                                                                                                                                     |             |
| 4+5  | Horizontal                                                                                                                                                                                                        | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div>     | Left blank  |



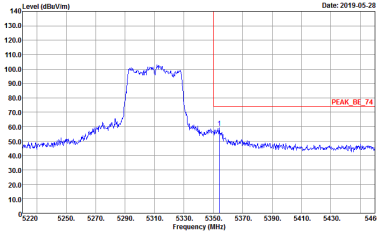
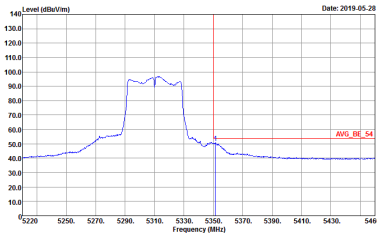
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH54 5270MHz - L                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                   |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div>  | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div> |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div> | Left blank                                                                                                                                                                                                                                                                                        |

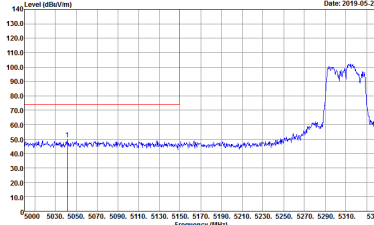
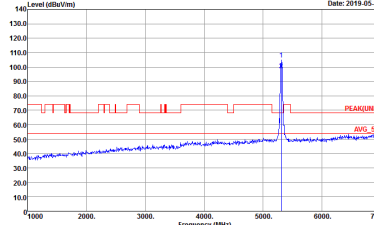
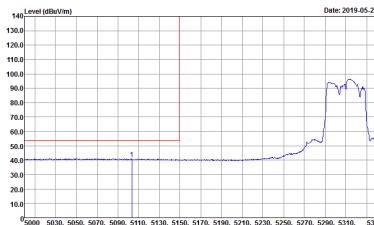


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                   |            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ANT  | 802.11n HT40 CH54 5270MHz - R                                                                                                                                                                                                                        |            |
| 4+5  | Vertical                                                                                                                                                                                                                                             | Vertical   |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div>  | Left blank |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : Z2<br/>Power : Z0</p></div> | Left blank |

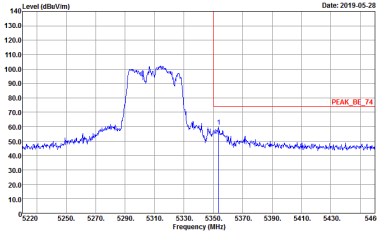
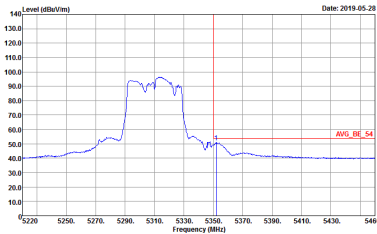
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310MHz - L                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| 4+5  | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p> | Left blank                                                                                                                                                                                                                                   |



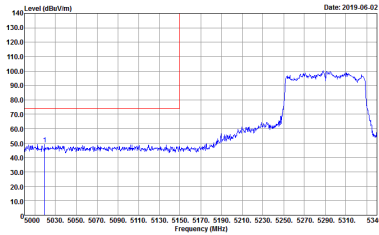
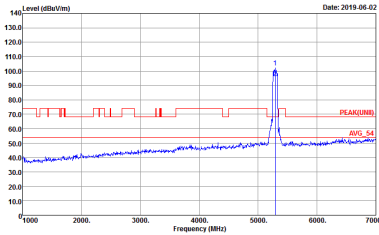
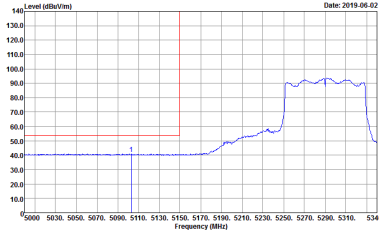
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                  |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310MHz - R                                                                                                                                                                                                                                                                       |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                                          | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p></div> | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310MHz - L                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                       |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                                                           |
| Peak |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 24<br/>           Power : 17         </p>  |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 24<br/>           Power : 17         </p> |
| Avg. |  <p>           Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 24<br/>           Power : 17         </p> | Left blank                                                                                                                                                                                                                                                                                                            |

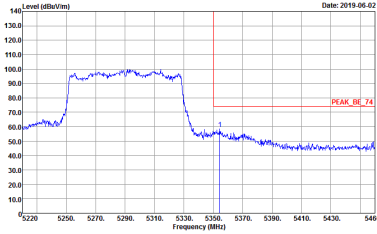
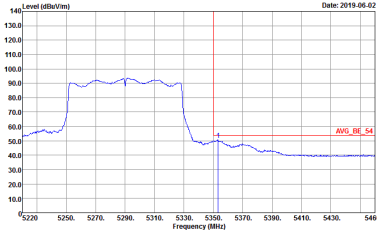


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT40 CH62 5310MHz - R                                                                                                                                                                                                                                                                    |             |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                         | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p></div> | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p></div>   | Left blank  |

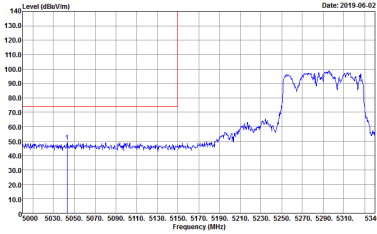
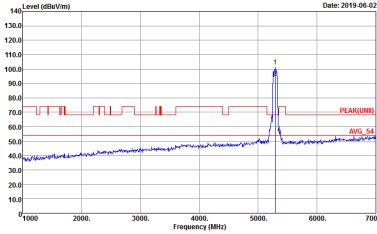
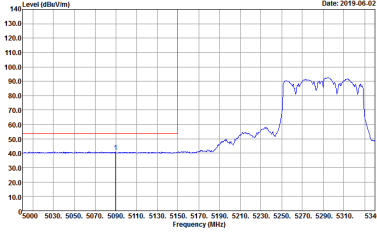
**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                         |
| 4+5         | Horizontal                                                                                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                                                                                             |
| <b>Peak</b> |  <p>           Date: 2019-06-02<br/>           Site : 03CH13-HY<br/>           Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 30<br/>           Power : 17         </p>  |  <p>           Date: 2019-06-02<br/>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 30<br/>           Power : 17         </p> |
| <b>Avg.</b> |  <p>           Date: 2019-06-02<br/>           Site : 03CH13-HY<br/>           Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 30<br/>           Power : 17         </p> | <b>Left blank</b>                                                                                                                                                                                                                                                                                                                                       |

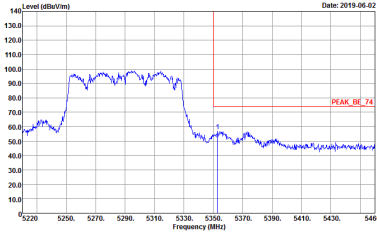
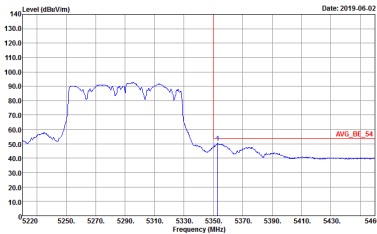


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                     |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                        |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HV<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 30<br/>Power : 17</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HV<br/>Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 30<br/>Power : 17</p></div> | Left blank  |

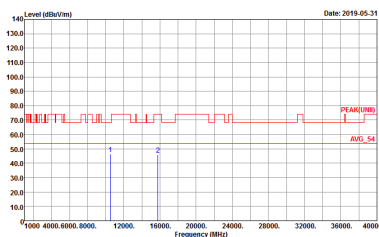
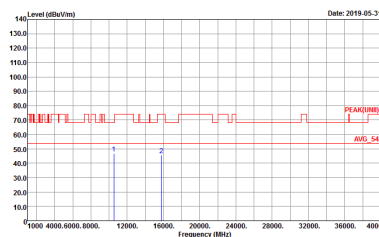


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                           |
| 4+5  | Vertical                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 30<br/>Power : 17</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 30<br/>Power : 17</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 30<br/>Power : 17</p> | Left blank                                                                                                                                                                                                                                                                |

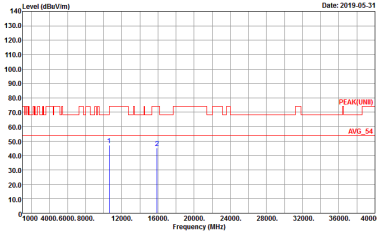
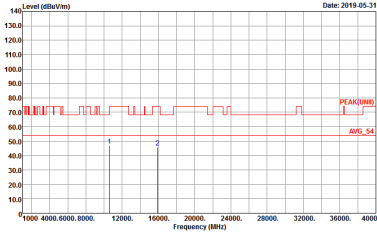


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                   |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                      |             |
| 4+5  | Vertical                                                                                                                                                                                                                                             | Fundamental |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 30<br/>Power : 17</p></div>  | Left blank  |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 30<br/>Power : 17</p></div> | Left blank  |

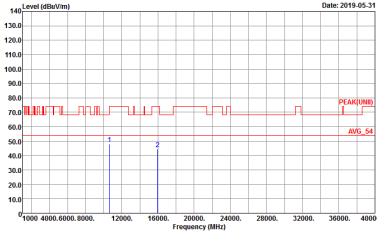
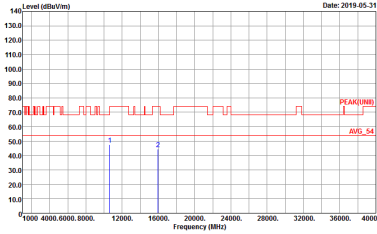
**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                           | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                      |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11a CH52 5260MHz                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                      |
| 4+5                            | Horizontal                                                                                                                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                                                                                                                             |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 8N0620-05<br/>           Mode : 4<br/>           Power : 18         </p> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : 8N0620-05<br/>           Mode : 4<br/>           Power : 18         </p> |
|                                |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                      |



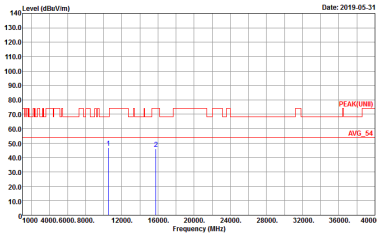
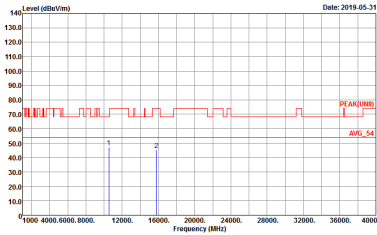
|              |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                     |
| ANT          | 802.11a CH60 5300MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                     |
| 4+5          | Horizontal                                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p></div> | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 5<br/>Power : 18</p></div> |



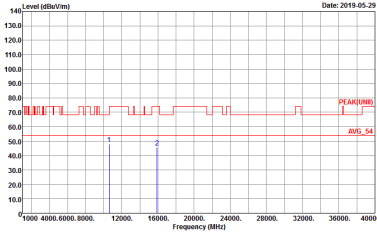
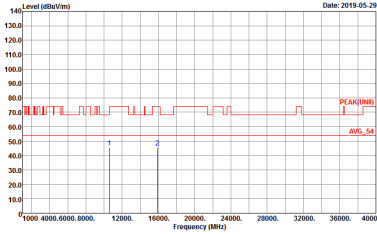
|              |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                     |
| ANT          | 802.11a CH64 5320MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                     |
| 4+5          | Horizontal                                                                                                                                                                                                                                           | Vertical                                                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p></div> | <div><p>Site : 03CH13-1V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 6<br/>Power : 18</p></div> |



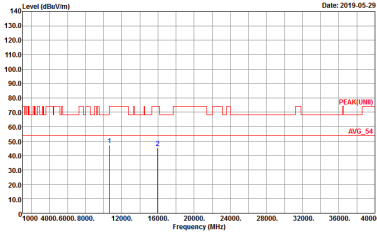
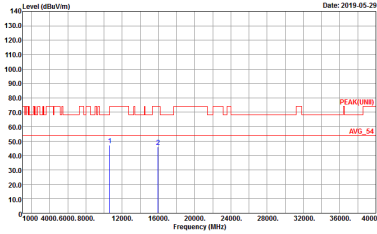
Band 2 5250~5350MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH52 5260MHz                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                      |
| 4+5          | Horizontal                                                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                                                             |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 14<br/>Power : 18</p></div> |

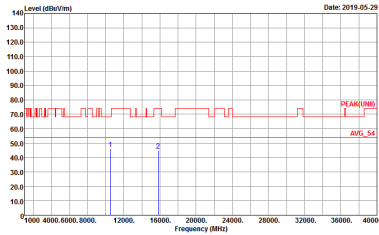
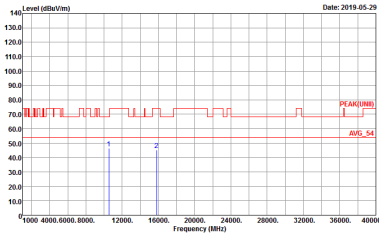


|              |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                         |
| ANT          | 802.11n HT20 CH60 5300MHz                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                         |
| 4+5          | Horizontal                                                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                                                |
| Peak<br>Avg. | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p></div> | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 15<br/>Power : 18.5</p></div> |

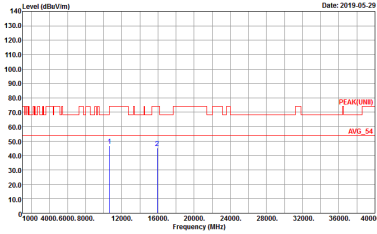
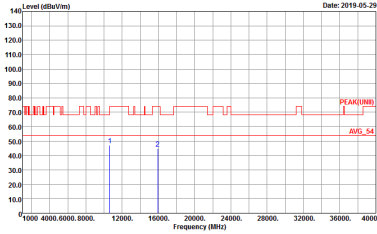


|              |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                         |
| ANT          | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                         |
| 4+5          | Horizontal                                                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                                                |
| Peak<br>Avg. | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 16<br/>Power : 18.5</p></div> | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 16<br/>Power : 18.5</p></div> |

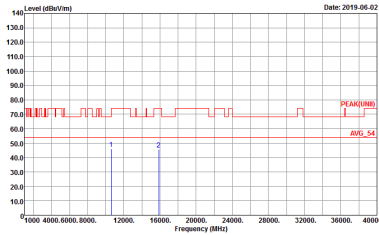
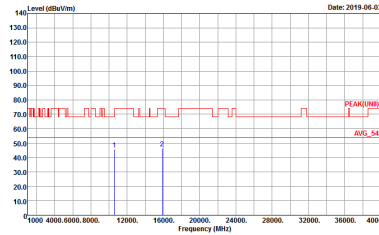
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                           | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                                 |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH54 5270MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                 |
| 4+5                            | Horizontal                                                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                                                        |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : Z3<br/> Power : Z0</p> |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : Z3<br/> Power : Z0</p> |



| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH62 5310MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
| 4+5          | Horizontal                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                              |
| Peak<br>Avg. | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p></div> | <div><p>Site : 03CH13-14V<br/>Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 24<br/>Power : 17</p></div> |
|              |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                       |

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

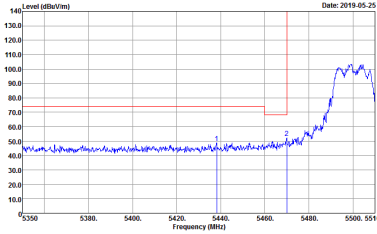
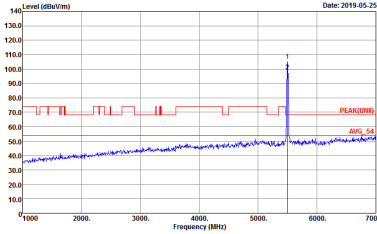
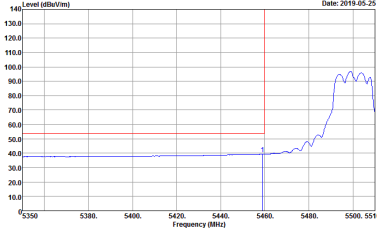
| WIFI                           | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT80 CH58 5290MHz                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                       |
| 4+5                            | Horizontal                                                                                                                                                                                                                                                                                                             | Vertical                                                                                                                                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 30<br/>           Power : 17         </p> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 30<br/>           Power : 17         </p> |

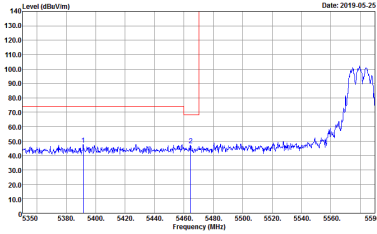
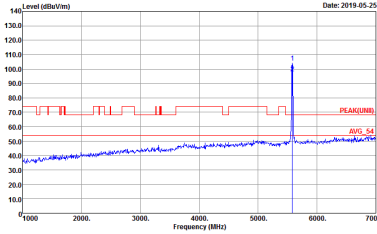
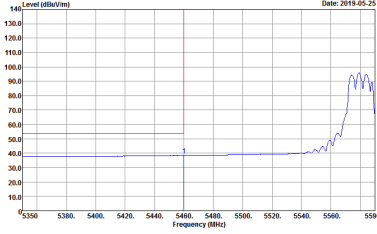


**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

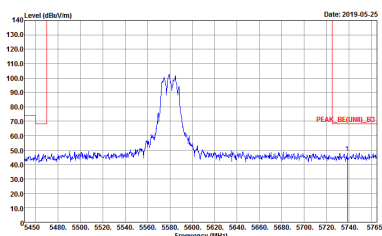
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                               |                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                            |                                                                                                                                                            |
| 4+5  | Horizontal                                                                                                                                                       | Fundamental                                                                                                                                                |
| Peak | <p>Site : 03CH13-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 7<br/>Power : 17.5</p> | <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 7<br/>Power : 17.5</p> |
| Avg. | <p>Site : 03CH13-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 7<br/>Power : 17.5</p>  | Left blank                                                                                                                                                 |

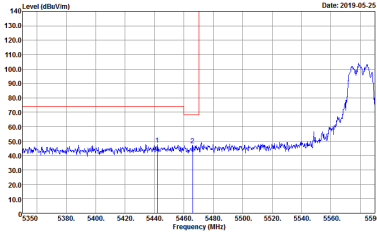
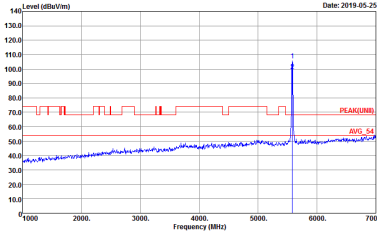
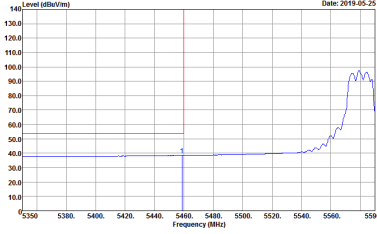


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH100 5500MHz                                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
| 4+5  | Vertical                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 7<br/>Power : 17.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 7<br/>Power : 17.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 7<br/>Power : 17.5</p> | Left blank                                                                                                                                                                                                                                  |

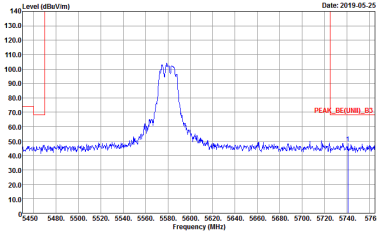
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                              |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                              |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 8<br/>Power : 17.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 8<br/>Power : 17.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 8<br/>Power : 17.5</p> | Left blank                                                                                                                                                                                                                                                                   |



| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                           |             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                    |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 09CH13-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 8<br/>Power : 17.5</p></div> | Left blank  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH116 5580MHz - L                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                        |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                            |
| Peak |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 8<br/>           Power : 17.5         </p>  |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 8<br/>           Power : 17.5         </p> |
| Avg. |  <p>           Site : 03CH13-HY<br/>           Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>           Detector : Peak<br/>           Project : BN0620-05<br/>           Mode : 8<br/>           Power : 17.5         </p> | Left blank                                                                                                                                                                                                                                                                                                             |

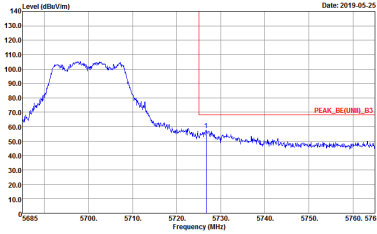
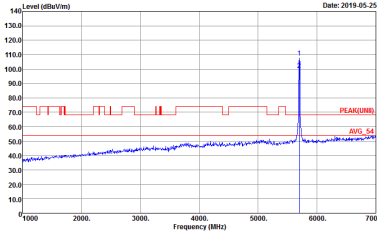


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                         |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                                  |             |
| 4+5  | Vertical                                                                                                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 09CH13-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 8<br/>Power : 17.5</p></div> | Left blank  |

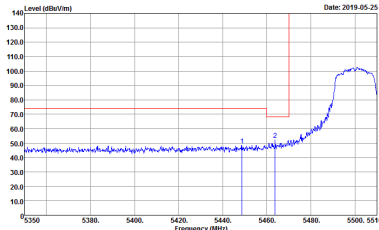
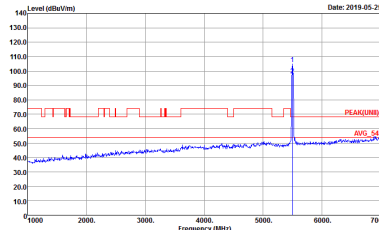
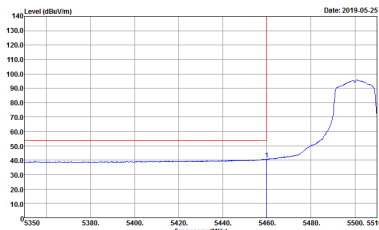


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                  |                                                                                                                                                                                                                  |
| 4+5  | Horizontal                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH13-4V<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 9<br/>Power : 18</p></div> | <div><p>Site : 03CH13-4V<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 9<br/>Power : 18</p></div> |

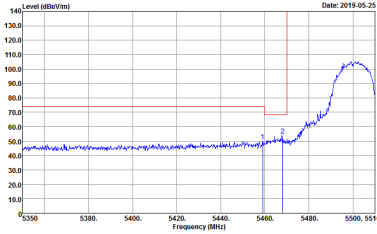
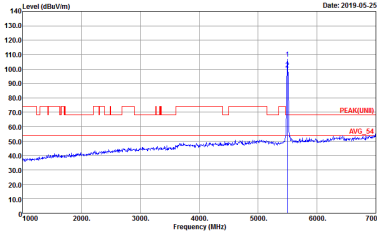
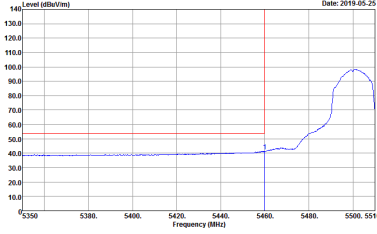


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                  |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH140 5700MHz                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                  |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH13-4V<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 9<br/>Power : 18</p></div> | <div><p>Site : 03CH13-4V<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 9<br/>Power : 18</p></div> |

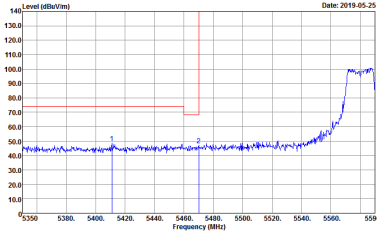
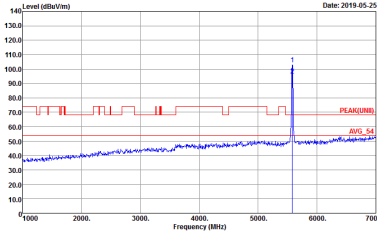
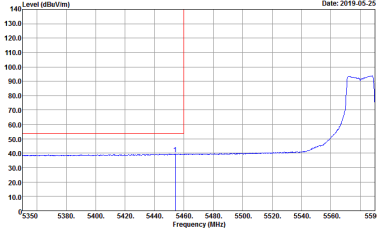
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                   |
| 4+5         | Horizontal                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                       |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : 17<br/> Power : 18</p>  |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : 17<br/> Power : 18</p> |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/> Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/> Detector : Peak<br/> Project : BN0620-05<br/> Mode : 17<br/> Power : 18</p> | <b>Left blank</b>                                                                                                                                                                                                                                 |

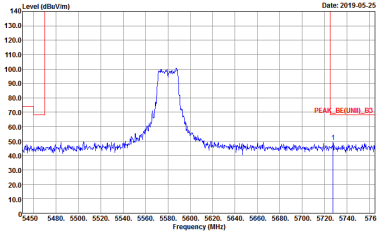


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH100 5500MHz                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                         |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 17<br/>Power : 18</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 17<br/>Power : 18</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 17<br/>Power : 18</p>    | Left blank                                                                                                                                                                                                                                                                              |

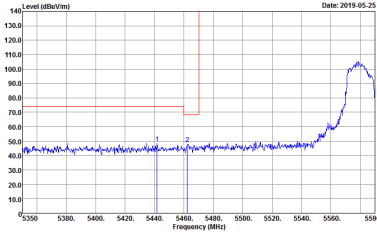
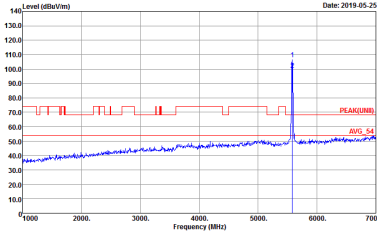
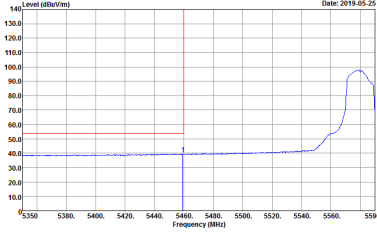


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                |
| 4+5  | Horizontal                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 18<br/>Power : 17.5</p>  |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 18<br/>Power : 17.5</p> |
| Avg. |  <p>Site : 03CH13-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 18<br/>Power : 17.5</p> | Left blank                                                                                                                                                                                                                                     |



|      |                                                                                                                                                                                                                                                               |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                            |             |
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                                                                                                                |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 09CH13-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 18<br/>Power : 17.5</p></div> | Left blank  |

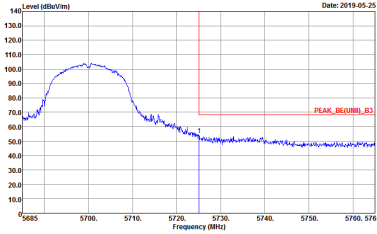
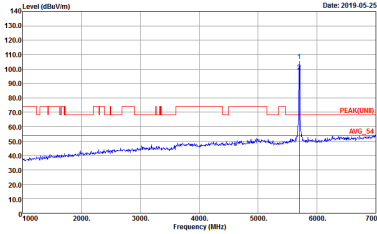


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH116 5580MHz - L                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                       |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH13-HY<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 18<br/>Power : 17.5</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 18<br/>Power : 17.5</p></div> |
| Avg. | <div><p>Site : 03CH13-HY<br/>Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto<br/>Project : Peak<br/>Mode : 18<br/>Power : 17.5</p></div>    | Left blank                                                                                                                                                                                                                                                                            |

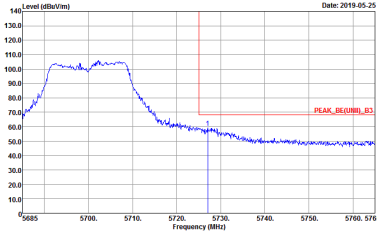
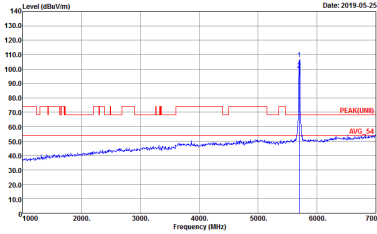


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                         |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH116 5580MHz - R                                                                                                                                             |             |
| 4+5  | Vertical                                                                                                                                                                   | Fundamental |
| Peak | <div><p>Site : 09CH13-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 18<br/>Power : 17.5</p></div> | Left blank  |

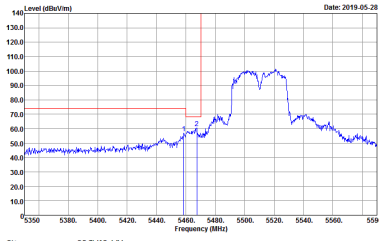
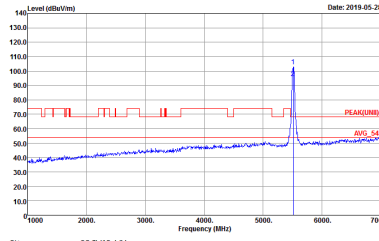
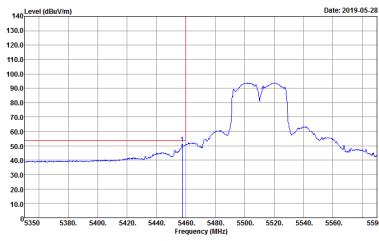


| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                     |
| 4+5  | Horizontal                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                         |
| Peak | <div><p>Site : 03CH13-4V<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 19<br/>Power : 18</p></div> | <div><p>Site : 03CH13-4V<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 19<br/>Power : 18</p></div> |

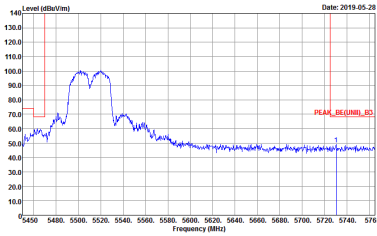


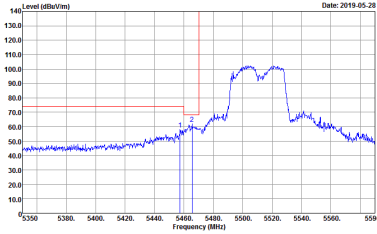
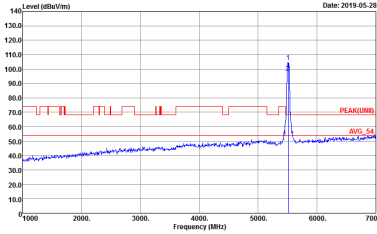
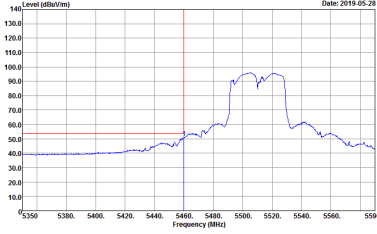
| WIFI  | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                   |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT   | 802.11n HT20 CH140 5700MHz                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                   |
| 4+5   | Vertical                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                       |
| Peak. | <div><p>Site : 03CH13-4V<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 19<br/>Power : 18</p></div> | <div><p>Site : 03CH13-4V<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 8N0620-05<br/>Mode : 19<br/>Power : 18</p></div> |

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

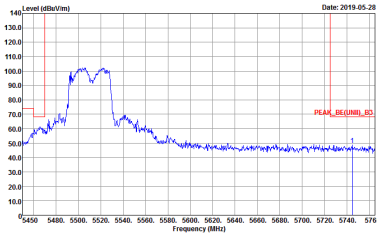
| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                   |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                   |
| 4+5         | Horizontal                                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                                       |
| <b>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 25<br/> Power : 19.5</p> |  <p>Site : 03CH13-HY<br/> Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 25<br/> Power : 19.5</p> |
| <b>Avg.</b> |  <p>Site : 03CH13-HY<br/> Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/> RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 8N0620-05<br/> Mode : 25<br/> Power : 19.5</p>   | <b>Left blank</b>                                                                                                                                                                                                                                                                                 |



|      |                                                                                                                                                                                                                                                               |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                            |             |
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                                |             |
| 4+5  | Horizontal                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 09CH13-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 25<br/>Power : 19.5</p></div> | Left blank  |

| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH102 5510MHz - L                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                   |
| 4+5  | Vertical                                                                                                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                                                                                                       |
| Peak |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : BN0620-05<br/>           Power : 25<br/>           : 19.5         </p> |  <p>           Site : 03CH13-HY<br/>           Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : BN0620-05<br/>           Power : 25<br/>           : 19.5         </p> |
| Avg. |  <p>           Site : 03CH13-HY<br/>           Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Project : Peak<br/>           Mode : BN0620-05<br/>           Power : 25<br/>           : 19.5         </p>   | Left blank                                                                                                                                                                                                                                                                                                                                                                        |



|      |                                                                                                                                                                                                                                                             |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                                          |             |
| ANT  | 802.11n HT40 CH102 5510MHz - R                                                                                                                                                                                                                              |             |
| 4+5  | Vertical                                                                                                                                                                                                                                                    | Fundamental |
| Peak | <div><p>Site : 09CH13-HV<br/>Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL<br/>Detector : Peak<br/>Project : BN0620-05<br/>Mode : 25<br/>Power : 19.5</p></div> | Left blank  |