



# FCC RF Test Report

**APPLICANT** : Quanta Computer Inc.  
**EQUIPMENT** : Computing Device with external power supply,  
battery, WiFi and Bluetooth  
**MODEL NAME** : C0A  
**FCC ID** : HFSC0A  
**STANDARD** : FCC Part 15 Subpart E §15.407  
**CLASSIFICATION** : (NII) Unlicensed National Information Infrastructure

The testing was completed on Jun. 09, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



## **SPORTON INTERNATIONAL INC.**

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FCC ID : HFSC0A

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### REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FR742622D  | Rev. 01 | Initial issue of report | Aug. 01, 2017 |
|            |         |                         |               |
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### SUMMARY OF TEST RESULT

| Report Section | FCC Rule              | Description                            | Limit                        | Result | Remark                                                        |
|----------------|-----------------------|----------------------------------------|------------------------------|--------|---------------------------------------------------------------|
| 3.1            | 2.1049<br>15.403(i)   | 26dB & 99% Bandwidth                   | -                            | Pass   | -                                                             |
| 3.2            | 15.407(a)             | Maximum Conducted Output Power         | ≤ 24 dBm<br>(depend on band) | Pass   | -                                                             |
| 3.3            | 15.407(a)             | Power Spectral Density                 | ≤ 11 dBm<br>(depend on band) | Pass   | -                                                             |
| 3.4            | 15.407(b)             | Unwanted Emissions                     | 15.407(b)<br>15.209(a)       | Pass   | Under limit<br>3.06 dB at<br>5150.000 MHz and<br>5457.760 MHz |
| 3.5            | 15.207                | AC Conducted Emission                  | 15.207(a)                    | Pass   | Under limit<br>12.60 dB at<br>2.870 MHz                       |
| 3.6            | 15.407(g)             | Frequency Stability                    | Within Operation Band        | Pass   | -                                                             |
| 3.7            | 15.407(c)             | Automatically Discontinue Transmission | Discontinue Transmission     | Pass   | -                                                             |
| 3.8            | 15.203 &<br>15.407(a) | Antenna Requirement                    | N/A                          | Pass   | -                                                             |



# 1 General Description

## 1.1 Applicant

**Quanta Computer Inc.**

No.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan

## 1.2 Product Feature of Equipment Under Test

| Product Feature                        |                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------|
| <b>Equipment</b>                       | Computing Device with external power supply, battery, WiFi and Bluetooth       |
| <b>Model Name</b>                      | C0A                                                                            |
| <b>FCC ID</b>                          | HFSC0A                                                                         |
| <b>EUT supports Radios application</b> | WLAN 11a/b/g/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



### 1.3 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tx/Rx Frequency Range                   | 5180 MHz ~ 5240 MHz<br>5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5720 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Maximum Output Power to Antenna         | <p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b></p> <p><b>&lt;Ant. 1&gt;</b><br/> 802.11a : 13.48 dBm / 0.0223 W<br/> 802.11n HT20 : 13.47 dBm / 0.0222 W<br/> 802.11n HT40 : 14.59 dBm / 0.0288 W<br/> 802.11ac VHT20: 13.42 dBm / 0.0220 W<br/> 802.11ac VHT40: 14.55 dBm / 0.0285 W<br/> 802.11ac VHT80: 9.58 dBm / 0.0091 W</p> <p><b>&lt;Ant. 2&gt;</b><br/> 802.11a : 13.37 dBm / 0.0217 W<br/> 802.11n HT20 : 13.37 dBm / 0.0217 W<br/> 802.11n HT40 : 14.55 dBm / 0.0285 W<br/> 802.11ac VHT20: 13.32 dBm / 0.0215 W<br/> 802.11ac VHT40: 14.51 dBm / 0.0282 W<br/> 802.11ac VHT80: 9.51 dBm / 0.0089 W</p> <p><b>MIMO &lt;Ant. 1 + 2&gt;</b><br/> 802.11a : 13.49 dBm / 0.0223 W<br/> 802.11n HT20 : 13.45 dBm / 0.0221 W<br/> 802.11n HT40 : 14.99 dBm / 0.0316 W<br/> 802.11ac VHT20: 13.19 dBm / 0.0208 W<br/> 802.11ac VHT40: 14.60 dBm / 0.0288 W<br/> 802.11ac VHT80: 10.45 dBm / 0.0111 W</p> <p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b></p> <p><b>&lt;Ant. 1&gt;</b><br/> 802.11a : 14.50 dBm / 0.0282 W<br/> 802.11n HT20 : 14.45 dBm / 0.0279 W<br/> 802.11n HT40 : 14.99 dBm / 0.0316 W<br/> 802.11ac VHT20: 14.39 dBm / 0.0275 W<br/> 802.11ac VHT40: 14.70 dBm / 0.0295 W<br/> 802.11ac VHT80: 11.00 dBm / 0.0126 W</p> <p><b>&lt;Ant. 2&gt;</b><br/> 802.11a : 14.45 dBm / 0.0279 W<br/> 802.11n HT20 : 14.29 dBm / 0.0269 W<br/> 802.11n HT40 : 14.86 dBm / 0.0306 W<br/> 802.11ac VHT20: 14.20 dBm / 0.0263 W<br/> 802.11ac VHT40: 14.40 dBm / 0.0275 W<br/> 802.11ac VHT80: 10.95 dBm / 0.0124 W</p> <p><b>MIMO &lt;Ant. 1 + 2&gt;</b><br/> 802.11a : 14.47 dBm / 0.0280 W<br/> 802.11n HT20 : 14.49 dBm / 0.0281 W<br/> 802.11n HT40 : 14.90 dBm / 0.0309 W<br/> 802.11ac VHT20: 14.48 dBm / 0.0281 W<br/> 802.11ac VHT40: 14.57 dBm / 0.0286 W<br/> 802.11ac VHT80: 11.72 dBm / 0.0149 W</p> |



| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |               |   |   |                  |   |   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|---------------|---|---|------------------|---|---|
| Maximum Output Power to Antenna         | <p><b>&lt;5500 MHz ~ 5720 MHz&gt;</b><br/> <b>&lt;Ant. 1&gt;</b><br/>           802.11a : 14.48 dBm / 0.0281 W<br/>           802.11n HT20 : 14.46 dBm / 0.0279 W<br/>           802.11n HT40 : 14.90 dBm / 0.0308 W<br/>           802.11ac VHT20: 14.37 dBm / 0.0274 W<br/>           802.11ac VHT40: 14.73 dBm / 0.0297 W<br/>           802.11ac VHT80: 14.88 dBm / 0.0308 W<br/> <b>&lt;Ant. 2&gt;</b><br/>           802.11a : 14.02 dBm / 0.0252 W<br/>           802.11n HT20 : 14.02 dBm / 0.0252 W<br/>           802.11n HT40 : 14.84 dBm / 0.0305 W<br/>           802.11ac VHT20: 14.00 dBm / 0.0251 W<br/>           802.11ac VHT40: 14.79 dBm / 0.0301 W<br/>           802.11ac VHT80: 14.72 dBm / 0.0296 W<br/> <b>MIMO &lt;Ant. 1 + 2&gt;</b><br/>           802.11a : 14.48 dBm / 0.0281 W<br/>           802.11n HT20 : 14.47 dBm / 0.0280 W<br/>           802.11n HT40 : 14.94 dBm / 0.0312 W<br/>           802.11ac VHT20: 14.46 dBm / 0.0279 W<br/>           802.11ac VHT40: 14.87 dBm / 0.0307 W<br/>           802.11ac VHT80: 14.83 dBm / 0.0304 W</p> |        |        |        |               |   |   |                  |   |   |
| 99% Occupied Bandwidth                  | 802.11a : 17.80 MHz<br>802.11n HT20 : 18.50 MHz<br>802.11n HT40 : 36.40 MHz<br>802.11ac VHT80 : 75.60 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |               |   |   |                  |   |   |
| Antenna Type / Gain                     | <p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b><br/> <b>Ant. 1</b> : Fixed internal Antenna with gain 3.90 dBi<br/> <b>Ant. 2</b> : Fixed internal Antenna with gain 1.70 dBi<br/> <b>&lt;5260 MHz ~ 5320 MHz&gt;</b><br/> <b>Ant. 1</b> : Fixed internal Antenna with gain 3.90 dBi<br/> <b>Ant. 2</b> : Fixed internal Antenna with gain 1.70 dBi<br/> <b>&lt;5500 MHz ~ 5720 MHz &gt;</b><br/> <b>Ant. 1</b> : Fixed internal Antenna with gain 3.90 dBi<br/> <b>Ant. 2</b> : Fixed internal Antenna with gain 1.70 dBi</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |               |   |   |                  |   |   |
| Type of Modulation                      | 802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |               |   |   |                  |   |   |
| Antenna Function Description            | <table border="1"> <thead> <tr> <th></th> <th>Ant. 1</th> <th>Ant. 2</th> </tr> </thead> <tbody> <tr> <td>802.11 a/n/ac</td> <td>V</td> <td>V</td> </tr> <tr> <td>802.11 n/ac MIMO</td> <td>V</td> <td>V</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | Ant. 1 | Ant. 2 | 802.11 a/n/ac | V | V | 802.11 n/ac MIMO | V | V |
|                                         | Ant. 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ant. 2 |        |        |               |   |   |                  |   |   |
| 802.11 a/n/ac                           | V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | V      |        |        |               |   |   |                  |   |   |
| 802.11 n/ac MIMO                        | V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | V      |        |        |               |   |   |                  |   |   |

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

### 1.4 Modification of EUT

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



### 1.5 Testing Location

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

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

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

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

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

### 1.6 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ♦ ANSI C63.10-2013

**Remark:**

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





## 2 Test Configuration of Equipment Under Test

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: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). The following tables for radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z in tablet mode and Notebook mode The worst cases (Notebook Mode) were recorded in this report.

### 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 <sup>*</sup> | 5710        |         |             |

Note:

1. The above Frequency and Channel in "\*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "#n" were 802.11ac VHT80.
3. For Straddle Channel, it is permitted to perform a single measurement over the entire emission bandwidth to demonstrate compliance to the power limit, provided that the more conservative of the applicable power and power density limits are applied.

## 2.2 Test Mode

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

### Single Antenna

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

### MIMO Antenna

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



| Test Cases                   |                                                                                                                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b> | Mode 1 : WLAN (5GHz) Link + Bluetooth Link + MPEG 4 + USB port 1_USB Cable (Charging from Adapter) + Laptop mode + Earphone + Resolution (1800*1200) + USB port 2_Type C to DP Cable with TV (Bluetooth earphone output) |

| 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                     |



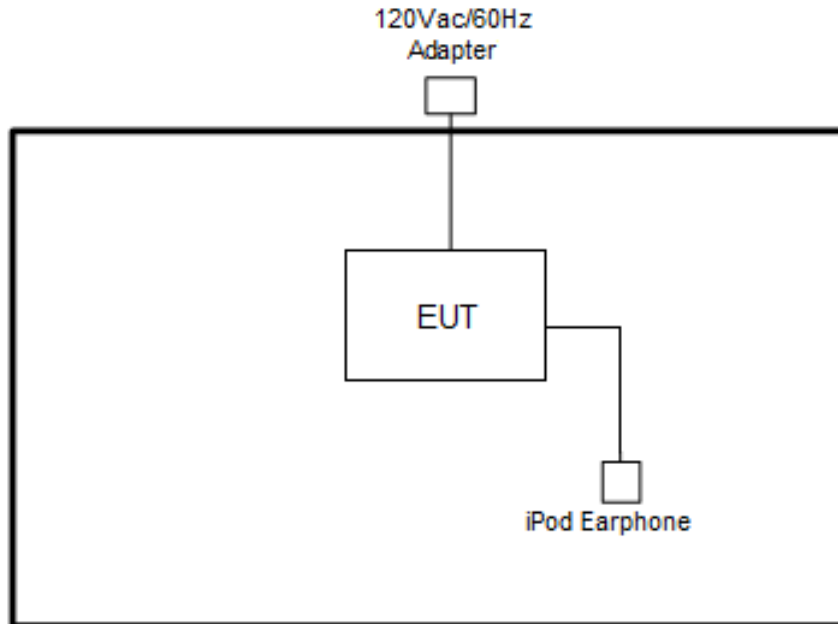
| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ac VHT20         | 802.11ac VHT20          | 802.11ac VHT20          |
| L        | 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 |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ac VHT40         | 802.11ac VHT40          | 802.11ac VHT40          |
| L        | Low    | 38                     | 54                      | 102                     |
| M        | Middle | -                      | -                       | 110                     |
| H        | High   | 46                     | 62                      | 134                     |
| Straddle |        | -                      | -                       | 142                     |

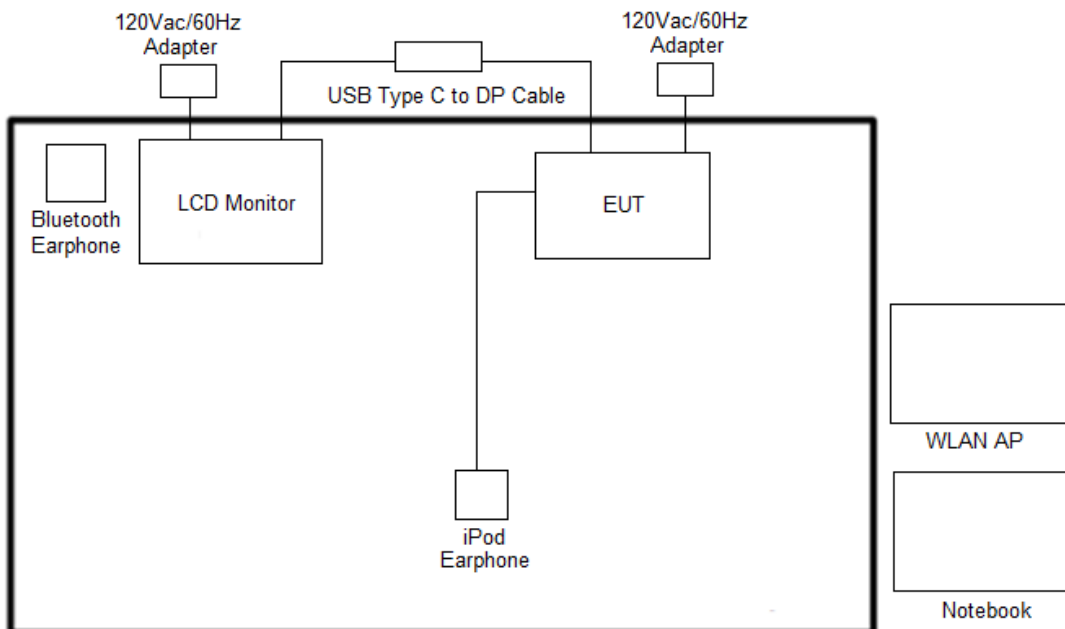
| Ch. #    |        | Band I : 5150-5250 MHz | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|------------------------|-------------------------|-------------------------|
|          |        | 802.11ac VHT80         | 802.11ac VHT80          | 802.11ac VHT80          |
| L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

## 2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>





## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Trade Name    | Model Name     | FCC ID       | Data Cable        | Power Cord                                                 |
|------|--------------------|---------------|----------------|--------------|-------------------|------------------------------------------------------------|
| 1.   | Bluetooth Earphone | Sony Ericsson | MW600          | PY7DDA-2029  | N/A               | N/A                                                        |
| 2.   | WLAN AP            | ASUS          | RT-AC66U       | MSQ-RTAC66U  | N/A               | Unshielded, 1.8 m                                          |
| 3.   | Notebook           | DELL          | Latitude E6320 | FCC DoC      | N/A               | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 4.   | iPod Earphone      | Apple         | N/A            | Verification | Unshielded, 1.0 m | N/A                                                        |
| 5.   | LCD Monitor        | DELL          | U2410          | FCC DoC      | Shielded, 1.6 m   | Unshielded, 1.8 m                                          |

## 2.5 EUT Operation Test Setup

The programmed RF utility “DRTU”, is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

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

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

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

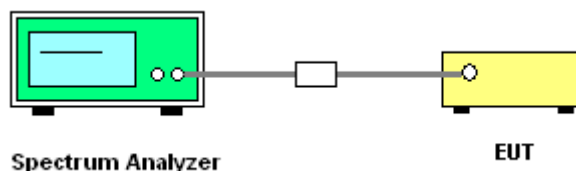
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

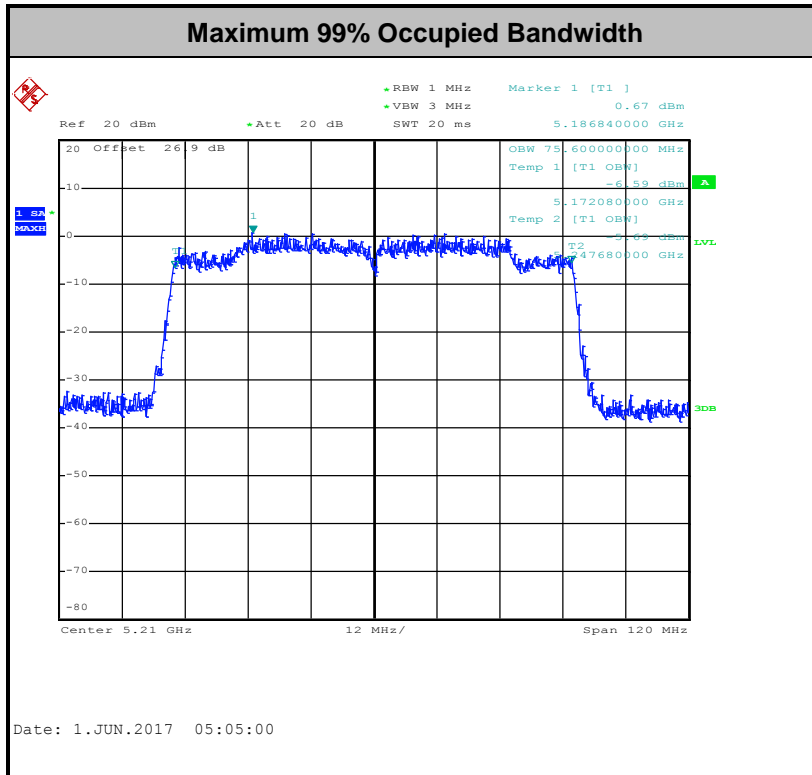
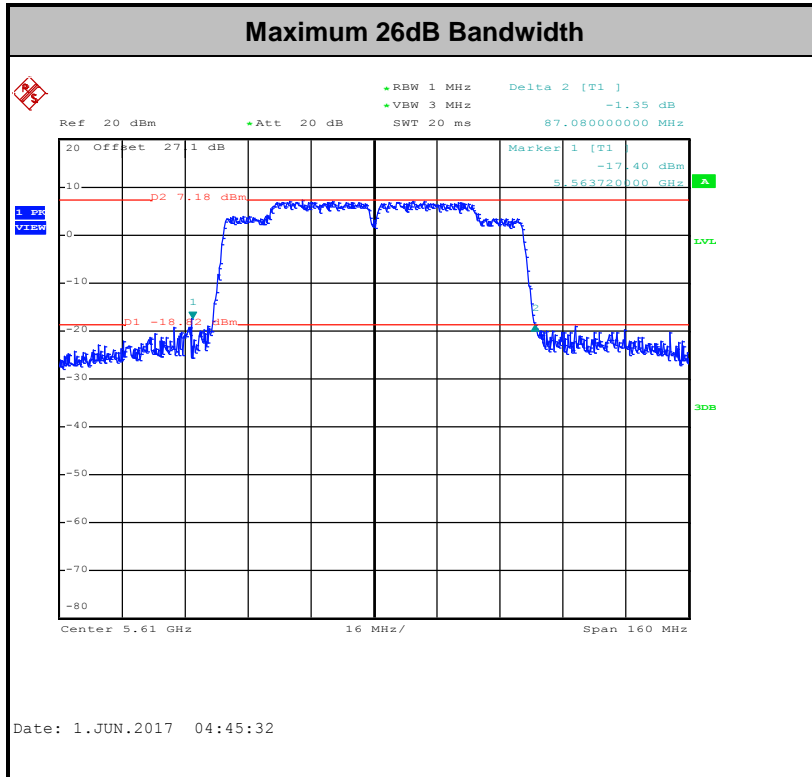
##### 3.1.4 Test Setup





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

Please refer to Appendix A.



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





## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

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

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

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

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

### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

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

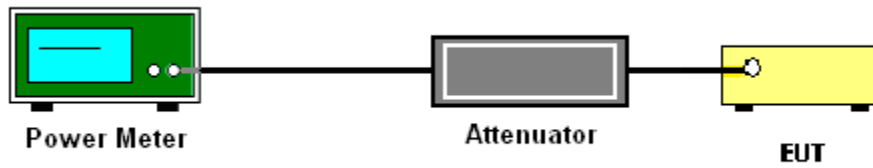
Method PM (Measurement using an RF average power meter):

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

For straddle channel, the testing follows Method SA-3 (RMS detection with max hold) of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

### 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

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

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

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

#### 3.3.2 Measuring Instruments

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

#### 3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section F) Maximum power spectral density.

##### # Method SA-2 #

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW  $\geq$  3 MHz.
- Number of points in sweep  $\geq$  2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.





### 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 (MHz) | Field Strength (microvolts/meter) | Measurement Distance (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.

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



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

(3) KDB789033 D01 v01r04 G)2)c)

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

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

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

### 3.4.2 Measuring Instruments

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

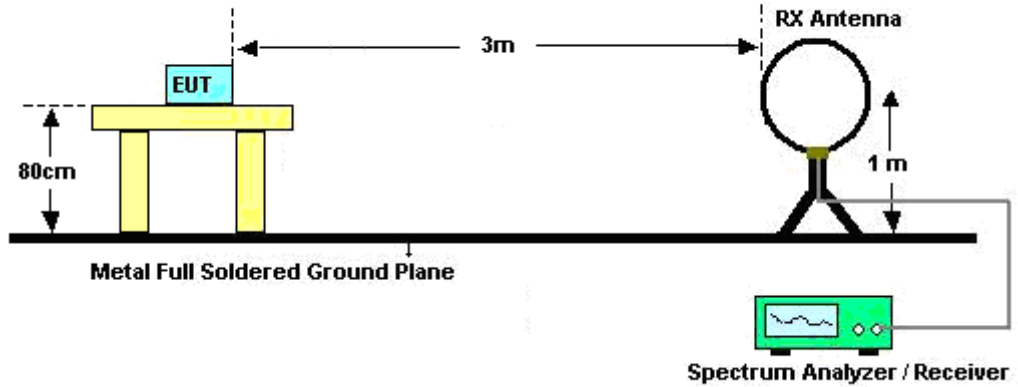


### 3.4.3 Test Procedures

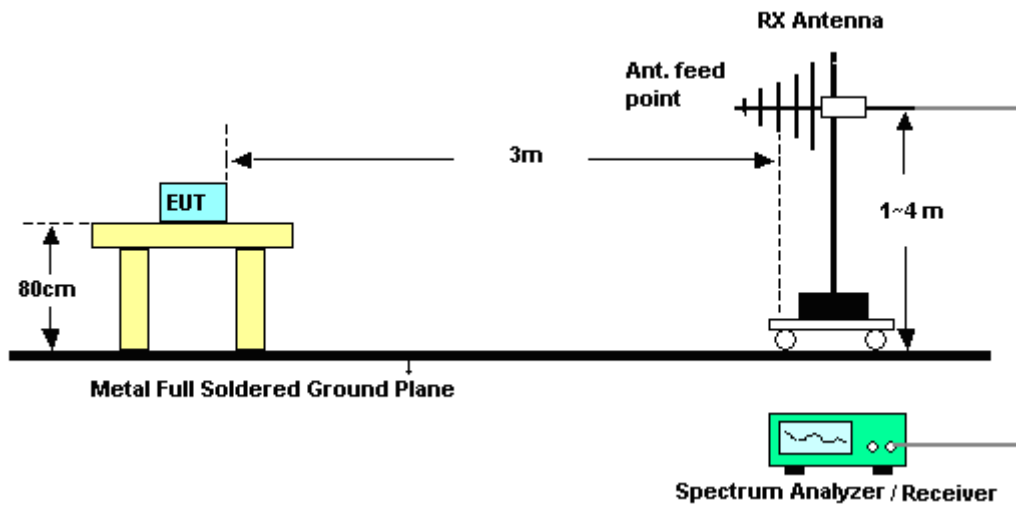
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section G) Unwanted emissions measurement.
  - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
    - RBW = 120 kHz
    - VBW = 300 kHz
    - Detector = Peak
    - Trace mode = max hold
  - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
    - RBW = 1 MHz
    - VBW  $\geq$  3 MHz
    - Detector = Peak
    - Sweep time = auto
    - Trace mode = max hold
  - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
    - RBW = 1 MHz
    - VBW = 10 Hz, when duty cycle is no less than 98 percent.
    - VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.4.4 Test Setup

For radiated emissions below 30MHz

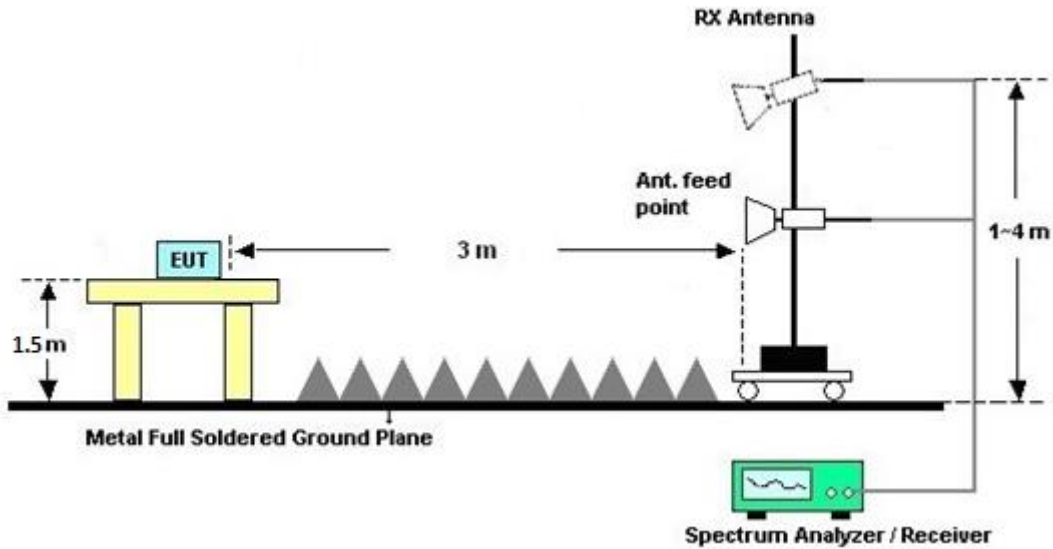


For radiated emissions from 30MHz to 1GHz





For radiated emissions above 1GHz



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

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

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

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

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

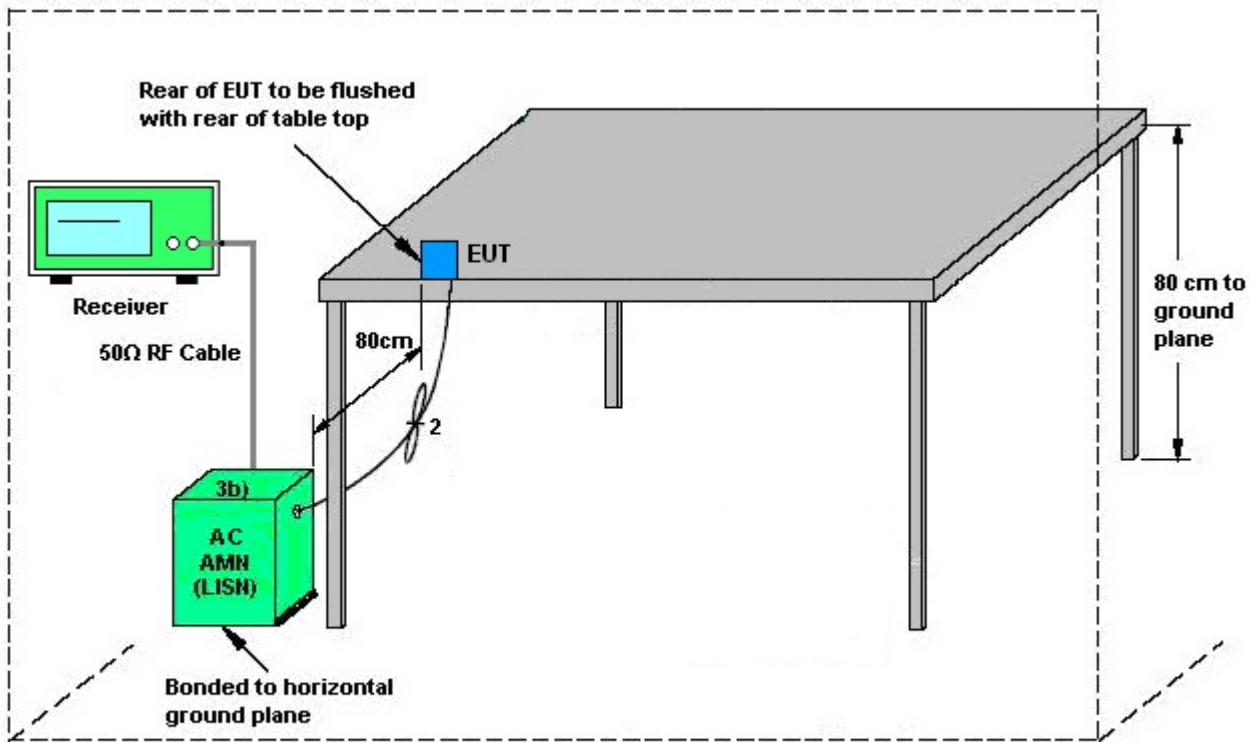
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



AMN = Artificial mains network (LISN)  
AE = Associated equipment  
EUT = Equipment under test  
ISN = Impedance stabilization network

### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

## 3.6 Frequency Stability Measurement

### 3.6.1 Limit of Frequency Stability

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

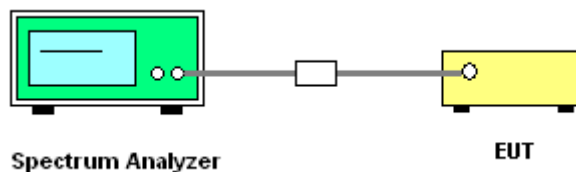
### 3.6.2 Measuring Instruments

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

### 3.6.3 Test Procedures

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

### 3.6.4 Test Setup



### 3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

The frequency band 5180-5240MHz which was verified by testing against other standard is less than 20 ppm which is sufficient to maintain the signal within the 5150-5250MHz band.



## **3.7 Automatically Discontinue Transmission**

### **3.7.1 Limit of Automatically Discontinue Transmission**

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

### **3.7.2 Measuring Instruments**

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

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

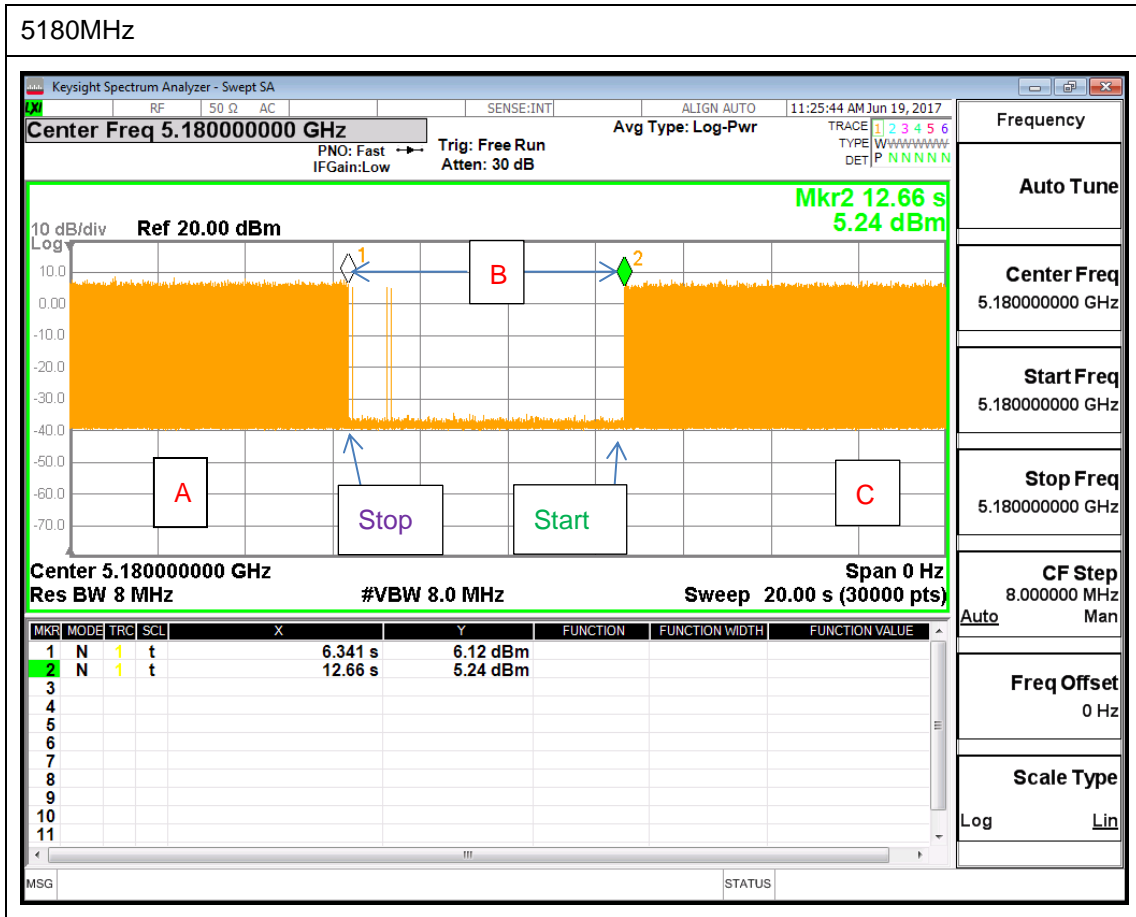
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- 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.



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



### 3.8 Antenna Requirements

#### 3.8.1 Standard Applicable

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

#### 3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

#### 3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

For power, the directional gain  $G_{ANT}$  is set equal to the antenna having the highest gain, i.e., F)2)f)i).

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

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

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

|          |                |                | DG<br>for<br>Power<br>(dBi) | DG<br>for<br>PSD<br>(dBi) | Power<br>Limit<br>Reduction<br>(dB) | PSD<br>Limit<br>Reduction<br>(dB) |
|----------|----------------|----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------------------|
|          | Ant 1<br>(dBi) | Ant 2<br>(dBi) |                             |                           |                                     |                                   |
| Band I   | 3.90           | 1.70           | 3.90                        | 5.88                      | 0.00                                | 0.00                              |
| Band II  | 3.90           | 1.70           | 3.90                        | 5.88                      | 0.00                                | 0.00                              |
| Band III | 3.90           | 1.70           | 3.90                        | 5.88                      | 0.00                                | 0.00                              |

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

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



## 4 List of Measuring Equipment

| Instrument                | Manufacturer    | Model No.               | Serial No.         | Characteristics    | Calibration Date | Test Date                       | Due Date      | Remark                   |
|---------------------------|-----------------|-------------------------|--------------------|--------------------|------------------|---------------------------------|---------------|--------------------------|
| Power Meter               | Anritsu         | ML2495A                 | 0932001            | 300MHz~40GHz       | Sep. 29, 2016    | May 03, 2017 ~<br>Jun. 09, 2017 | Sep. 28, 2017 | Conducted<br>(TH05-HY)   |
| Power Sensor              | Anritsu         | MA2411B                 | 0846202            | 300MHz~40GHz       | Sep. 29, 2016    | May 03, 2017 ~<br>Jun. 09, 2017 | Sep. 28, 2017 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer         | Rohde & Schwarz | FSP40                   | 100055             | 9kHz-40GHz         | Jul. 17, 2016    | May 03, 2017 ~<br>Jun. 09, 2017 | Jul. 16, 2017 | Conducted<br>(TH05-HY)   |
| Temperature Chamber       | ESPEC           | SH-641                  | 92013720           | -40°C ~90°C        | Sep. 01, 2016    | May 03, 2017 ~<br>Jun. 09, 2017 | Aug. 31, 2017 | Conducted<br>(TH05-HY)   |
| Programmable Power Supply | GW Instek       | PSS-2005                | EL890094           | 1V~20V<br>0.5A~5A  | Oct. 11, 2016    | May 03, 2017 ~<br>Jun. 09, 2017 | Oct. 10, 2017 | Conducted<br>(TH05-HY)   |
| AC Power Source           | ChainTek        | APC-1000W               | N/A                | N/A                | N/A              | May 20, 2017                    | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver         | Rohde & Schwarz | ESCI 7                  | 100724             | 9kHz~7GHz          | Aug. 30, 2016    | May 20, 2017                    | Aug. 29, 2017 | Conduction<br>(CO05-HY)  |
| LISN                      | Rohde & Schwarz | ENV216                  | 100080             | 9kHz~30MHz         | Nov. 29, 2016    | May 20, 2017                    | Nov. 28, 2017 | Conduction<br>(CO05-HY)  |
| LISN                      | Rohde & Schwarz | ENV216                  | 100081             | 9kHz~30MHz         | Dec. 06, 2016    | May 20, 2017                    | Dec. 05, 2017 | Conduction<br>(CO05-HY)  |
| Spectrum Analyzer         | Keysight        | N9010A                  | MY54200486         | 10Hz ~ 44GHz       | Oct. 12, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Oct. 11, 2017 | Radiation<br>(03CH11-HY) |
| EMI Test Receiver         | Agilent         | N9038A(MXE)             | MY53290053         | 20Hz to<br>26.5GHz | Jan. 12, 2017    | May 12, 2017 ~<br>Jun. 08, 2017 | Jan. 11, 2018 | Radiation<br>(03CH11-HY) |
| Loop Antenna              | Rohde & Schwarz | HFH2-Z2                 | 100488             | 9 kHz~30 MHz       | Oct. 20, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Oct. 19, 2018 | Radiation<br>(03CH11-HY) |
| Bilog Antenna             | TESEQ           | CBL<br>6111D&N-6-06     | 35414&AT-N<br>0602 | 30MHz~1GHz         | Oct. 15, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Oct. 14, 2017 | Radiation<br>(03CH11-HY) |
| Horn Antenna              | SCHWARZBE<br>CK | BBHA 9120 D             | 9120D-1326         | 1GHz ~ 18GHz       | Oct. 07, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Oct. 06, 2017 | Radiation<br>(03CH11-HY) |
| SHF-EHF Horn Antenna      | SCHWARZBE<br>CK | BBHA 9170               | BBHA917058<br>4    | 18GHz- 40GHz       | Nov. 08, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Nov. 07, 2017 | Radiation<br>(03CH11-HY) |
| Amplifier                 | SONOMA          | 310N                    | 187312             | 9kHz~1GHz          | Nov. 10, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Nov. 09, 2017 | Radiation<br>(03CH11-HY) |
| Preamplifier              | Keysight        | 83017A                  | MY53270080         | 1GHz~26.5GHz       | Nov. 10, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Nov. 09, 2017 | Radiation<br>(03CH11-HY) |
| Preamplifier              | MITEQ           | AMF-7D-0010<br>1800     | 2025787            | 1GHz~18GHz         | Feb. 13, 2017    | May 12, 2017 ~<br>Jun. 08, 2017 | Feb. 12, 2018 | Radiation<br>(03CH11-HY) |
| Preamplifier              | MITEQ           | JS44-1800400<br>0-33-8P | 1840917            | 18GHz ~ 40GHz      | Jun. 14, 2016    | May 12, 2017 ~<br>Jun. 08, 2017 | Jun. 13, 2017 | Radiation<br>(03CH11-HY) |
| Antenna Mast              | EMEC            | AM-BS-4500-B            | N/A                | 1~4m               | N/A              | May 12, 2017 ~<br>Jun. 08, 2017 | N/A           | Radiation<br>(03CH11-HY) |
| Turn Table                | EMEC            | TT 2000                 | N/A                | 0~360 Degree       | N/A              | May 12, 2017 ~<br>Jun. 08, 2017 | N/A           | Radiation<br>(03CH11-HY) |





## 5 Uncertainty of Evaluation

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.7 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.2 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.5 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.2 |
|-------------------------------------------------------------------------|-----|

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

|                |                     |                    |       |    |
|----------------|---------------------|--------------------|-------|----|
| Test Engineer: | Kai Lian            | Temperature:       | 21~25 | °C |
| Test Date:     | 2017/5/3 ~ 2017/6/9 | Relative Humidity: | 51~54 | %  |

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

| Band I |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |      |
|--------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.   | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|        |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 17.35               | 17.50 | 25.05                 | 25.25 | -                                  | -     | 22.39                             | 22.43 |      |
| 11a    | 6Mbps     | 1   | 44  | 5220        | 17.35               | 17.25 | 24.73                 | 24.40 | -                                  | -     | 22.39                             | 22.37 |      |
| 11a    | 6Mbps     | 1   | 48  | 5240        | 17.30               | 17.30 | 25.10                 | 24.85 | -                                  | -     | 22.38                             | 22.38 |      |
| HT20   | MCS0      | 1   | 36  | 5180        | 17.20               | 18.40 | 25.00                 | 25.25 | -                                  | -     | 22.36                             | 22.65 |      |
| HT20   | MCS0      | 1   | 44  | 5220        | 17.25               | 18.30 | 24.34                 | 26.05 | -                                  | -     | 22.37                             | 22.62 |      |
| HT20   | MCS0      | 1   | 48  | 5240        | 17.35               | 18.45 | 26.05                 | 26.05 | -                                  | -     | 22.39                             | 22.66 |      |
| HT40   | MCS0      | 1   | 38  | 5190        | 36.30               | 36.30 | 42.12                 | 41.94 | -                                  | -     | 23.01                             | 23.01 |      |
| HT40   | MCS0      | 1   | 46  | 5230        | 36.20               | 36.40 | 44.28                 | 43.38 | -                                  | -     | 23.01                             | 23.01 |      |
| VHT80  | MCS0      | 1   | 42  | 5210        | 75.36               | 75.36 | 82.24                 | 81.60 | -                                  | -     | 23.01                             | 23.01 |      |
| 11a    | 6Mbps     | 2   | 36  | 5180        | 17.30               | 17.20 | 24.80                 | 24.40 | -                                  | -     | 22.36                             |       |      |
| 11a    | 6Mbps     | 2   | 44  | 5220        | 17.30               | 17.40 | 25.10                 | 25.20 | -                                  | -     | 22.38                             |       |      |
| 11a    | 6Mbps     | 2   | 48  | 5240        | 17.70               | 17.55 | 24.55                 | 25.00 | -                                  | -     | 22.44                             |       |      |
| HT20   | MCS0      | 2   | 36  | 5180        | 18.40               | 18.30 | 25.65                 | 26.30 | -                                  | -     | 22.62                             |       |      |
| HT20   | MCS0      | 2   | 44  | 5220        | 18.30               | 18.30 | 25.80                 | 25.55 | -                                  | -     | 22.62                             |       |      |
| HT20   | MCS0      | 2   | 48  | 5240        | 18.45               | 18.35 | 26.10                 | 26.15 | -                                  | -     | 22.64                             |       |      |
| HT40   | MCS0      | 2   | 38  | 5190        | 36.40               | 36.20 | 42.48                 | 43.02 | -                                  | -     | 23.01                             |       |      |
| HT40   | MCS0      | 2   | 46  | 5230        | 36.30               | 36.40 | 44.46                 | 44.10 | -                                  | -     | 23.01                             |       |      |
| VHT80  | MCS0      | 2   | 42  | 5210        | 75.60               | 75.48 | 81.92                 | 80.96 | -                                  | -     | 23.01                             |       |      |

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

| FCC Band I |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |           |
|------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.       | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|            |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a        | 6Mbps     | 1   | 36  | 5180        | 0.08             | 0.06  | 12.47                         | 12.34 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 0.08             | 0.06  | 13.24                         | 13.37 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 0.08             | 0.06  | 13.48                         | 13.19 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| HT20       | MCS0      | 1   | 36  | 5180        | 0.07             | 0.07  | 12.49                         | 12.46 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| HT20       | MCS0      | 1   | 44  | 5220        | 0.07             | 0.07  | 13.47                         | 13.37 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| HT20       | MCS0      | 1   | 48  | 5240        | 0.07             | 0.07  | 13.17                         | 13.31 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| HT40       | MCS0      | 1   | 38  | 5190        | 0.14             | 0.14  | 11.86                         | 11.70 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| HT40       | MCS0      | 1   | 46  | 5230        | 0.14             | 0.14  | 14.59                         | 14.55 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| VHT20      | MCS0      | 1   | 36  | 5180        | 0.07             | 0.07  | 12.33                         | 12.44 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| VHT20      | MCS0      | 1   | 44  | 5220        | 0.07             | 0.07  | 13.42                         | 13.32 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| VHT20      | MCS0      | 1   | 48  | 5240        | 0.07             | 0.07  | 13.10                         | 13.18 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| VHT40      | MCS0      | 1   | 38  | 5190        | 0.14             | 0.14  | 11.83                         | 11.64 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| VHT40      | MCS0      | 1   | 46  | 5230        | 0.14             | 0.14  | 14.55                         | 14.51 |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| VHT80      | MCS0      | 1   | 42  | 5210        | 0.27             | 0.31  | 9.58                          | 9.51  |       | 21.00                           | 21.00 | 3.90     | 1.70  | Pass      |
| 11a        | 6Mbps     | 2   | 36  | 5180        | 0.06             | 0.08  | 9.36                          | 9.58  | 12.49 | 21.00                           |       | 3.90     |       | Pass      |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 0.06             | 0.08  | 10.31                         | 10.39 | 13.36 | 21.00                           |       | 3.90     |       | Pass      |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 0.06             | 0.08  | 10.17                         | 10.76 | 13.49 | 21.00                           |       | 3.90     |       | Pass      |
| HT20       | MCS0      | 2   | 36  | 5180        | 0.07             | 0.07  | 9.13                          | 9.15  | 12.15 | 21.00                           |       | 3.90     |       | Pass      |
| HT20       | MCS0      | 2   | 44  | 5220        | 0.07             | 0.07  | 10.47                         | 10.42 | 13.45 | 21.00                           |       | 3.90     |       | Pass      |
| HT20       | MCS0      | 2   | 48  | 5240        | 0.07             | 0.07  | 10.19                         | 9.88  | 13.05 | 21.00                           |       | 3.90     |       | Pass      |
| HT40       | MCS0      | 2   | 38  | 5190        | 0.18             | 0.14  | 9.12                          | 8.75  | 11.95 | 21.00                           |       | 3.90     |       | Pass      |
| HT40       | MCS0      | 2   | 46  | 5230        | 0.18             | 0.14  | 11.58                         | 12.34 | 14.99 | 21.00                           |       | 3.90     |       | Pass      |
| VHT20      | MCS0      | 2   | 36  | 5180        | 0.17             | 0.13  | 8.75                          | 8.94  | 11.86 | 21.00                           |       | 3.90     |       | Pass      |
| VHT20      | MCS0      | 2   | 44  | 5220        | 0.17             | 0.13  | 9.97                          | 10.38 | 13.19 | 21.00                           |       | 3.90     |       | Pass      |
| VHT20      | MCS0      | 2   | 48  | 5240        | 0.17             | 0.13  | 9.79                          | 9.70  | 12.76 | 21.00                           |       | 3.90     |       | Pass      |
| VHT40      | MCS0      | 2   | 38  | 5190        | 0.24             | 0.27  | 9.01                          | 8.80  | 11.92 | 21.00                           |       | 3.90     |       | Pass      |
| VHT40      | MCS0      | 2   | 46  | 5230        | 0.24             | 0.27  | 11.56                         | 11.61 | 14.60 | 21.00                           |       | 3.90     |       | Pass      |
| VHT80      | MCS0      | 2   | 42  | 5210        | 0.45             | 0.45  | 7.39                          | 7.48  | 10.45 | 21.00                           |       | 3.90     |       | Pass      |

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

| FCC Band I |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |            |
|------------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.       | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|            |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a        | 6Mbps     | 1   | 36  | 5180        | 0.08             | 0.06  | 0.99                            | 0.41  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a        | 6Mbps     | 1   | 44  | 5220        | 0.08             | 0.06  | 2.03                            | 1.78  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a        | 6Mbps     | 1   | 48  | 5240        | 0.08             | 0.06  | 0.08                            | 1.74  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20       | MCS0      | 1   | 36  | 5180        | 0.07             | 0.07  | 1.70                            | 1.29  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20       | MCS0      | 1   | 44  | 5220        | 0.07             | 0.07  | 2.27                            | 2.47  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20       | MCS0      | 1   | 48  | 5240        | 0.07             | 0.07  | 2.12                            | 2.27  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40       | MCS0      | 1   | 38  | 5190        | 0.14             | 0.14  | -2.37                           | -2.54 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40       | MCS0      | 1   | 46  | 5230        | 0.14             | 0.14  | 0.27                            | 0.37  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| VHT80      | MCS0      | 1   | 42  | 5210        | 0.27             | 0.31  | -7.73                           | -7.40 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a        | 6Mbps     | 2   | 36  | 5180        | 0.06             | 0.08  |                                 |       | 0.72  | 11.00                       |       | 5.88     |       | Pass       |
| 11a        | 6Mbps     | 2   | 44  | 5220        | 0.06             | 0.08  |                                 |       | 2.32  | 11.00                       |       | 5.88     |       | Pass       |
| 11a        | 6Mbps     | 2   | 48  | 5240        | 0.06             | 0.08  |                                 |       | 2.72  | 11.00                       |       | 5.88     |       | Pass       |
| HT20       | MCS0      | 2   | 36  | 5180        | 0.07             | 0.07  |                                 |       | 1.23  | 11.00                       |       | 5.88     |       | Pass       |
| HT20       | MCS0      | 2   | 44  | 5220        | 0.07             | 0.07  |                                 |       | 2.30  | 11.00                       |       | 5.88     |       | Pass       |
| HT20       | MCS0      | 2   | 48  | 5240        | 0.07             | 0.07  |                                 |       | 2.26  | 11.00                       |       | 5.88     |       | Pass       |
| HT40       | MCS0      | 2   | 38  | 5190        | 0.18             | 0.14  |                                 |       | -1.91 | 11.00                       |       | 5.88     |       | Pass       |
| HT40       | MCS0      | 2   | 46  | 5230        | 0.18             | 0.14  |                                 |       | 0.87  | 11.00                       |       | 5.88     |       | Pass       |
| VHT80      | MCS0      | 2   | 42  | 5210        | 0.45             | 0.45  |                                 |       | -5.90 | 11.00                       |       | 5.88     |       | Pass       |

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

| Band II |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |                                      |       |      |
|---------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|         |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a     | 6Mbps     | 1   | 52  | 5260        | 17.40               | 17.60 | 24.60                 | 25.15 | 23.41                              | 23.46 | 29.41                             | 29.46 | 23.98                                | 23.98 |      |
| 11a     | 6Mbps     | 1   | 60  | 5300        | 17.30               | 17.25 | 24.85                 | 24.80 | 23.38                              | 23.37 | 29.38                             | 29.37 | 23.98                                | 23.98 |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 17.35               | 17.15 | 25.60                 | 24.95 | 23.39                              | 23.34 | 29.39                             | 29.34 | 23.98                                | 23.98 |      |
| HT20    | MCS0      | 1   | 52  | 5260        | 18.35               | 18.35 | 26.15                 | 25.60 | 23.64                              | 23.64 | 29.64                             | 29.64 | 23.98                                | 23.98 |      |
| HT20    | MCS0      | 1   | 60  | 5300        | 18.40               | 18.35 | 26.40                 | 26.15 | 23.65                              | 23.64 | 29.65                             | 29.64 | 23.98                                | 23.98 |      |
| HT20    | MCS0      | 1   | 64  | 5320        | 18.40               | 18.30 | 26.05                 | 26.10 | 23.65                              | 23.62 | 29.65                             | 29.62 | 23.98                                | 23.98 |      |
| HT40    | MCS0      | 1   | 54  | 5270        | 36.20               | 36.30 | 43.84                 | 43.64 | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| HT40    | MCS0      | 1   | 62  | 5310        | 36.30               | 36.20 | 44.05                 | 44.10 | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| VHT80   | MCS0      | 1   | 58  | 5290        | 75.48               | 75.36 | 81.78                 | 82.02 | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 17.80               | 17.45 | 25.10                 | 24.90 | 23.42                              |       | 29.42                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 17.30               | 17.20 | 25.75                 | 24.25 | 23.36                              |       | 29.36                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 17.50               | 17.40 | 25.00                 | 25.65 | 23.41                              |       | 29.41                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 52  | 5260        | 18.35               | 18.30 | 25.95                 | 26.15 | 23.62                              |       | 29.62                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 60  | 5300        | 18.30               | 18.35 | 25.80                 | 25.00 | 23.62                              |       | 29.62                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 64  | 5320        | 18.30               | 18.40 | 26.30                 | 25.70 | 23.62                              |       | 29.62                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 54  | 5270        | 36.30               | 36.40 | 44.55                 | 44.23 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 62  | 5310        | 36.40               | 36.30 | 44.73                 | 43.74 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80   | MCS0      | 2   | 58  | 5290        | 75.24               | 75.48 | 81.28                 | 80.32 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| FCC Band II |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |                        |           |
|-------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.        | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|             |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a         | 6Mbps     | 1   | 52  | 5260        | 0.08             | 0.06  | 14.50                         | 14.45 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| 11a         | 6Mbps     | 1   | 60  | 5300        | 0.08             | 0.06  | 14.16                         | 14.12 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| 11a         | 6Mbps     | 1   | 64  | 5320        | 0.08             | 0.06  | 11.72                         | 11.83 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT20        | MCS0      | 1   | 52  | 5260        | 0.07             | 0.07  | 14.45                         | 14.29 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT20        | MCS0      | 1   | 60  | 5300        | 0.07             | 0.07  | 14.14                         | 14.13 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT20        | MCS0      | 1   | 64  | 5320        | 0.07             | 0.07  | 11.99                         | 11.75 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT40        | MCS0      | 1   | 54  | 5270        | 0.14             | 0.14  | 14.99                         | 14.86 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT40        | MCS0      | 1   | 62  | 5310        | 0.14             | 0.14  | 11.62                         | 11.71 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT20       | MCS0      | 1   | 52  | 5260        | 0.07             | 0.07  | 14.39                         | 14.20 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT20       | MCS0      | 1   | 60  | 5300        | 0.07             | 0.07  | 14.07                         | 14.07 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT20       | MCS0      | 1   | 64  | 5320        | 0.07             | 0.07  | 11.90                         | 11.64 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT40       | MCS0      | 1   | 54  | 5270        | 0.14             | 0.14  | 14.70                         | 14.40 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT40       | MCS0      | 1   | 62  | 5310        | 0.14             | 0.14  | 11.59                         | 11.59 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT80       | MCS0      | 1   | 58  | 5290        | 0.27             | 0.31  | 11.00                         | 10.95 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| 11a         | 6Mbps     | 2   | 52  | 5260        | 0.06             | 0.08  | 11.44                         | 11.48 | 14.47 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| 11a         | 6Mbps     | 2   | 60  | 5300        | 0.06             | 0.08  | 11.34                         | 11.35 | 14.36 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| 11a         | 6Mbps     | 2   | 64  | 5320        | 0.06             | 0.08  | 8.94                          | 8.58  | 11.78 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT20        | MCS0      | 2   | 52  | 5260        | 0.07             | 0.07  | 11.38                         | 11.59 | 14.49 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT20        | MCS0      | 2   | 60  | 5300        | 0.07             | 0.07  | 11.35                         | 11.34 | 14.35 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT20        | MCS0      | 2   | 64  | 5320        | 0.07             | 0.07  | 9.07                          | 8.90  | 11.99 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT40        | MCS0      | 2   | 54  | 5270        | 0.18             | 0.14  | 11.68                         | 12.10 | 14.90 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT40        | MCS0      | 2   | 62  | 5310        | 0.18             | 0.14  | 8.66                          | 9.05  | 11.87 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT20       | MCS0      | 2   | 52  | 5260        | 0.17             | 0.13  | 11.49                         | 11.44 | 14.48 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT20       | MCS0      | 2   | 60  | 5300        | 0.17             | 0.13  | 11.35                         | 11.30 | 14.34 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT20       | MCS0      | 2   | 64  | 5320        | 0.17             | 0.13  | 8.58                          | 8.77  | 11.69 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT40       | MCS0      | 2   | 54  | 5270        | 0.24             | 0.27  | 11.55                         | 11.56 | 14.57 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT40       | MCS0      | 2   | 62  | 5310        | 0.24             | 0.27  | 8.84                          | 8.78  | 11.82 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT80       | MCS0      | 2   | 58  | 5290        | 0.45             | 0.45  | 8.67                          | 8.75  | 11.72 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |

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

| Band II |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |            |
|---------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|         |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a     | 6Mbps     | 1   | 52  | 5260        | 0.08             | 0.06  | 2.95                            | 3.07  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a     | 6Mbps     | 1   | 60  | 5300        | 0.08             | 0.06  | 3.55                            | 2.74  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 0.08             | 0.06  | 0.59                            | 0.20  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20    | MCS0      | 1   | 52  | 5260        | 0.07             | 0.07  | 3.16                            | 3.17  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20    | MCS0      | 1   | 60  | 5300        | 0.07             | 0.07  | 3.43                            | 3.19  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20    | MCS0      | 1   | 64  | 5320        | 0.07             | 0.07  | 0.96                            | 0.86  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40    | MCS0      | 1   | 54  | 5270        | 0.14             | 0.14  | 0.68                            | 0.73  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40    | MCS0      | 1   | 62  | 5310        | 0.14             | 0.14  | -2.35                           | -2.29 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| VHT80   | MCS0      | 1   | 58  | 5290        | 0.27             | 0.31  | -5.13                           | -5.64 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 0.06             | 0.08  |                                 |       | 4.50  | 11.00                       |       | 5.88     |       | Pass       |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 0.06             | 0.08  |                                 |       | 4.43  | 11.00                       |       | 5.88     |       | Pass       |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 0.06             | 0.08  |                                 |       | 1.13  | 11.00                       |       | 5.88     |       | Pass       |
| HT20    | MCS0      | 2   | 52  | 5260        | 0.07             | 0.07  |                                 |       | 3.66  | 11.00                       |       | 5.88     |       | Pass       |
| HT20    | MCS0      | 2   | 60  | 5300        | 0.07             | 0.07  |                                 |       | 3.62  | 11.00                       |       | 5.88     |       | Pass       |
| HT20    | MCS0      | 2   | 64  | 5320        | 0.07             | 0.07  |                                 |       | 1.12  | 11.00                       |       | 5.88     |       | Pass       |
| HT40    | MCS0      | 2   | 54  | 5270        | 0.18             | 0.14  |                                 |       | 0.69  | 11.00                       |       | 5.88     |       | Pass       |
| HT40    | MCS0      | 2   | 62  | 5310        | 0.18             | 0.14  |                                 |       | -2.18 | 11.00                       |       | 5.88     |       | Pass       |
| VHT80   | MCS0      | 2   | 58  | 5290        | 0.45             | 0.45  |                                 |       | -4.95 | 11.00                       |       | 5.88     |       | Pass       |



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

| Band III |           |     |     |             |                     |       |                       |        |                                    |       |                                   |       |                                      |       |      |
|----------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|          |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 17.15               | 17.30 | 25.05                 | 25.85  | 23.34                              | 23.38 | 29.34                             | 29.38 | 23.98                                | 23.98 |      |
| 11a      | 6Mbps     | 1   | 116 | 5580        | 17.40               | 17.55 | 26.05                 | 26.65  | 23.41                              | 23.44 | 29.41                             | 29.44 | 23.98                                | 23.98 |      |
| 11a      | 6Mbps     | 1   | 140 | 5700        | 17.35               | 17.15 | 25.15                 | 25.10  | 23.39                              | 23.34 | 29.39                             | 29.34 | 23.98                                | 23.98 |      |
| 11a      | 6Mbps     | 1   | 144 | 5720        | 17.25               | 17.05 | 25.50                 | 24.60  | 23.37                              | 23.32 | 29.37                             | 29.32 | 23.98                                | 23.98 |      |
| HT20     | MCS0      | 1   | 100 | 5500        | 18.35               | 18.35 | 26.60                 | 25.25  | 23.64                              | 23.64 | 29.64                             | 29.64 | 23.98                                | 23.98 |      |
| HT20     | MCS0      | 1   | 116 | 5580        | 18.50               | 18.45 | 26.90                 | 27.35  | 23.67                              | 23.66 | 29.67                             | 29.66 | 23.98                                | 23.98 |      |
| HT20     | MCS0      | 1   | 140 | 5700        | 18.45               | 18.35 | 25.60                 | 26.15  | 23.66                              | 23.64 | 29.66                             | 29.64 | 23.98                                | 23.98 |      |
| HT20     | MCS0      | 1   | 144 | 5720        | 18.40               | 18.35 | 26.15                 | 25.65  | 23.65                              | 23.64 | 29.65                             | 29.64 | 23.98                                | 23.98 |      |
| HT40     | MCS0      | 1   | 102 | 5510        | 36.30               | 36.40 | 43.66                 | 43.02  | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| HT40     | MCS0      | 1   | 110 | 5550        | 36.30               | 36.30 | 43.74                 | 44.39  | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| HT40     | MCS0      | 1   | 134 | 5670        | 36.30               | 36.40 | 44.95                 | 45.18  | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| HT40     | MCS0      | 1   | 142 | 5710        | 36.40               | 36.30 | 45.00                 | 43.92  | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| VHT80    | MCS0      | 1   | 106 | 5530        | 75.36               | 75.36 | 81.60                 | 81.92  | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| VHT80    | MCS0      | 1   | 122 | 5610        | 75.60               | 75.48 | 87.08                 | 81.60  | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| VHT80    | MCS0      | 1   | 138 | 5690        | 75.48               | 75.60 | 101.12                | 130.85 | 23.98                              | 23.98 | 30.00                             | 30.00 | 23.98                                | 23.98 |      |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 17.10               | 17.20 | 24.75                 | 23.43  | 23.33                              |       | 29.33                             |       | 23.98                                |       |      |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 17.45               | 17.35 | 25.60                 | 25.70  | 23.39                              |       | 29.39                             |       | 23.98                                |       |      |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 17.35               | 17.45 | 24.10                 | 25.30  | 23.39                              |       | 29.39                             |       | 23.98                                |       |      |
| 11a      | #####     | 2   | 144 | 5720        | 17.35               | 17.30 | 25.50                 | 24.60  | 23.38                              |       | 29.38                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 100 | 5500        | 18.30               | 18.35 | 25.60                 | 26.25  | 23.62                              |       | 29.62                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 116 | 5580        | 18.40               | 18.40 | 26.15                 | 26.35  | 23.65                              |       | 29.65                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 140 | 5700        | 18.35               | 18.30 | 26.70                 | 25.50  | 23.62                              |       | 29.62                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 144 | 5720        | 18.40               | 18.45 | 26.70                 | 25.70  | 23.65                              |       | 29.65                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 102 | 5510        | 36.30               | 36.30 | 42.30                 | 43.02  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 110 | 5550        | 36.40               | 36.30 | 43.66                 | 43.66  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 134 | 5670        | 36.30               | 36.40 | 44.64                 | 44.15  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 142 | 5710        | 36.40               | 36.30 | 43.72                 | 44.10  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80    | MCS0      | 2   | 106 | 5530        | 75.36               | 75.48 | 82.24                 | 80.96  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80    | MCS0      | 2   | 122 | 5610        | 75.60               | 75.60 | 81.39                 | 81.46  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80    | MCS0      | 2   | 138 | 5690        | 75.48               | 75.36 | 81.23                 | 81.78  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| FCC Band III |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |                        |           |
|--------------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.         | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a          | 6Mbps     | 1   | 100 | 5500        | 0.08             | 0.06  | 11.88                         | 11.98 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| 11a          | 6Mbps     | 1   | 116 | 5580        | 0.08             | 0.06  | 14.48                         | 14.02 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| 11a          | 6Mbps     | 1   | 140 | 5700        | 0.08             | 0.06  | 11.49                         | 11.47 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| 11a          | 6Mbps     | 1   | 144 | 5720        | 0.08             | 0.06  | 13.43                         | 13.73 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT20         | MCS0      | 1   | 100 | 5500        | 0.07             | 0.07  | 11.89                         | 11.92 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT20         | MCS0      | 1   | 116 | 5580        | 0.07             | 0.07  | 14.46                         | 14.02 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT20         | MCS0      | 1   | 140 | 5700        | 0.07             | 0.07  | 11.35                         | 11.37 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT20         | MCS0      | 1   | 144 | 5720        | 0.07             | 0.07  | 13.37                         | 13.88 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT40         | MCS0      | 1   | 102 | 5510        | 0.14             | 0.14  | 11.70                         | 11.96 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT40         | MCS0      | 1   | 110 | 5550        | 0.14             | 0.14  | 14.89                         | 14.84 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT40         | MCS0      | 1   | 134 | 5670        | 0.14             | 0.14  | 14.75                         | 14.52 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| HT40         | MCS0      | 1   | 142 | 5710        | 0.14             | 0.14  | 14.90                         | 14.70 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT20        | MCS0      | 1   | 100 | 5500        | 0.07             | 0.07  | 11.65                         | 11.88 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT20        | MCS0      | 1   | 116 | 5580        | 0.07             | 0.07  | 14.37                         | 14.00 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT20        | MCS0      | 1   | 140 | 5700        | 0.07             | 0.07  | 11.28                         | 11.28 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT20        | MCS0      | 1   | 144 | 5720        | 0.07             | 0.07  | 13.34                         | 13.70 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT40        | MCS0      | 1   | 102 | 5510        | 0.14             | 0.14  | 11.68                         | 11.90 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT40        | MCS0      | 1   | 110 | 5550        | 0.14             | 0.14  | 14.63                         | 14.79 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT40        | MCS0      | 1   | 134 | 5670        | 0.14             | 0.14  | 14.51                         | 14.47 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT40        | MCS0      | 1   | 142 | 5710        | 0.14             | 0.14  | 14.73                         | 14.45 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT80        | MCS0      | 1   | 106 | 5530        | 0.27             | 0.31  | 11.59                         | 11.99 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT80        | MCS0      | 1   | 122 | 5610        | 0.27             | 0.31  | 14.88                         | 14.58 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| VHT80        | MCS0      | 1   | 138 | 5690        | 0.27             | 0.31  | 14.87                         | 14.72 |       | 23.98                           | 23.98 | 3.90     | 1.70  | 26.99                  | Pass      |
| 11a          | 6Mbps     | 2   | 100 | 5500        | 0.06             | 0.08  | 8.89                          | 9.07  | 11.99 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| 11a          | 6Mbps     | 2   | 116 | 5580        | 0.06             | 0.08  | 11.41                         | 11.53 | 14.48 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| 11a          | 6Mbps     | 2   | 140 | 5700        | 0.06             | 0.08  | 8.16                          | 8.03  | 11.11 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| 11a          | 6Mbps     | 2   | 144 | 5720        | 0.06             | 0.08  | 10.74                         | 11.05 | 13.91 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT20         | MCS0      | 2   | 100 | 5500        | 0.07             | 0.07  | 8.79                          | 9.08  | 11.95 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT20         | MCS0      | 2   | 116 | 5580        | 0.07             | 0.07  | 11.42                         | 11.50 | 14.47 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT20         | MCS0      | 2   | 140 | 5700        | 0.07             | 0.07  | 8.53                          | 8.21  | 11.38 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT20         | MCS0      | 2   | 144 | 5720        | 0.07             | 0.07  | 10.87                         | 10.84 | 13.86 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT40         | MCS0      | 2   | 102 | 5510        | 0.18             | 0.14  | 8.86                          | 9.03  | 11.96 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT40         | MCS0      | 2   | 110 | 5550        | 0.18             | 0.14  | 11.93                         | 11.93 | 14.94 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT40         | MCS0      | 2   | 134 | 5670        | 0.18             | 0.14  | 11.72                         | 11.70 | 14.72 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| HT40         | MCS0      | 2   | 142 | 5710        | 0.18             | 0.14  | 11.47                         | 11.70 | 14.60 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT20        | MCS0      | 2   | 100 | 5500        | 0.17             | 0.13  | 8.67                          | 8.85  | 11.77 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT20        | MCS0      | 2   | 116 | 5580        | 0.17             | 0.13  | 11.42                         | 11.48 | 14.46 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT20        | MCS0      | 2   | 140 | 5700        | 0.17             | 0.13  | 7.90                          | 8.20  | 11.06 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT20        | MCS0      | 2   | 144 | 5720        | 0.17             | 0.13  | 10.52                         | 10.62 | 13.58 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT40        | MCS0      | 2   | 102 | 5510        | 0.24             | 0.27  | 8.82                          | 8.88  | 11.86 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT40        | MCS0      | 2   | 110 | 5550        | 0.24             | 0.27  | 11.94                         | 11.77 | 14.87 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT40        | MCS0      | 2   | 134 | 5670        | 0.24             | 0.27  | 11.54                         | 11.34 | 14.45 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT40        | MCS0      | 2   | 142 | 5710        | 0.24             | 0.27  | 11.27                         | 11.32 | 14.31 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT80        | MCS0      | 2   | 106 | 5530        | 0.45             | 0.45  | 8.86                          | 8.64  | 11.76 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT80        | MCS0      | 2   | 122 | 5610        | 0.45             | 0.45  | 11.68                         | 11.95 | 14.83 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |
| VHT80        | MCS0      | 2   | 138 | 5690        | 0.45             | 0.45  | 11.72                         | 11.65 | 14.70 | 23.98                           |       | 3.90     |       | 26.99                  | Pass      |

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

| Band III |           |     |     |             |                  |       |                                 |       |       |                             |       |          |       |            |
|----------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       | Pass /Fail |
|          |           |     |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |            |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 0.08             | 0.06  | 0.94                            | 0.46  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a      | 6Mbps     | 1   | 116 | 5580        | 0.08             | 0.06  | 4.08                            | 3.01  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a      | 6Mbps     | 1   | 140 | 5700        | 0.08             | 0.06  | 0.77                            | 0.85  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a      | 6Mbps     | 1   | 144 | 5720        | 0.08             | 0.06  | 2.91                            | 2.69  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20     | MCS0      | 1   | 100 | 5500        | 0.07             | 0.07  | 1.05                            | 0.95  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20     | MCS0      | 1   | 116 | 5580        | 0.07             | 0.07  | 4.18                            | 3.72  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20     | MCS0      | 1   | 140 | 5700        | 0.07             | 0.07  | 0.76                            | 0.84  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT20     | MCS0      | 1   | 144 | 5720        | 0.07             | 0.07  | 2.97                            | 3.43  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40     | MCS0      | 1   | 102 | 5510        | 0.14             | 0.14  | -2.46                           | -2.08 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40     | MCS0      | 1   | 110 | 5550        | 0.14             | 0.14  | 1.19                            | 1.31  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40     | MCS0      | 1   | 134 | 5670        | 0.14             | 0.14  | 1.39                            | 0.87  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| HT40     | MCS0      | 1   | 142 | 5710        | 0.14             | 0.14  | 1.30                            | 0.93  |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| VHT80    | MCS0      | 1   | 106 | 5530        | 0.27             | 0.31  | -5.18                           | -5.22 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| VHT80    | MCS0      | 1   | 122 | 5610        | 0.27             | 0.31  | -1.59                           | -2.10 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| VHT80    | MCS0      | 1   | 138 | 5690        | 0.27             | 0.31  | -1.65                           | -1.66 |       | 11.00                       | 11.00 | 3.90     | 1.70  | Pass       |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 0.06             | 0.08  |                                 |       | 1.34  | 11.00                       |       | 5.88     |       | Pass       |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 0.06             | 0.08  |                                 |       | 4.19  | 11.00                       |       | 5.88     |       | Pass       |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 0.06             | 0.08  |                                 |       | 0.77  | 11.00                       |       | 5.88     |       | Pass       |
| 11a      | 6Mbps     | 2   | 144 | 5720        | 0.06             | 0.08  |                                 |       | 3.50  | 11.00                       |       | 5.88     |       | Pass       |
| HT20     | MCS0      | 2   | 100 | 5500        | 0.07             | 0.07  |                                 |       | 1.43  | 11.00                       |       | 5.88     |       | Pass       |
| HT20     | MCS0      | 2   | 116 | 5580        | 0.07             | 0.07  |                                 |       | 4.31  | 11.00                       |       | 5.88     |       | Pass       |
| HT20     | MCS0      | 2   | 140 | 5700        | 0.07             | 0.07  |                                 |       | 1.27  | 11.00                       |       | 5.88     |       | Pass       |
| HT20     | MCS0      | 2   | 144 | 5720        | 0.07             | 0.07  |                                 |       | 3.37  | 11.00                       |       | 5.88     |       | Pass       |
| HT40     | MCS0      | 2   | 102 | 5510        | 0.18             | 0.14  |                                 |       | -2.36 | 11.00                       |       | 5.88     |       | Pass       |
| HT40     | MCS0      | 2   | 110 | 5550        | 0.18             | 0.14  |                                 |       | 0.87  | 11.00                       |       | 5.88     |       | Pass       |
| HT40     | MCS0      | 2   | 134 | 5670        | 0.18             | 0.14  |                                 |       | 1.38  | 11.00                       |       | 5.88     |       | Pass       |
| HT40     | MCS0      | 2   | 142 | 5710        | 0.18             | 0.14  |                                 |       | 0.99  | 11.00                       |       | 5.88     |       | Pass       |
| VHT80    | MCS0      | 2   | 106 | 5530        | 0.45             | 0.45  |                                 |       | -4.89 | 11.00                       |       | 5.88     |       | Pass       |
| VHT80    | MCS0      | 2   | 122 | 5610        | 0.45             | 0.45  |                                 |       | -1.64 | 11.00                       |       | 5.88     |       | Pass       |
| VHT80    | MCS0      | 2   | 138 | 5690        | 0.45             | 0.45  |                                 |       | -1.69 | 11.00                       |       | 5.88     |       | Pass       |

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

| Band I |           |     |     |             |                        |                           |                           |                  |             |      |
|--------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod.   | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5179.950               | -0.050                    | -9.65                     | 50               | 3.7         |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5180.025               | 0.025                     | 4.83                      | -30              | 3.7         |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5180.000               | 0.000                     | 0.00                      | 20               | 4.2         |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5180.000               | 0.000                     | 0.00                      | 20               | 3.2         |      |
| 11a    | 6Mbps     | 1   | 36  | 5180        | 5179.950               | -0.050                    | -9.65                     | 20               | 3.7         |      |

| Band II |           |     |     |             |                        |                           |                           |                  |             |      |
|---------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5319.950               | -0.050                    | -9.40                     | 50               | 3.7         |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5320.025               | 0.025                     | 4.70                      | -30              | 3.7         |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5320.000               | 0.000                     | 0.00                      | 20               | 4.2         |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5320.000               | 0.000                     | 0.00                      | 20               | 3.2         |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 5319.925               | -0.075                    | -14.10                    | 20               | 3.7         |      |

| Band III |           |     |     |             |                        |                           |                           |                  |             |      |
|----------|-----------|-----|-----|-------------|------------------------|---------------------------|---------------------------|------------------|-------------|------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Center Frequency (MHz) | Frequency Deviation (MHz) | Frequency Stability (ppm) | Temperature (°C) | Voltage (V) | Note |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5499.975               | -0.025                    | -4.55                     | 50               | 3.7         |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5500.050               | 0.050                     | 9.09                      | -30              | 3.7         |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5500.000               | 0.000                     | 0.00                      | 20               | 4.2         |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5499.950               | -0.050                    | -9.09                     | 20               | 3.2         |      |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 5500.000               | 0.000                     | 0.00                      | 20               | 3.7         |      |



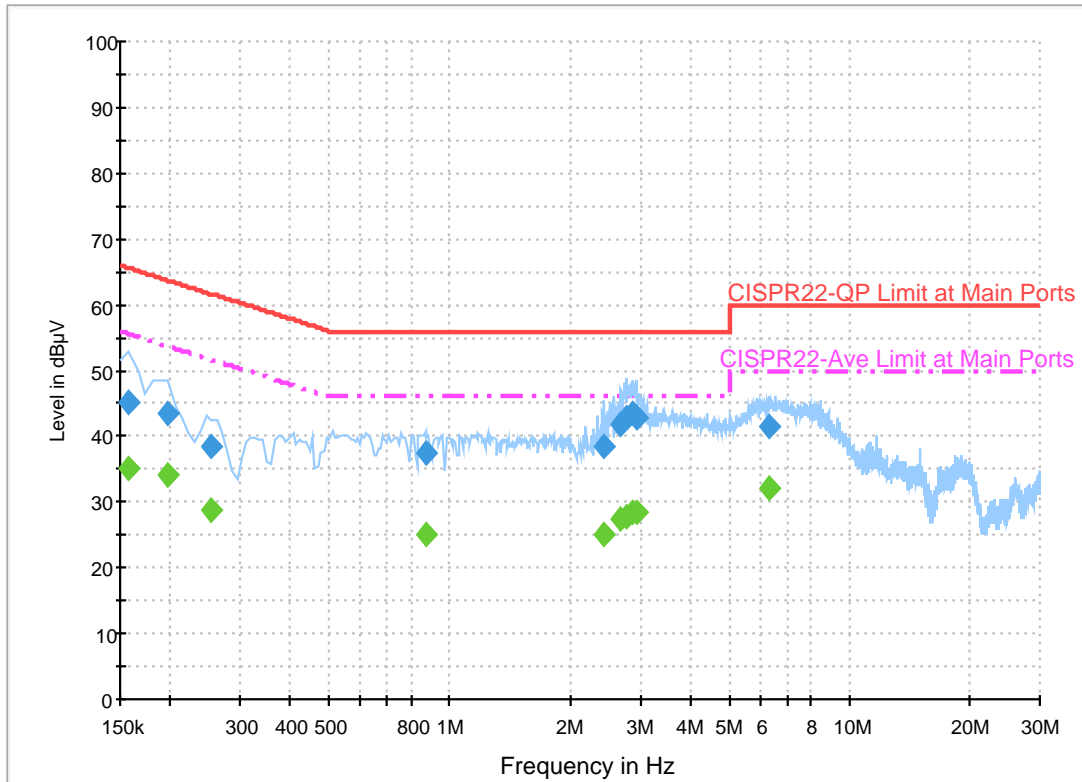
## Appendix B. AC Conducted Emission Test Results

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Engineer : | Eric Jeng | Temperature :       | 22~25°C |
|                 |           | Relative Humidity : | 51~54%  |

# EUT Information

Report NO : 742622  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

ENV216 Auto Test FCC Power Bar - L



## Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.158000        | 45.0             | Off    | L1   | 19.6       | 20.6        | 65.6         |
| 0.198000        | 43.6             | Off    | L1   | 19.6       | 20.1        | 63.7         |
| 0.254000        | 38.5             | Off    | L1   | 19.6       | 23.1        | 61.6         |
| 0.870000        | 37.4             | Off    | L1   | 19.6       | 18.6        | 56.0         |
| 2.446000        | 38.3             | Off    | L1   | 19.2       | 17.7        | 56.0         |
| 2.686000        | 41.8             | Off    | L1   | 19.4       | 14.2        | 56.0         |
| 2.766000        | 42.8             | Off    | L1   | 19.5       | 13.2        | 56.0         |
| 2.870000        | 43.4             | Off    | L1   | 19.5       | 12.6        | 56.0         |
| 2.942000        | 42.7             | Off    | L1   | 19.5       | 13.3        | 56.0         |
| 6.294000        | 41.3             | Off    | L1   | 19.8       | 18.7        | 60.0         |

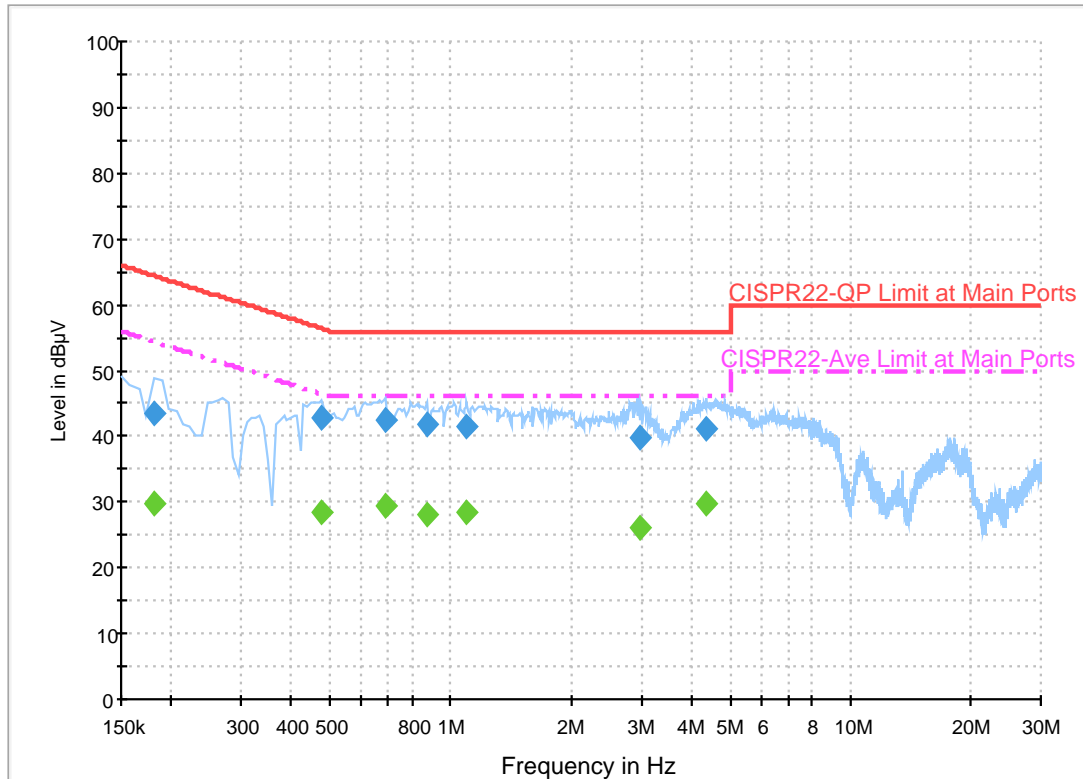
## Final Result 2

| Frequency (MHz) | Average (dBµV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.158000        | 35.0           | Off    | L1   | 19.6       | 20.6        | 55.6         |
| 0.198000        | 33.9           | Off    | L1   | 19.6       | 19.8        | 53.7         |
| 0.254000        | 28.8           | Off    | L1   | 19.6       | 22.8        | 51.6         |
| 0.870000        | 25.0           | Off    | L1   | 19.6       | 21.0        | 46.0         |
| 2.446000        | 25.0           | Off    | L1   | 19.2       | 21.0        | 46.0         |
| 2.686000        | 27.4           | Off    | L1   | 19.4       | 18.6        | 46.0         |
| 2.766000        | 27.8           | Off    | L1   | 19.5       | 18.2        | 46.0         |
| 2.870000        | 28.4           | Off    | L1   | 19.5       | 17.6        | 46.0         |
| 2.942000        | 28.3           | Off    | L1   | 19.5       | 17.7        | 46.0         |
| 6.294000        | 32.0           | Off    | L1   | 19.8       | 18.0        | 50.0         |

# EUT Information

Report NO : 742622  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

ENV216 Auto Test FCC Power Bar - N



## Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|--------|------|------------|-------------|--------------|
| 0.182000        | 43.6             | Off    | N    | 19.5       | 20.8        | 64.4         |
| 0.478000        | 43.0             | Off    | N    | 19.5       | 13.4        | 56.4         |
| 0.686000        | 42.4             | Off    | N    | 19.5       | 13.6        | 56.0         |
| 0.878000        | 41.8             | Off    | N    | 19.5       | 14.2        | 56.0         |
| 1.102000        | 41.6             | Off    | N    | 19.6       | 14.4        | 56.0         |
| 2.990000        | 39.7             | Off    | N    | 19.5       | 16.3        | 56.0         |
| 4.350000        | 41.2             | Off    | N    | 19.7       | 14.8        | 56.0         |

## Final Result 2

| Frequency (MHz) | Average (dBµV) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|----------------|--------|------|------------|-------------|--------------|
| 0.182000        | 29.9           | Off    | N    | 19.5       | 24.5        | 54.4         |
| 0.478000        | 28.6           | Off    | N    | 19.5       | 17.8        | 46.4         |
| 0.686000        | 29.3           | Off    | N    | 19.5       | 16.7        | 46.0         |
| 0.878000        | 28.1           | Off    | N    | 19.5       | 17.9        | 46.0         |
| 1.102000        | 28.5           | Off    | N    | 19.6       | 17.5        | 46.0         |
| 2.990000        | 26.0           | Off    | N    | 19.5       | 20.0        | 46.0         |
| 4.350000        | 29.9           | Off    | N    | 19.7       | 16.1        | 46.0         |



## Appendix C. Radiated Spurious Emission

|                 |                                   |                     |         |
|-----------------|-----------------------------------|---------------------|---------|
| Test Engineer : | J.C. Liang, Jacky Hung and Ken Wu | Temperature :       | 20~23°C |
|                 |                                   | Relative Humidity : | 58~63%  |

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant.                   | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11a<br>CH 36<br>5180MHz |      | 5067.08           | 53.79            | -20.21            | 74                    | 45.89               | 31.97                   | 8.97              | 33.04                | 357            | 133               | P                 | H            |
|                             |      | 5150              | 45.41            | -8.59             | 54                    | 37.34               | 32.05                   | 9.05              | 33.03                | 357            | 133               | A                 | H            |
|                             | *    | 5180              | 108.54           | -                 | -                     | 100.41              | 32.08                   | 9.08              | 33.03                | 357            | 133               | P                 | H            |
|                             | *    | 5180              | 99.48            | -                 | -                     | 91.35               | 32.08                   | 9.08              | 33.03                | 357            | 133               | A                 | H            |
|                             |      | 5128.18           | 52.02            | -21.98            | 74                    | 43.99               | 32.03                   | 9.03              | 33.03                | 351            | 90                | P                 | V            |
|                             |      | 5149.5            | 43.57            | -10.43            | 54                    | 35.5                | 32.05                   | 9.05              | 33.03                | 351            | 90                | A                 | V            |
|                             | *    | 5180              | 105              | -                 | -                     | 96.87               | 32.08                   | 9.08              | 33.03                | 351            | 90                | P                 | V            |
|                             | *    | 5180              | 96.24            | -                 | -                     | 88.11               | 32.08                   | 9.08              | 33.03                | 351            | 90                | A                 | V            |
| 802.11a<br>CH 44<br>5220MHz |      | 5149.76           | 53.37            | -20.63            | 74                    | 45.3                | 32.05                   | 9.05              | 33.03                | 345            | 133               | P                 | H            |
|                             |      | 5149.5            | 43.47            | -10.53            | 54                    | 35.4                | 32.05                   | 9.05              | 33.03                | 345            | 133               | A                 | H            |
|                             | *    | 5220              | 106.53           | -                 | -                     | 98.34               | 32.12                   | 9.1               | 33.03                | 345            | 133               | P                 | H            |
|                             | *    | 5220              | 99.18            | -                 | -                     | 90.99               | 32.12                   | 9.1               | 33.03                | 345            | 133               | A                 | H            |
|                             |      | 5372.64           | 51.12            | -22.88            | 74                    | 42.68               | 32.27                   | 9.2               | 33.03                | 345            | 133               | P                 | H            |
|                             |      | 5350.56           | 43.35            | -10.65            | 54                    | 34.94               | 32.25                   | 9.19              | 33.03                | 345            | 133               | A                 | H            |
|                             |      | 5113.88           | 51.41            | -22.59            | 74                    | 43.41               | 32.02                   | 9.02              | 33.04                | 349            | 90                | P                 | V            |
|                             |      | 5063.44           | 42.32            | -11.68            | 54                    | 34.42               | 31.97                   | 8.97              | 33.04                | 349            | 90                | A                 | V            |
|                             | *    | 5220              | 104.36           | -                 | -                     | 96.17               | 32.12                   | 9.1               | 33.03                | 349            | 90                | P                 | V            |
|                             | *    | 5220              | 95.74            | -                 | -                     | 87.55               | 32.12                   | 9.1               | 33.03                | 349            | 90                | A                 | V            |
|                             |      | 5380.08           | 49.9             | -24.1             | 74                    | 41.43               | 32.28                   | 9.21              | 33.02                | 349            | 90                | P                 | V            |
|                             |      | 5377.2            | 41.73            | -12.27            | 54                    | 33.27               | 32.27                   | 9.21              | 33.02                | 349            | 90                | A                 | V            |





|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 48<br/>5240MHz</b> |                                                                                             | 5087.62 | 52.73  | -21.27 | 74 | 44.8  | 31.98 | 8.99 | 33.04 | 345 | 132 | P | H |
|                                      |                                                                                             | 5134.94 | 43.55  | -10.45 | 54 | 35.52 | 32.03 | 9.03 | 33.03 | 345 | 132 | A | H |
|                                      | *                                                                                           | 5240    | 107.74 | -      | -  | 99.53 | 32.13 | 9.11 | 33.03 | 345 | 132 | P | H |
|                                      | *                                                                                           | 5240    | 99.57  | -      | -  | 91.36 | 32.13 | 9.11 | 33.03 | 345 | 132 | A | H |
|                                      |                                                                                             | 5360.88 | 54.13  | -19.87 | 74 | 45.69 | 32.27 | 9.2  | 33.03 | 345 | 132 | P | H |
|                                      |                                                                                             | 5352.48 | 44     | -10    | 54 | 35.59 | 32.25 | 9.19 | 33.03 | 345 | 132 | A | H |
|                                      |                                                                                             | 5112.84 | 53.42  | -20.58 | 74 | 45.42 | 32.02 | 9.02 | 33.04 | 356 | 89  | P | V |
|                                      |                                                                                             | 5119.86 | 42.69  | -11.31 | 54 | 34.68 | 32.02 | 9.02 | 33.03 | 356 | 89  | A | V |
|                                      | *                                                                                           | 5240    | 105.02 | -      | -  | 96.81 | 32.13 | 9.11 | 33.03 | 356 | 89  | P | V |
|                                      | *                                                                                           | 5240    | 96.03  | -      | -  | 87.82 | 32.13 | 9.11 | 33.03 | 356 | 89  | A | V |
|                                      |                                                                                             | 5383.2  | 50.27  | -23.73 | 74 | 41.8  | 32.28 | 9.21 | 33.02 | 356 | 89  | P | V |
|                                      |                                                                                             | 5353.44 | 42     | -12    | 54 | 33.59 | 32.25 | 9.19 | 33.03 | 356 | 89  | 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 Ant. 1                 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 36<br>5180MHz |                                                                                             | 10360             | 44.39            | -29.61            | 74                    | 55.92             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15540             | 48.18            | -25.82            | 74                    | 55.5              | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10360             | 43.48            | -30.52            | 74                    | 55.32             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15540             | 49.39            | -24.61            | 74                    | 56.71             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440             | 43.99            | -30.01            | 74                    | 55.36             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15660             | 50.9             | -23.1             | 74                    | 58.84             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10440             | 43.25            | -30.75            | 74                    | 54.93             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15660             | 56.47            | -17.53            | 74                    | 64.41             | 37.14                   | 18.81             | 64.24                | 100            | 8                 | P               | V          |
|                             |                                                                                             | 15660             | 45.94            | -8.06             | 54                    | 53.88             | 37.14                   | 18.81             | 64.24                | 100            | 8                 | A               | V          |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480             | 44.28            | -29.72            | 74                    | 55.57             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15720             | 48.62            | -25.38            | 74                    | 56.94             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10480             | 43.89            | -30.11            | 74                    | 55.49             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15720             | 55.67            | -18.33            | 74                    | 63.99             | 36.89                   | 18.85             | 64.39                | 100            | 6                 | P               | V          |
|                             |                                                                                             | 15720             | 45.06            | -8.94             | 54                    | 53.38             | 36.89                   | 18.85             | 64.39                | 100            | 6                 | A               | V          |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 1                | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 36 5180MHz |         | 5146.64           | 56.35            | -17.65            | 74                    | 48.28               | 32.05                   | 9.05              | 33.03                | 356            | 132               | P                 | H            |
|                            |         | 5150              | 45.57            | -8.43             | 54                    | 37.5                | 32.05                   | 9.05              | 33.03                | 356            | 132               | A                 | H            |
|                            | *       | 5180              | 107.96           | -                 | -                     | 99.83               | 32.08                   | 9.08              | 33.03                | 356            | 132               | P                 | H            |
|                            | *       | 5180              | 99.06            | -                 | -                     | 90.93               | 32.08                   | 9.08              | 33.03                | 356            | 132               | A                 | H            |
|                            |         | 5149.24           | 52.08            | -21.92            | 74                    | 44.01               | 32.05                   | 9.05              | 33.03                | 349            | 91                | P                 | V            |
|                            |         | 5148.98           | 43.43            | -10.57            | 54                    | 35.36               | 32.05                   | 9.05              | 33.03                | 349            | 91                | A                 | V            |
|                            | *       | 5180              | 104.56           | -                 | -                     | 96.43               | 32.08                   | 9.08              | 33.03                | 349            | 91                | P                 | V            |
|                            | 5180    | 95.81             | -                | -                 | 87.68                 | 32.08               | 9.08                    | 33.03             | 349                  | 91             | A                 | V                 |              |
| 802.11n HT20 CH 44 5220MHz |         | 5099.32           | 53.45            | -20.55            | 74                    | 45.49               | 32                      | 9                 | 33.04                | 343            | 133               | P                 | H            |
|                            |         | 5149.76           | 43.44            | -10.56            | 54                    | 35.37               | 32.05                   | 9.05              | 33.03                | 343            | 133               | A                 | H            |
|                            | *       | 5220              | 108              | -                 | -                     | 99.81               | 32.12                   | 9.1               | 33.03                | 343            | 133               | P                 | H            |
|                            | *       | 5220              | 98.76            | -                 | -                     | 90.57               | 32.12                   | 9.1               | 33.03                | 343            | 133               | A                 | H            |
|                            |         | 5373.84           | 52.08            | -21.92            | 74                    | 43.63               | 32.27                   | 9.2               | 33.02                | 343            | 133               | P                 | H            |
|                            |         | 5350.32           | 43.33            | -10.67            | 54                    | 34.92               | 32.25                   | 9.19              | 33.03                | 343            | 133               | A                 | H            |
|                            |         | 5117              | 51.56            | -22.44            | 74                    | 43.56               | 32.02                   | 9.02              | 33.04                | 349            | 89                | P                 | V            |
|                            |         | 5063.96           | 42.3             | -11.7             | 54                    | 34.4                | 31.97                   | 8.97              | 33.04                | 349            | 89                | A                 | V            |
|                            | *       | 5220              | 103.67           | -                 | -                     | 95.48               | 32.12                   | 9.1               | 33.03                | 349            | 89                | P                 | V            |
|                            | *       | 5220              | 95.43            | -                 | -                     | 87.24               | 32.12                   | 9.1               | 33.03                | 349            | 89                | A                 | V            |
|                            |         | 5442.24           | 50.08            | -23.92            | 74                    | 41.5                | 32.33                   | 9.27              | 33.02                | 349            | 89                | P                 | V            |
|                            | 5376.96 | 41.46             | -12.54           | 54                | 33                    | 32.27               | 9.21                    | 33.02             | 349                  | 89             | A                 | V                 |              |



|                                                                             |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |                                                                                             | 5124.28 | 53.29  | -20.71 | 74 | 45.27 | 32.03 | 9.02 | 33.03 | 351 | 132 | P | H |
|                                                                             |                                                                                             | 5126.88 | 43.6   | -10.4  | 54 | 35.57 | 32.03 | 9.03 | 33.03 | 351 | 132 | A | H |
|                                                                             | *                                                                                           | 5240    | 108.01 | -      | -  | 99.8  | 32.13 | 9.11 | 33.03 | 351 | 132 | P | H |
|                                                                             | *                                                                                           | 5240    | 99.07  | -      | -  | 90.86 | 32.13 | 9.11 | 33.03 | 351 | 132 | A | H |
|                                                                             |                                                                                             | 5391.6  | 52.2   | -21.8  | 74 | 43.73 | 32.28 | 9.21 | 33.02 | 351 | 132 | P | H |
|                                                                             |                                                                                             | 5351.52 | 43.62  | -10.38 | 54 | 35.21 | 32.25 | 9.19 | 33.03 | 351 | 132 | A | H |
|                                                                             |                                                                                             | 5081.12 | 51.08  | -22.92 | 74 | 43.15 | 31.98 | 8.99 | 33.04 | 351 | 92  | P | V |
|                                                                             |                                                                                             | 5131.56 | 42.38  | -11.62 | 54 | 34.35 | 32.03 | 9.03 | 33.03 | 351 | 92  | A | V |
|                                                                             | *                                                                                           | 5240    | 104.25 | -      | -  | 96.04 | 32.13 | 9.11 | 33.03 | 351 | 92  | P | V |
|                                                                             | *                                                                                           | 5240    | 95.76  | -      | -  | 87.55 | 32.13 | 9.11 | 33.03 | 351 | 92  | A | V |
|                                                                             |                                                                                             | 5374.08 | 50.87  | -23.13 | 74 | 42.42 | 32.27 | 9.2  | 33.02 | 351 | 92  | P | V |
|                                                                             |                                                                                             | 5350.08 | 41.8   | -12.2  | 54 | 33.39 | 32.25 | 9.19 | 33.03 | 351 | 92  | 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 Ant. 1                         | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n<br>HT20<br>CH 36<br>5180MHz |                                                                                             | 10360             | 43.97            | -30.03            | 74                    | 55.5              | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 15540             | 47.31            | -26.69            | 74                    | 54.63             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 10360             | 43.55            | -30.45            | 74                    | 55.39             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15540             | 49.55            | -24.45            | 74                    | 56.87             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | V          |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440             | 42.89            | -31.11            | 74                    | 54.26             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 15660             | 49.7             | -24.3             | 74                    | 57.64             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 10440             | 43.44            | -30.56            | 74                    | 55.12             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15660             | 56.25            | -17.75            | 74                    | 64.19             | 37.14                   | 18.81             | 64.24                | 100            | 10                | P               | V          |
|                                     |                                                                                             | 15660             | 45.81            | -8.19             | 54                    | 53.75             | 37.14                   | 18.81             | 64.24                | 100            | 10                | A               | V          |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480             | 44.59            | -29.41            | 74                    | 55.88             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 15720             | 48.55            | -25.45            | 74                    | 56.87             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 10480             | 44.74            | -29.26            | 74                    | 56.34             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15720             | 55.45            | -18.55            | 74                    | 63.77             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15720             | 44.43            | -9.57             | 54                    | 52.75             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | 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 (Band Edge @ 3m)

| WIFI Ant. 1                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 38 5190MHz |                                                                                             | 5145.08           | 56.26            | -17.74            | 74                    | 48.19               | 32.05                   | 9.05              | 33.03                | 358            | 132               | P                 | H            |
|                            |                                                                                             | 5150              | 49.71            | -4.29             | 54                    | 41.64               | 32.05                   | 9.05              | 33.03                | 358            | 132               | A                 | H            |
|                            | *                                                                                           | 5190              | 104.11           | -                 | -                     | 95.98               | 32.08                   | 9.08              | 33.03                | 358            | 132               | P                 | H            |
|                            | *                                                                                           | 5190              | 95.11            | -                 | -                     | 86.98               | 32.08                   | 9.08              | 33.03                | 358            | 132               | A                 | H            |
|                            |                                                                                             | 5352.76           | 50.19            | -23.81            | 74                    | 41.78               | 32.25                   | 9.19              | 33.03                | 358            | 132               | P                 | H            |
|                            |                                                                                             | 5356.68           | 43.19            | -10.81            | 54                    | 34.78               | 32.25                   | 9.19              | 33.03                | 358            | 132               | A                 | H            |
|                            |                                                                                             | 5150              | 56.28            | -17.72            | 74                    | 48.21               | 32.05                   | 9.05              | 33.03                | 368            | 78                | P                 | V            |
|                            |                                                                                             | 5149.24           | 48.31            | -5.69             | 54                    | 40.24               | 32.05                   | 9.05              | 33.03                | 368            | 78                | A                 | V            |
|                            | *                                                                                           | 5190              | 100.99           | -                 | -                     | 92.86               | 32.08                   | 9.08              | 33.03                | 368            | 78                | P                 | V            |
|                            | *                                                                                           | 5190              | 92.36            | -                 | -                     | 84.23               | 32.08                   | 9.08              | 33.03                | 368            | 78                | A                 | V            |
|                            |                                                                                             | 5360.04           | 49.12            | -24.88            | 74                    | 40.7                | 32.25                   | 9.2               | 33.03                | 368            | 78                | P                 | V            |
|                            |                                                                                             | 5352.2            | 42.06            | -11.94            | 54                    | 33.65               | 32.25                   | 9.19              | 33.03                | 368            | 78                | A                 | V            |
| 802.11n HT40 CH 46 5230MHz |                                                                                             | 5081.12           | 53.83            | -20.17            | 74                    | 45.9                | 31.98                   | 8.99              | 33.04                | 349            | 131               | P                 | H            |
|                            |                                                                                             | 5149.5            | 46.71            | -7.29             | 54                    | 38.64               | 32.05                   | 9.05              | 33.03                | 349            | 131               | A                 | H            |
|                            | *                                                                                           | 5230              | 106.39           | -                 | -                     | 98.19               | 32.13                   | 9.1               | 33.03                | 349            | 131               | P                 | H            |
|                            | *                                                                                           | 5230              | 98.75            | -                 | -                     | 90.55               | 32.13                   | 9.1               | 33.03                | 349            | 131               | A                 | H            |
|                            |                                                                                             | 5379.64           | 54.28            | -19.72            | 74                    | 45.81               | 32.28                   | 9.21              | 33.02                | 349            | 131               | P                 | H            |
|                            |                                                                                             | 5356.12           | 46.2             | -7.8              | 54                    | 37.79               | 32.25                   | 9.19              | 33.03                | 349            | 131               | A                 | H            |
|                            |                                                                                             | 5078.78           | 52.27            | -21.73            | 74                    | 44.34               | 31.98                   | 8.99              | 33.04                | 353            | 92                | P                 | V            |
|                            |                                                                                             | 5114.92           | 45.4             | -8.6              | 54                    | 37.4                | 32.02                   | 9.02              | 33.04                | 353            | 92                | A                 | V            |
|                            | *                                                                                           | 5230              | 103.32           | -                 | -                     | 95.12               | 32.13                   | 9.1               | 33.03                | 353            | 92                | P                 | V            |
|                            | *                                                                                           | 5230              | 95.73            | -                 | -                     | 87.53               | 32.13                   | 9.1               | 33.03                | 353            | 92                | A                 | V            |
|                            | 5366.48                                                                                     | 51.3              | -22.7            | 74                | 42.86                 | 32.27               | 9.2                     | 33.03             | 353                  | 92             | P                 | V                 |              |
|                            | 5375.16                                                                                     | 43.69             | -10.31           | 54                | 35.24                 | 32.27               | 9.2                     | 33.02             | 353                  | 92             | 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 Ant. 1                         | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 10380             | 45.38            | -28.62            | 74                    | 56.86             | 38.44                   | 14.97             | 65.2                 | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 15570             | 47.47            | -26.53            | 74                    | 54.98             | 37.45                   | 18.71             | 64.05                | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 10380             | 44.95            | -29.05            | 74                    | 56.74             | 38.44                   | 14.97             | 65.2                 | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15570             | 48.03            | -25.97            | 74                    | 55.54             | 37.45                   | 18.71             | 64.05                | 100            | 0                 | P               | V          |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460             | 45.14            | -28.86            | 74                    | 56.48             | 38.53                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 15690             | 55.08            | -18.92            | 74                    | 63.21             | 37.02                   | 18.83             | 64.32                | 372            | 299               | P               | H          |
|                                     |                                                                                             | 15690             | 44.65            | -9.35             | 54                    | 52.78             | 37.02                   | 18.83             | 64.32                | 372            | 299               | A               | H          |
|                                     |                                                                                             | 10460             | 44.39            | -29.61            | 74                    | 56.04             | 38.53                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15690             | 56.86            | -17.14            | 74                    | 64.99             | 37.02                   | 18.83             | 64.32                | 114            | 33                | P               | V          |
|                                     |                                                                                             | 15690             | 48.47            | -5.53             | 54                    | 56.6              | 37.02                   | 18.83             | 64.32                | 114            | 33                | 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 (Band Edge @ 3m)

| WIFI Ant. 1                  | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 42 5210MHz |                                                                                             | 5141.18           | 59.99            | -14.01            | 74                    | 51.94             | 32.05                   | 9.03              | 33.03                | 342            | 133               | P               | H          |
|                              |                                                                                             | 5143.26           | 49.93            | -4.07             | 54                    | 41.86             | 32.05                   | 9.05              | 33.03                | 342            | 133               | A               | H          |
|                              | *                                                                                           | 5210              | 97.98            | -                 | -                     | 89.8              | 32.12                   | 9.09              | 33.03                | 342            | 133               | P               | H          |
|                              | *                                                                                           | 5210              | 89.26            | -                 | -                     | 81.08             | 32.12                   | 9.09              | 33.03                | 342            | 133               | A               | H          |
|                              |                                                                                             | 5450.48           | 49.74            | -24.26            | 74                    | 41.12             | 32.35                   | 9.29              | 33.02                | 342            | 133               | P               | H          |
|                              |                                                                                             | 5351.64           | 42.91            | -11.09            | 54                    | 34.5              | 32.25                   | 9.19              | 33.03                | 342            | 133               | A               | H          |
|                              |                                                                                             | 5144.3            | 56.43            | -17.57            | 74                    | 48.36             | 32.05                   | 9.05              | 33.03                | 281            | 103               | P               | V          |
|                              |                                                                                             | 5143.26           | 48.45            | -5.55             | 54                    | 40.38             | 32.05                   | 9.05              | 33.03                | 281            | 103               | A               | V          |
|                              | *                                                                                           | 5210              | 94.34            | -                 | -                     | 86.16             | 32.12                   | 9.09              | 33.03                | 281            | 103               | P               | V          |
|                              | *                                                                                           | 5210              | 85.96            | -                 | -                     | 77.78             | 32.12                   | 9.09              | 33.03                | 281            | 103               | A               | V          |
|                              |                                                                                             | 5363.4            | 49.56            | -24.44            | 74                    | 41.12             | 32.27                   | 9.2               | 33.03                | 281            | 103               | P               | V          |
|                              | 5379.64                                                                                     | 41.3              | -12.7            | 54                | 32.83                 | 32.28             | 9.21                    | 33.02             | 281                  | 103            | 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 Ant. 1 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac    |                                                                                             | 10420             | 44.91            | -29.09            | 74                    | 56.33             | 38.48                   | 14.99             | 65.2                 | 100            | 0                 | P               | H          |
| VHT80       |                                                                                             | 15630             | 45.59            | -28.41            | 74                    | 53.45             | 37.2                    | 18.78             | 64.2                 | 100            | 0                 | P               | H          |
| CH 42       |                                                                                             | 10420             | 45.81            | -28.19            | 74                    | 57.23             | 38.48                   | 14.99             | 65.2                 | 100            | 0                 | P               | V          |
| 5210MHz     |                                                                                             | 15630             | 45.14            | -28.86            | 74                    | 53                | 37.2                    | 18.78             | 64.2                 | 100            | 0                 | P               | V          |
| Remark      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                           |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5107.12   | 52.92      | -21.08 | 74         | 44.92    | 32.02    | 9.02   | 33.04  | 350    | 132     | P       | H       |
|                             |      | 5140.14   | 44.19      | -9.81  | 54         | 36.14    | 32.05    | 9.03   | 33.03  | 350    | 132     | A       | H       |
|                             | *    | 5260      | 110.42     | -      | -          | 102.15   | 32.17    | 9.13   | 33.03  | 350    | 132     | P       | H       |
|                             | *    | 5260      | 102.08     | -      | -          | 93.81    | 32.17    | 9.13   | 33.03  | 350    | 132     | A       | H       |
|                             |      | 5387.04   | 53.53      | -20.47 | 74         | 45.06    | 32.28    | 9.21   | 33.02  | 350    | 132     | P       | H       |
|                             |      | 5373.12   | 44.73      | -9.27  | 54         | 36.29    | 32.27    | 9.2    | 33.03  | 350    | 132     | A       | H       |
|                             |      | 5144.3    | 51.37      | -22.63 | 74         | 43.3     | 32.05    | 9.05   | 33.03  | 352    | 89      | P       | V       |
|                             |      | 5102.96   | 42.97      | -11.03 | 54         | 35.01    | 32       | 9      | 33.04  | 352    | 89      | A       | V       |
|                             | *    | 5260      | 107.41     | -      | -          | 99.14    | 32.17    | 9.13   | 33.03  | 352    | 89      | P       | V       |
|                             | *    | 5260      | 98.25      | -      | -          | 89.98    | 32.17    | 9.13   | 33.03  | 352    | 89      | A       | V       |
|                             |      | 5350.32   | 51.34      | -22.66 | 74         | 42.93    | 32.25    | 9.19   | 33.03  | 352    | 89      | P       | V       |
|                             |      | 5372.16   | 42.41      | -11.59 | 54         | 33.97    | 32.27    | 9.2    | 33.03  | 352    | 89      | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5137.36   | 51.31      | -22.69 | 74         | 43.28    | 32.03    | 9.03   | 33.03  | 340    | 132     | P       | H       |
|                             |      | 5141.78   | 43.14      | -10.86 | 54         | 35.09    | 32.05    | 9.03   | 33.03  | 340    | 132     | A       | H       |
|                             | *    | 5300      | 109.74     | -      | -          | 101.42   | 32.2     | 9.15   | 33.03  | 340    | 132     | P       | H       |
|                             | *    | 5300      | 101.84     | -      | -          | 93.52    | 32.2     | 9.15   | 33.03  | 340    | 132     | A       | H       |
|                             |      | 5415.36   | 54.72      | -19.28 | 74         | 46.18    | 32.32    | 9.24   | 33.02  | 340    | 132     | P       | H       |
|                             |      | 5350.08   | 44.99      | -9.01  | 54         | 36.58    | 32.25    | 9.19   | 33.03  | 340    | 132     | A       | H       |
|                             |      | 5139.06   | 50.48      | -23.52 | 74         | 42.45    | 32.03    | 9.03   | 33.03  | 350    | 88      | P       | V       |
|                             |      | 5143.14   | 42.26      | -11.74 | 54         | 34.19    | 32.05    | 9.05   | 33.03  | 350    | 88      | A       | V       |
|                             | *    | 5300      | 107.29     | -      | -          | 98.97    | 32.2     | 9.15   | 33.03  | 350    | 88      | P       | V       |
|                             | *    | 5300      | 97.94      | -      | -          | 89.62    | 32.2     | 9.15   | 33.03  | 350    | 88      | A       | V       |
|                             |      | 5373.36   | 52.1       | -21.9  | 74         | 43.65    | 32.27    | 9.2    | 33.02  | 350    | 88      | P       | V       |
|                             |      | 5350.08   | 42.58      | -11.42 | 54         | 34.17    | 32.25    | 9.19   | 33.03  | 350    | 88      | A       | V       |



|                             |                                                                                                                                               |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| 802.11a<br>CH 64<br>5320MHz | *                                                                                                                                             | 5320    | 110.56 | -      | -  | 102.21 | 32.22 | 9.16 | 33.03 | 345 | 131 | P | H |
|                             | *                                                                                                                                             | 5320    | 101.59 | -      | -  | 93.24  | 32.22 | 9.16 | 33.03 | 345 | 131 | A | H |
|                             |                                                                                                                                               | 5389.28 | 54.37  | -19.63 | 74 | 45.9   | 32.28 | 9.21 | 33.02 | 345 | 131 | P | H |
|                             |                                                                                                                                               | 5350.08 | 46.91  | -7.09  | 54 | 38.5   | 32.25 | 9.19 | 33.03 | 345 | 131 | A | H |
|                             | *                                                                                                                                             | 5320    | 105.68 | -      | -  | 97.33  | 32.22 | 9.16 | 33.03 | 357 | 77  | P | V |
|                             | *                                                                                                                                             | 5320    | 97.3   | -      | -  | 88.95  | 32.22 | 9.16 | 33.03 | 357 | 77  | A | V |
|                             |                                                                                                                                               | 5358.72 | 51.53  | -22.47 | 74 | 43.11  | 32.25 | 9.2  | 33.03 | 357 | 77  | P | V |
|                             |                                                                                                                                               | 5350.24 | 43.39  | -10.61 | 54 | 34.98  | 32.25 | 9.19 | 33.03 | 357 | 77  | A | V |
| Remark                      | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |         |        |        |    |        |       |      |       |     |     |   |   |



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1                 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520             | 43.52            | -30.48            | 74                    | 54.73             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15780             | 54.76            | -19.24            | 74                    | 63.35             | 36.71                   | 18.9              | 64.51                | 100            | 308               | P               | H          |
|                             |                                                                                             | 15780             | 44.24            | -9.76             | 54                    | 52.83             | 36.71                   | 18.9              | 64.51                | 100            | 308               | A               | H          |
|                             |                                                                                             | 10520             | 42.43            | -31.57            | 74                    | 53.95             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15780             | 58.23            | -15.77            | 74                    | 66.82             | 36.71                   | 18.9              | 64.51                | 110            | 29                | P               | V          |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600             | 42.86            | -31.14            | 74                    | 53.9              | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15900             | 50.31            | -23.69            | 74                    | 59.51             | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10600             | 42.75            | -31.25            | 74                    | 54.1              | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15900             | 54.95            | -19.05            | 74                    | 64.15             | 36.27                   | 19.02             | 64.77                | 100            | 31                | P               | V          |
|                             |                                                                                             | 15900             | 44.63            | -9.37             | 54                    | 53.83             | 36.27                   | 19.02             | 64.77                | 100            | 31                | A               | V          |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640             | 42.88            | -31.12            | 74                    | 53.83             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15960             | 55.63            | -18.37            | 74                    | 65.21             | 36.02                   | 19.06             | 64.92                | 100            | 310               | P               | H          |
|                             |                                                                                             | 15960             | 45.9             | -8.1              | 54                    | 55.48             | 36.02                   | 19.06             | 64.92                | 100            | 310               | A               | H          |
|                             |                                                                                             | 10640             | 42.83            | -31.17            | 74                    | 54.08             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15960             | 57.82            | -16.18            | 74                    | 67.4              | 36.02                   | 19.06             | 64.92                | 100            | 27                | P               | V          |
|                             | 15960                                                                                       | 47.22             | -6.78            | 54                | 56.8                  | 36.02             | 19.06                   | 64.92             | 100                  | 27             | 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 HT20 (Band Edge @ 3m)

| WIFI Ant. 1                | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 52 5260MHz |         | 5122.98           | 53.21            | -20.79            | 74                    | 45.19               | 32.03                   | 9.02              | 33.03                | 352            | 132               | P                 | H            |
|                            |         | 5102.44           | 44.77            | -9.23             | 54                    | 36.81               | 32                      | 9                 | 33.04                | 352            | 132               | A                 | H            |
|                            | *       | 5260              | 110.61           | -                 | -                     | 102.34              | 32.17                   | 9.13              | 33.03                | 352            | 132               | P                 | H            |
|                            | *       | 5260              | 101.38           | -                 | -                     | 93.11               | 32.17                   | 9.13              | 33.03                | 352            | 132               | A                 | H            |
|                            |         | 5380.32           | 53.25            | -20.75            | 74                    | 44.78               | 32.28                   | 9.21              | 33.02                | 352            | 132               | P                 | H            |
|                            |         | 5360.64           | 44.15            | -9.85             | 54                    | 35.71               | 32.27                   | 9.2               | 33.03                | 352            | 132               | A                 | H            |
|                            |         | 5127.4            | 52.61            | -21.39            | 74                    | 44.58               | 32.03                   | 9.03              | 33.03                | 353            | 89                | P                 | V            |
|                            |         | 5136.76           | 42.76            | -11.24            | 54                    | 34.73               | 32.03                   | 9.03              | 33.03                | 353            | 89                | A                 | V            |
|                            | *       | 5260              | 106.64           | -                 | -                     | 98.37               | 32.17                   | 9.13              | 33.03                | 353            | 89                | P                 | V            |
|                            | *       | 5260              | 97.68            | -                 | -                     | 89.41               | 32.17                   | 9.13              | 33.03                | 353            | 89                | A                 | V            |
|                            |         | 5380.8            | 51.06            | -22.94            | 74                    | 42.59               | 32.28                   | 9.21              | 33.02                | 353            | 89                | P                 | V            |
|                            |         | 5372.4            | 42.33            | -11.67            | 54                    | 33.89               | 32.27                   | 9.2               | 33.03                | 353            | 89                | A                 | V            |
| 802.11n HT20 CH 60 5300MHz |         | 5000.34           | 54.07            | -19.93            | 74                    | 46.28               | 31.9                    | 8.93              | 33.04                | 342            | 131               | P                 | H            |
|                            |         | 5000              | 43.37            | -10.63            | 54                    | 35.58               | 31.9                    | 8.93              | 33.04                | 342            | 131               | A                 | H            |
|                            | *       | 5300              | 110.97           | -                 | -                     | 102.65              | 32.2                    | 9.15              | 33.03                | 342            | 131               | P                 | H            |
|                            | *       | 5300              | 101.34           | -                 | -                     | 93.02               | 32.2                    | 9.15              | 33.03                | 342            | 131               | A                 | H            |
|                            |         | 5352.96           | 56.99            | -17.01            | 74                    | 48.58               | 32.25                   | 9.19              | 33.03                | 342            | 131               | P                 | H            |
|                            |         | 5350.08           | 45.77            | -8.23             | 54                    | 37.36               | 32.25                   | 9.19              | 33.03                | 342            | 131               | A                 | H            |
|                            |         | 5000              | 50.86            | -23.14            | 74                    | 43.07               | 31.9                    | 8.93              | 33.04                | 345            | 91                | P                 | V            |
|                            |         | 5139.06           | 41.8             | -12.2             | 54                    | 33.77               | 32.03                   | 9.03              | 33.03                | 345            | 91                | A                 | V            |
|                            | *       | 5300              | 107.07           | -                 | -                     | 98.75               | 32.2                    | 9.15              | 33.03                | 345            | 91                | P                 | V            |
|                            | *       | 5300              | 97.56            | -                 | -                     | 89.24               | 32.2                    | 9.15              | 33.03                | 345            | 91                | A                 | V            |
|                            | 5379.84 | 51.33             | -22.67           | 74                | 42.86                 | 32.28               | 9.21                    | 33.02             | 345                  | 91             | P                 | V                 |              |
|                            | 5351.76 | 43.26             | -10.74           | 54                | 34.85                 | 32.25               | 9.19                    | 33.03             | 345                  | 91             | A                 | V                 |              |



|                                                                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 64</b><br><br><b>5320MHz</b> | *                                                                                           | 5320    | 109.46 | -      | -  | 101.11 | 32.22 | 9.16 | 33.03 | 346 | 131 | P | H |
|                                                                             | *                                                                                           | 5320    | 101.45 | -      | -  | 93.1   | 32.22 | 9.16 | 33.03 | 346 | 131 | A | H |
|                                                                             |                                                                                             | 5350.72 | 55.3   | -18.7  | 74 | 46.89  | 32.25 | 9.19 | 33.03 | 346 | 131 | P | H |
|                                                                             |                                                                                             | 5350.08 | 47     | -7     | 54 | 38.59  | 32.25 | 9.19 | 33.03 | 346 | 131 | A | H |
|                                                                             | *                                                                                           | 5320    | 106.39 | -      | -  | 98.04  | 32.22 | 9.16 | 33.03 | 346 | 74  | P | V |
|                                                                             | *                                                                                           | 5320    | 97.14  | -      | -  | 88.79  | 32.22 | 9.16 | 33.03 | 346 | 74  | A | V |
|                                                                             |                                                                                             | 5363.52 | 52.69  | -21.31 | 74 | 44.25  | 32.27 | 9.2  | 33.03 | 346 | 74  | P | V |
|                                                                             |                                                                                             | 5350.56 | 43.41  | -10.59 | 54 | 35     | 32.25 | 9.19 | 33.03 | 346 | 74  | A | V |
| <b>Remark</b>                                                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 52 5260MHz |                                                                                             | 10520             | 43.26            | -30.74            | 74                    | 54.47             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15780             | 49.79            | -24.21            | 74                    | 58.38             | 36.71                   | 18.9              | 64.51                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10520             | 42.29            | -31.71            | 74                    | 53.81             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15780             | 57.44            | -16.56            | 74                    | 66.03             | 36.71                   | 18.9              | 64.51                | 109            | 30                | P               | V          |
|                            |                                                                                             | 15780             | 46.33            | -7.67             | 54                    | 54.92             | 36.71                   | 18.9              | 64.51                | 109            | 30                | A               | V          |
| 802.11n HT20 CH 60 5300MHz |                                                                                             | 10600             | 44.01            | -29.99            | 74                    | 55.05             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15900             | 47.83            | -26.17            | 74                    | 57.03             | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10600             | 43.06            | -30.94            | 74                    | 54.41             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15900             | 54.23            | -19.77            | 74                    | 63.43             | 36.27                   | 19.02             | 64.77                | 100            | 33                | P               | V          |
|                            |                                                                                             | 15900             | 43.98            | -10.02            | 54                    | 53.18             | 36.27                   | 19.02             | 64.77                | 100            | 33                | A               | V          |
| 802.11n HT20 CH 64 5320MHz |                                                                                             | 10640             | 43.45            | -30.55            | 74                    | 54.4              | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15960             | 56.13            | -17.87            | 74                    | 65.71             | 36.02                   | 19.06             | 64.92                | 100            | 317               | P               | H          |
|                            |                                                                                             | 15960             | 45.11            | -8.89             | 54                    | 54.69             | 36.02                   | 19.06             | 64.92                | 100            | 317               | A               | H          |
|                            |                                                                                             | 10640             | 43.4             | -30.6             | 74                    | 54.65             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15960             | 56.53            | -17.47            | 74                    | 66.11             | 36.02                   | 19.06             | 64.92                | 100            | 32                | P               | V          |
|                            |                                                                                             | 15960             | 45.92            | -8.08             | 54                    | 55.5              | 36.02                   | 19.06             | 64.92                | 100            | 32                | 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 (Band Edge @ 3m)

| WIFI Ant. 1                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 54 5270MHz |                                                                                             | 5137.36           | 54.12            | -19.88            | 74                    | 46.09               | 32.03                   | 9.03              | 33.03                | 351            | 132               | P                 | H            |
|                            |                                                                                             | 5105.4            | 46.37            | -7.63             | 54                    | 38.41               | 32                      | 9                 | 33.04                | 351            | 132               | A                 | H            |
|                            | *                                                                                           | 5270              | 108.4            | -                 | -                     | 100.12              | 32.17                   | 9.14              | 33.03                | 351            | 132               | P                 | H            |
|                            | *                                                                                           | 5270              | 100.65           | -                 | -                     | 92.37               | 32.17                   | 9.14              | 33.03                | 351            | 132               | A                 | H            |
|                            |                                                                                             | 5361.84           | 57.19            | -16.81            | 74                    | 48.75               | 32.27                   | 9.2               | 33.03                | 351            | 132               | P                 | H            |
|                            |                                                                                             | 5352.72           | 48.83            | -5.17             | 54                    | 40.42               | 32.25                   | 9.19              | 33.03                | 351            | 132               | A                 | H            |
|                            |                                                                                             | 5148.58           | 51.68            | -22.32            | 74                    | 43.61               | 32.05                   | 9.05              | 33.03                | 293            | 88                | P                 | V            |
|                            |                                                                                             | 5106.08           | 44.29            | -9.71             | 54                    | 36.31               | 32.02                   | 9                 | 33.04                | 293            | 88                | A                 | V            |
|                            | *                                                                                           | 5270              | 103.53           | -                 | -                     | 95.25               | 32.17                   | 9.14              | 33.03                | 293            | 88                | P                 | V            |
|                            | *                                                                                           | 5270              | 95.83            | -                 | -                     | 87.55               | 32.17                   | 9.14              | 33.03                | 293            | 88                | A                 | V            |
|                            |                                                                                             | 5374.08           | 52.25            | -21.75            | 74                    | 43.8                | 32.27                   | 9.2               | 33.02                | 293            | 88                | P                 | V            |
|                            |                                                                                             | 5353.44           | 44.42            | -9.58             | 54                    | 36.01               | 32.25                   | 9.19              | 33.03                | 293            | 88                | A                 | V            |
| 802.11n HT40 CH 62 5310MHz |                                                                                             | 5141.1            | 51.91            | -22.09            | 74                    | 43.86               | 32.05                   | 9.03              | 33.03                | 344            | 132               | P                 | H            |
|                            |                                                                                             | 5000              | 43.8             | -10.2             | 54                    | 36.01               | 31.9                    | 8.93              | 33.04                | 344            | 132               | A                 | H            |
|                            | *                                                                                           | 5310              | 104.37           | -                 | -                     | 96.02               | 32.22                   | 9.16              | 33.03                | 344            | 132               | P                 | H            |
|                            | *                                                                                           | 5310              | 95.36            | -                 | -                     | 87.01               | 32.22                   | 9.16              | 33.03                | 344            | 132               | A                 | H            |
|                            |                                                                                             | 5350.08           | 54.04            | -19.96            | 74                    | 45.63               | 32.25                   | 9.19              | 33.03                | 344            | 132               | P                 | H            |
|                            |                                                                                             | 5350.56           | 47.15            | -6.85             | 54                    | 38.74               | 32.25                   | 9.19              | 33.03                | 344            | 132               | A                 | H            |
|                            |                                                                                             | 5000              | 53.35            | -20.65            | 74                    | 45.56               | 31.9                    | 8.93              | 33.04                | 311            | 86                | P                 | V            |
|                            |                                                                                             | 5000              | 44.32            | -9.68             | 54                    | 36.53               | 31.9                    | 8.93              | 33.04                | 311            | 86                | A                 | V            |
|                            | *                                                                                           | 5310              | 100.93           | -                 | -                     | 92.58               | 32.22                   | 9.16              | 33.03                | 311            | 86                | P                 | V            |
|                            | *                                                                                           | 5310              | 92.05            | -                 | -                     | 83.7                | 32.22                   | 9.16              | 33.03                | 311            | 86                | A                 | V            |
|                            | 5356.8                                                                                      | 51.11             | -22.89           | 74                | 42.7                  | 32.25               | 9.19                    | 33.03             | 311                  | 86             | P                 | V                 |              |
|                            | 5350.8                                                                                      | 44.84             | -9.16            | 54                | 36.43                 | 32.25               | 9.19                    | 33.03             | 311                  | 86             | 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 Ant. 1                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT40 CH 54 5270MHz |                                                                                             | 10540             | 45.12            | -28.88            | 74                    | 56.28             | 38.64                   | 15.08             | 65.19                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15810             | 48.91            | -25.09            | 74                    | 57.65             | 36.58                   | 18.95             | 64.58                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10540             | 44.06            | -29.94            | 74                    | 55.53             | 38.64                   | 15.08             | 65.19                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15810             | 51.83            | -22.17            | 74                    | 60.57             | 36.58                   | 18.95             | 64.58                | 133            | 360               | P               | V          |
|                            |                                                                                             | 15810             | 43.51            | -10.49            | 54                    | 52.25             | 36.58                   | 18.95             | 64.58                | 133            | 360               | A               | V          |
| 802.11n HT40 CH 62 5310MHz |                                                                                             | 10620             | 44.11            | -29.89            | 74                    | 55.12             | 38.74                   | 15.13             | 65.18                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15930             | 44.25            | -29.75            | 74                    | 53.64             | 36.15                   | 19.04             | 64.85                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10620             | 43.88            | -30.12            | 74                    | 55.19             | 38.74                   | 15.13             | 65.18                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15930             | 44.53            | -29.47            | 74                    | 53.92             | 36.15                   | 19.04             | 64.85                | 100            | 0                 | P               | V          |
| Remark                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1                  | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 58 5290MHz |                                                                                             | 5000              | 51.21            | -22.79            | 74                    | 43.42             | 31.9                    | 8.93              | 33.04                | 337            | 146               | P               | H          |
|                              |                                                                                             | 5115.26           | 42.99            | -11.01            | 54                    | 34.99             | 32.02                   | 9.02              | 33.04                | 337            | 146               | A               | H          |
|                              | *                                                                                           | 5290              | 100.26           | -                 | -                     | 91.96             | 32.18                   | 9.15              | 33.03                | 337            | 146               | P               | H          |
|                              | *                                                                                           | 5290              | 91.5             | -                 | -                     | 83.2              | 32.18                   | 9.15              | 33.03                | 337            | 146               | A               | H          |
|                              |                                                                                             | 5354.64           | 59.02            | -14.98            | 74                    | 50.61             | 32.25                   | 9.19              | 33.03                | 337            | 146               | P               | H          |
|                              |                                                                                             | 5350.56           | 50.93            | -3.07             | 54                    | 42.52             | 32.25                   | 9.19              | 33.03                | 337            | 146               | A               | H          |
|                              |                                                                                             | 5093.5            | 51.03            | -22.97            | 74                    | 43.07             | 32                      | 9                 | 33.04                | 301            | 107               | P               | V          |
|                              |                                                                                             | 5000              | 43.64            | -10.36            | 54                    | 35.85             | 31.9                    | 8.93              | 33.04                | 301            | 107               | A               | V          |
|                              | *                                                                                           | 5290              | 96.77            | -                 | -                     | 88.47             | 32.18                   | 9.15              | 33.03                | 301            | 107               | P               | V          |
|                              | *                                                                                           | 5290              | 88.39            | -                 | -                     | 80.09             | 32.18                   | 9.15              | 33.03                | 301            | 107               | A               | V          |
|                              |                                                                                             | 5367.84           | 55.35            | -18.65            | 74                    | 46.91             | 32.27                   | 9.2               | 33.03                | 301            | 107               | P               | V          |
|                              | 5351.04                                                                                     | 47.83             | -6.17            | 54                | 39.42                 | 32.25             | 9.19                    | 33.03             | 301                  | 107            | 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 Ant. 1 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac    |                                                                                             | 10580             | 44.52            | -29.48            | 74                    | 55.6              | 38.7                    | 15.09             | 65.18                | 100            | 0                 | P               | H          |
| VHT80       |                                                                                             | 15870             | 44.06            | -29.94            | 74                    | 53.18             | 36.33                   | 18.99             | 64.73                | 100            | 0                 | P               | H          |
| CH 58       |                                                                                             | 10580             | 45.76            | -28.24            | 74                    | 57.15             | 38.7                    | 15.09             | 65.18                | 100            | 0                 | P               | V          |
| 5290MHz     |                                                                                             | 15870             | 43.27            | -30.73            | 74                    | 52.39             | 36.33                   | 18.99             | 64.73                | 100            | 0                 | P               | V          |
| Remark      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                            |      | ( MHz )   | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | ( dBµV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 100<br>5500MHz |      | 5455.76   | 54.06      | -19.94 | 74         | 45.44    | 32.35    | 9.29   | 33.02  | 335    | 131     | P     | H     |
|                              |      | 5469.52   | 45.27      | -8.73  | 54         | 36.61    | 32.37    | 9.31   | 33.02  | 335    | 131     | A     | H     |
|                              | *    | 5500      | 108.62     | -      | -          | 99.9     | 32.4     | 9.34   | 33.02  | 335    | 131     | P     | H     |
|                              | *    | 5500      | 99.94      | -      | -          | 91.22    | 32.4     | 9.34   | 33.02  | 335    | 131     | A     | H     |
|                              |      | 5453.68   | 52.68      | -21.32 | 74         | 44.06    | 32.35    | 9.29   | 33.02  | 358    | 81      | P     | V     |
|                              |      | 5470      | 43.63      | -10.37 | 54         | 34.97    | 32.37    | 9.31   | 33.02  | 358    | 81      | A     | V     |
|                              | *    | 5500      | 105.84     | -      | -          | 97.12    | 32.4     | 9.34   | 33.02  | 358    | 81      | P     | V     |
|                              | *    | 5500      | 97.26      | -      | -          | 88.54    | 32.4     | 9.34   | 33.02  | 358    | 81      | A     | V     |
| 802.11a<br>CH 116<br>5580MHz |      | 5469.04   | 53.9       | -20.1  | 74         | 45.24    | 32.37    | 9.31   | 33.02  | 332    | 132     | P     | H     |
|                              |      | 5459.44   | 43.94      | -10.06 | 54         | 35.32    | 32.35    | 9.29   | 33.02  | 332    | 132     | A     | H     |
|                              | *    | 5580      | 108.23     | -      | -          | 99.27    | 32.57    | 9.46   | 33.07  | 332    | 132     | P     | H     |
|                              | *    | 5580      | 99.53      | -      | -          | 90.57    | 32.57    | 9.46   | 33.07  | 332    | 132     | A     | H     |
|                              |      | 5743.895  | 51.66      | -22.34 | 74         | 41.96    | 32.98    | 9.87   | 33.15  | 332    | 132     | P     | H     |
|                              |      | 5744.21   | 42.39      | -11.61 | 54         | 32.69    | 32.98    | 9.87   | 33.15  | 332    | 132     | A     | H     |
|                              |      | 5458.24   | 50.94      | -23.06 | 74         | 42.32    | 32.35    | 9.29   | 33.02  | 331    | 90      | P     | V     |
|                              |      | 5467.84   | 42.36      | -11.64 | 54         | 33.7     | 32.37    | 9.31   | 33.02  | 331    | 90      | A     | V     |
|                              | *    | 5580      | 105.32     | -      | -          | 96.36    | 32.57    | 9.46   | 33.07  | 331    | 90      | P     | V     |
|                              | *    | 5580      | 96.27      | -      | -          | 87.31    | 32.57    | 9.46   | 33.07  | 331    | 90      | A     | V     |
|                              |      | 5736.02   | 52.53      | -21.47 | 74         | 42.83    | 32.98    | 9.87   | 33.15  | 331    | 90      | P     | V     |
|                              |      | 5737.28   | 42.47      | -11.53 | 54         | 32.77    | 32.98    | 9.87   | 33.15  | 331    | 90      | A     | V     |



|                                                   |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 107.8  | -      | -  | 98.29 | 32.86 | 9.77 | 33.12 | 326 | 136 | P | H |
|                                                   | *                                                                                           | 5700    | 99.52  | -      | -  | 90.01 | 32.86 | 9.77 | 33.12 | 326 | 136 | A | H |
|                                                   |                                                                                             | 5728.36 | 58.23  | -15.77 | 74 | 48.6  | 32.94 | 9.82 | 33.13 | 326 | 136 | P | H |
|                                                   |                                                                                             | 5725    | 46.59  | -7.41  | 54 | 36.96 | 32.94 | 9.82 | 33.13 | 326 | 136 | A | H |
|                                                   | *                                                                                           | 5700    | 105.85 | -      | -  | 96.34 | 32.86 | 9.77 | 33.12 | 338 | 88  | P | V |
|                                                   | *                                                                                           | 5700    | 97.36  | -      | -  | 87.85 | 32.86 | 9.77 | 33.12 | 338 | 88  | A | V |
|                                                   |                                                                                             | 5735.32 | 54.2   | -19.8  | 74 | 44.55 | 32.98 | 9.82 | 33.15 | 338 | 88  | P | V |
|                                                   |                                                                                             | 5725    | 44.74  | -9.26  | 54 | 35.11 | 32.94 | 9.82 | 33.13 | 338 | 88  | A | V |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1                  | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000             | 46.06            | -27.94            | 74                    | 56.29             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 16500             | 56.97            | -17.03            | 74                    | 65.22             | 37.1                    | 19.45             | 65.1                 | 100            | 318               | P               | H          |
|                              |                                                                                             | 16500             | 46.24            | -7.76             | 54                    | 54.49             | 37.1                    | 19.45             | 65.1                 | 100            | 318               | A               | H          |
|                              |                                                                                             | 11000             | 44.27            | -29.73            | 74                    | 54.8              | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 16500             | 59.87            | -14.13            | 74                    | 68.12             | 37.1                    | 19.45             | 65.1                 | 159            | 360               | P               | V          |
|                              |                                                                                             | 16500             | 48.55            | -5.45             | 54                    | 56.8              | 37.1                    | 19.45             | 65.1                 | 159            | 360               | A               | V          |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160             | 45.45            | -28.55            | 74                    | 55.86             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 16740             | 50.74            | -23.26            | 74                    | 56.75             | 38.93                   | 19.6              | 64.86                | 100            | 0                 | P               | H          |
|                              |                                                                                             | 11160             | 46.63            | -27.37            | 74                    | 57.33             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 16740             | 56.46            | -17.54            | 74                    | 62.47             | 38.93                   | 19.6              | 64.86                | 200            | 311               | P               | V          |
|                              |                                                                                             | 16740             | 45.89            | -8.11             | 54                    | 51.9              | 38.93                   | 19.6              | 64.86                | 200            | 311               | A               | V          |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400             | 45.81            | -28.19            | 74                    | 56.49             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | H          |
|                              |                                                                                             | 17100             | 56.58            | -17.42            | 74                    | 60.03             | 40.84                   | 19.82             | 64.46                | 316            | 337               | P               | H          |
|                              |                                                                                             | 17100             | 45.27            | -8.73             | 54                    | 48.72             | 40.84                   | 19.82             | 64.46                | 316            | 337               | A               | H          |
|                              |                                                                                             | 11400             | 45.09            | -28.91            | 74                    | 56.05             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | V          |
|                              |                                                                                             | 17100             | 58.6             | -15.4             | 74                    | 62.05             | 40.84                   | 19.82             | 64.46                | 100            | 182               | P               | V          |
|                              |                                                                                             | 17100             | 47.91            | -6.09             | 54                    | 51.36             | 40.84                   | 19.82             | 64.46                | 100            | 182               | A               | V          |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 1                 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 100 5500MHz |      | 5469.68           | 55.89            | -18.11            | 74                    | 47.23               | 32.37                   | 9.31              | 33.02                | 336            | 138               | P                 | H            |
|                             |      | 5470              | 46.51            | -7.49             | 54                    | 37.85               | 32.37                   | 9.31              | 33.02                | 336            | 138               | A                 | H            |
|                             | *    | 5500              | 109.29           | -                 | -                     | 100.57              | 32.4                    | 9.34              | 33.02                | 336            | 138               | P                 | H            |
|                             | *    | 5500              | 100.37           | -                 | -                     | 91.65               | 32.4                    | 9.34              | 33.02                | 336            | 138               | A                 | H            |
|                             |      | 5465.84           | 53.4             | -20.6             | 74                    | 44.76               | 32.37                   | 9.29              | 33.02                | 337            | 90                | P                 | V            |
|                             |      | 5470              | 44.17            | -9.83             | 54                    | 35.51               | 32.37                   | 9.31              | 33.02                | 337            | 90                | A                 | V            |
|                             | *    | 5500              | 106.3            | -                 | -                     | 97.58               | 32.4                    | 9.34              | 33.02                | 337            | 90                | P                 | V            |
|                             | 5500 | 97.45             | -                | -                 | 88.73                 | 32.4                | 9.34                    | 33.02             | 337                  | 90             | A                 | V                 |              |
| 802.11n HT20 CH 116 5580MHz |      | 5465.92           | 52.76            | -21.24            | 74                    | 44.12               | 32.37                   | 9.29              | 33.02                | 329            | 131               | P                 | H            |
|                             |      | 5462.8            | 43.93            | -10.07            | 54                    | 35.29               | 32.37                   | 9.29              | 33.02                | 329            | 131               | A                 | H            |
|                             | *    | 5580              | 108.74           | -                 | -                     | 99.78               | 32.57                   | 9.46              | 33.07                | 329            | 131               | P                 | H            |
|                             | *    | 5580              | 99.73            | -                 | -                     | 90.77               | 32.57                   | 9.46              | 33.07                | 329            | 131               | A                 | H            |
|                             |      | 5736.02           | 51.89            | -22.11            | 74                    | 42.19               | 32.98                   | 9.87              | 33.15                | 329            | 131               | P                 | H            |
|                             |      | 5737.28           | 43.95            | -10.05            | 54                    | 34.25               | 32.98                   | 9.87              | 33.15                | 329            | 131               | A                 | H            |
|                             |      | 5469.28           | 51.1             | -22.9             | 74                    | 42.44               | 32.37                   | 9.31              | 33.02                | 331            | 90                | P                 | V            |
|                             |      | 5468.32           | 42.26            | -11.74            | 54                    | 33.6                | 32.37                   | 9.31              | 33.02                | 331            | 90                | A                 | V            |
|                             | *    | 5580              | 105.82           | -                 | -                     | 96.86               | 32.57                   | 9.46              | 33.07                | 331            | 90                | P                 | V            |
|                             | *    | 5580              | 94.57            | -                 | -                     | 85.61               | 32.57                   | 9.46              | 33.07                | 331            | 90                | A                 | V            |
|                             |      | 5734.445          | 51.56            | -22.44            | 74                    | 41.95               | 32.94                   | 9.82              | 33.15                | 331            | 90                | P                 | V            |
|                             |      | 5736.335          | 42.46            | -11.54            | 54                    | 32.76               | 32.98                   | 9.87              | 33.15                | 331            | 90                | A                 | V            |



|                                                                              |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 140</b><br><br><b>5700MHz</b> | *                                                                                           | 5700    | 107.59 | -      | -  | 98.08 | 32.86 | 9.77 | 33.12 | 330 | 131 | P | H |
|                                                                              | *                                                                                           | 5700    | 99.22  | -      | -  | 89.71 | 32.86 | 9.77 | 33.12 | 330 | 131 | A | H |
|                                                                              |                                                                                             | 5729.16 | 55.59  | -18.41 | 74 | 45.96 | 32.94 | 9.82 | 33.13 | 330 | 131 | P | H |
|                                                                              |                                                                                             | 5725    | 47.14  | -6.86  | 54 | 37.51 | 32.94 | 9.82 | 33.13 | 330 | 131 | A | H |
|                                                                              | *                                                                                           | 5700    | 105.03 | -      | -  | 95.52 | 32.86 | 9.77 | 33.12 | 335 | 89  | P | V |
|                                                                              | *                                                                                           | 5700    | 96.65  | -      | -  | 87.14 | 32.86 | 9.77 | 33.12 | 335 | 89  | A | V |
|                                                                              |                                                                                             | 5725.96 | 54.27  | -19.73 | 74 | 44.64 | 32.94 | 9.82 | 33.13 | 335 | 89  | P | V |
|                                                                              |                                                                                             | 5725    | 45.28  | -8.72  | 54 | 35.65 | 32.94 | 9.82 | 33.13 | 335 | 89  | A | V |
| <b>Remark</b>                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |





Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1                          | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n<br>HT20<br>CH 100<br>5500MHz |                                                                                             | 11000             | 46.49            | -27.51            | 74                    | 56.72               | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P                 | H            |
|                                      |                                                                                             | 16500             | 56.56            | -17.44            | 74                    | 64.81               | 37.1                    | 19.45             | 65.1                 | 100            | 317               | P                 | H            |
|                                      |                                                                                             | 16500             | 45.7             | -8.3              | 54                    | 53.95               | 37.1                    | 19.45             | 65.1                 | 100            | 317               | A                 | H            |
|                                      |                                                                                             | 11000             | 45.41            | -28.59            | 74                    | 55.94               | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P                 | V            |
|                                      |                                                                                             | 16500             | 59.48            | -14.52            | 74                    | 67.73               | 37.1                    | 19.45             | 65.1                 | 159            | 0                 | P                 | V            |
|                                      |                                                                                             | 16500             | 48.45            | -5.55             | 54                    | 56.7                | 37.1                    | 19.45             | 65.1                 | 159            | 0                 | A                 | V            |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160             | 45.6             | -28.4             | 74                    | 56.01               | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P                 | H            |
|                                      |                                                                                             | 16740             | 49.2             | -24.8             | 74                    | 55.21               | 38.93                   | 19.6              | 64.86                | 100            | 0                 | P                 | H            |
|                                      |                                                                                             | 11160             | 45.12            | -28.88            | 74                    | 55.82               | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P                 | V            |
|                                      |                                                                                             | 16740             | 56.05            | -17.95            | 74                    | 62.06               | 38.93                   | 19.6              | 64.86                | 200            | 309               | P                 | V            |
|                                      |                                                                                             | 16740             | 45.4             | -8.6              | 54                    | 51.41               | 38.93                   | 19.6              | 64.86                | 200            | 309               | A                 | V            |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400             | 45.73            | -28.27            | 74                    | 56.41               | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P                 | H            |
|                                      |                                                                                             | 17100             | 54.8             | -19.2             | 74                    | 58.25               | 40.84                   | 19.82             | 64.46                | 368            | 299               | P                 | H            |
|                                      |                                                                                             | 17100             | 44.44            | -9.56             | 54                    | 47.89               | 40.84                   | 19.82             | 64.46                | 368            | 299               | A                 | H            |
|                                      |                                                                                             | 11400             | 44.86            | -29.14            | 74                    | 55.82               | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P                 | V            |
|                                      |                                                                                             | 17100             | 57.48            | -16.52            | 74                    | 60.93               | 40.84                   | 19.82             | 64.46                | 100            | 182               | P                 | V            |
|                                      |                                                                                             | 17100             | 47.12            | -6.88             | 54                    | 50.57               | 40.84                   | 19.82             | 64.46                | 100            | 182               | A                 | V            |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                   |              |



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 1                 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 102 5510MHz |      | 5457.52           | 54.55            | -19.45            | 74                    | 45.93               | 32.35                   | 9.29              | 33.02                | 323            | 115               | P                 | H            |
|                             |      | 5468.8            | 59.21            | -8.99             | 68.2                  | 50.55               | 32.37                   | 9.31              | 33.02                | 323            | 115               | P                 | H            |
|                             |      | 5458.96           | 48.92            | -5.08             | 54                    | 40.3                | 32.35                   | 9.29              | 33.02                | 323            | 115               | A                 | H            |
|                             | *    | 5510              | 105.75           | -                 | -                     | 97.02               | 32.4                    | 9.36              | 33.03                | 323            | 115               | P                 | H            |
|                             | *    | 5510              | 96.53            | -                 | -                     | 87.8                | 32.4                    | 9.36              | 33.03                | 323            | 115               | A                 | H            |
|                             |      | 5728.775          | 50.81            | -17.39            | 68.2                  | 41.18               | 32.94                   | 9.82              | 33.13                | 323            | 115               | P                 | H            |
|                             |      | 5454.88           | 53.18            | -20.82            | 74                    | 44.56               | 32.35                   | 9.29              | 33.02                | 299            | 76                | P                 | V            |
|                             |      | 5469.52           | 58.04            | -10.16            | 68.2                  | 49.38               | 32.37                   | 9.31              | 33.02                | 299            | 76                | P                 | V            |
|                             |      | 5457.28           | 47.54            | -6.46             | 54                    | 38.92               | 32.35                   | 9.29              | 33.02                | 299            | 76                | A                 | V            |
|                             | *    | 5510              | 102.92           | -                 | -                     | 94.19               | 32.4                    | 9.36              | 33.03                | 299            | 76                | P                 | V            |
|                             | *    | 5510              | 94.11            | -                 | -                     | 85.38               | 32.4                    | 9.36              | 33.03                | 299            | 76                | A                 | V            |
|                             |      | 5751.455          | 49.91            | -18.29            | 68.2                  | 40.21               | 32.98                   | 9.87              | 33.15                | 299            | 76                | P                 | V            |
| 802.11n HT40 CH 110 5550MHz |      | 5422.96           | 52.59            | -21.41            | 74                    | 44.05               | 32.32                   | 9.24              | 33.02                | 333            | 136               | P                 | H            |
|                             |      | 5464.48           | 52.6             | -15.6             | 68.2                  | 43.96               | 32.37                   | 9.29              | 33.02                | 333            | 136               | P                 | H            |
|                             |      | 5446.72           | 45.69            | -8.31             | 54                    | 37.09               | 32.35                   | 9.27              | 33.02                | 333            | 136               | A                 | H            |
|                             | *    | 5550              | 106.08           | -                 | -                     | 97.2                | 32.52                   | 9.41              | 33.05                | 333            | 136               | P                 | H            |
|                             | *    | 5550              | 97.44            | -                 | -                     | 88.56               | 32.52                   | 9.41              | 33.05                | 333            | 136               | A                 | H            |
|                             |      | 5727.83           | 51.51            | -16.69            | 68.2                  | 41.88               | 32.94                   | 9.82              | 33.13                | 333            | 136               | P                 | H            |
|                             |      | 5450.56           | 50.17            | -23.83            | 74                    | 41.55               | 32.35                   | 9.29              | 33.02                | 298            | 77                | P                 | V            |
|                             |      | 5465.44           | 50.53            | -17.67            | 68.2                  | 41.89               | 32.37                   | 9.29              | 33.02                | 298            | 77                | P                 | V            |
|                             |      | 5436.4            | 43.54            | -10.46            | 54                    | 34.96               | 32.33                   | 9.27              | 33.02                | 298            | 77                | A                 | V            |
|                             | *    | 5550              | 102.81           | -                 | -                     | 93.93               | 32.52                   | 9.41              | 33.05                | 298            | 77                | P                 | V            |
|                             | *    | 5550              | 94.09            | -                 | -                     | 85.21               | 32.52                   | 9.41              | 33.05                | 298            | 77                | A                 | V            |
|                             |      | 5733.185          | 50.25            | -17.95            | 68.2                  | 40.64               | 32.94                   | 9.82              | 33.15                | 298            | 77                | P                 | V            |



|                                                                              |                                                                                             |         |        |        |      |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT40</b><br><br><b>CH 134</b><br><br><b>5670MHz</b> |                                                                                             | 5390.25 | 50.26  | -23.74 | 74   | 41.79 | 32.28 | 9.21 | 33.02 | 325 | 133 | P | H |
|                                                                              |                                                                                             | 5464.1  | 50.87  | -17.33 | 68.2 | 42.23 | 32.37 | 9.29 | 33.02 | 325 | 133 | P | H |
|                                                                              |                                                                                             | 5446.6  | 42.54  | -11.46 | 54   | 33.94 | 32.35 | 9.27 | 33.02 | 325 | 133 | A | H |
|                                                                              | *                                                                                           | 5670    | 106.31 | -      | -    | 96.94 | 32.81 | 9.67 | 33.11 | 325 | 133 | P | H |
|                                                                              | *                                                                                           | 5670    | 97.08  | -      | -    | 87.71 | 32.81 | 9.67 | 33.11 | 325 | 133 | A | H |
|                                                                              |                                                                                             | 5727.83 | 54.61  | -13.59 | 68.2 | 44.98 | 32.94 | 9.82 | 33.13 | 325 | 133 | P | H |
|                                                                              |                                                                                             | 5413.35 | 48.91  | -25.09 | 74   | 40.37 | 32.32 | 9.24 | 33.02 | 304 | 98  | P | V |
|                                                                              |                                                                                             | 5460.95 | 48.88  | -19.32 | 68.2 | 40.26 | 32.35 | 9.29 | 33.02 | 304 | 98  | P | V |
|                                                                              |                                                                                             | 5455.35 | 41.76  | -12.24 | 54   | 33.14 | 32.35 | 9.29 | 33.02 | 304 | 98  | A | V |
|                                                                              | *                                                                                           | 5670    | 102.01 | -      | -    | 92.64 | 32.81 | 9.67 | 33.11 | 304 | 98  | P | V |
|                                                                              | *                                                                                           | 5670    | 93.77  | -      | -    | 84.4  | 32.81 | 9.67 | 33.11 | 304 | 98  | A | V |
|                                                                              |                                                                                             | 5725.45 | 51.69  | -16.51 | 68.2 | 42.06 | 32.94 | 9.82 | 33.13 | 304 | 98  | 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 Ant. 1         | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT40 CH 102 |                                                                                             | 11020             | 45.85            | -28.15            | 74                    | 56.09               | 39.18                   | 15.4              | 65.11                | 100            | 0                 | P               | H          |
|                     |                                                                                             | 16530             | 49.46            | -18.74            | 68.2                  | 57.41               | 37.36                   | 19.46             | 65.07                | 100            | 0                 | P               | H          |
| 5510MHz             |                                                                                             | 11020             | 46.07            | -27.93            | 74                    | 56.6                | 39.18                   | 15.4              | 65.11                | 100            | 0                 | P               | V          |
|                     |                                                                                             | 16530             | 52.26            | -15.94            | 68.2                  | 60.21               | 37.36                   | 19.46             | 65.07                | 100            | 0                 | P               | V          |
| 802.11n HT40 CH 110 |                                                                                             | 11100             | 45.8             | -28.2             | 74                    | 56.15               | 39.06                   | 15.46             | 65.16                | 100            | 0                 | P               | H          |
|                     |                                                                                             | 16650             | 49.39            | -18.81            | 68.2                  | 56.19               | 38.28                   | 19.55             | 64.94                | 100            | 0                 | P               | H          |
|                     |                                                                                             | 11100             | 45.82            | -28.18            | 74                    | 56.46               | 39.06                   | 15.46             | 65.16                | 100            | 0                 | P               | V          |
|                     |                                                                                             | 16650             | 51               | -17.2             | 68.2                  | 57.8                | 38.28                   | 19.55             | 64.94                | 100            | 0                 | P               | V          |
| 802.11n HT40 CH 134 |                                                                                             | 11340             | 45.61            | -28.39            | 74                    | 56.2                | 38.73                   | 15.69             | 65.3                 | 100            | 0                 | P               | H          |
|                     |                                                                                             | 17010             | 50.76            | -17.44            | 68.2                  | 54.32               | 40.89                   | 19.79             | 64.58                | 100            | 0                 | P               | H          |
|                     |                                                                                             | 11340             | 45.56            | -28.44            | 74                    | 56.44               | 38.73                   | 15.69             | 65.3                 | 100            | 0                 | P               | V          |
|                     |                                                                                             | 17010             | 52.69            | -15.51            | 68.2                  | 56.25               | 40.89                   | 19.79             | 64.58                | 100            | 0                 | P               | V          |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1                   | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT80 CH 106 5530MHz |                                                                                             | 5461.84           | 57.98            | -16.02            | 74                    | 49.36               | 32.35                   | 9.29              | 33.02                | 323            | 149               | P                 | H            |
|                               |                                                                                             | 5461.12           | 48.75            | -5.25             | 54                    | 40.13               | 32.35                   | 9.29              | 33.02                | 323            | 149               | A                 | H            |
|                               | *                                                                                           | 5530              | 100.36           | -                 | -                     | 91.58               | 32.44                   | 9.39              | 33.05                | 323            | 149               | P                 | H            |
|                               | *                                                                                           | 5530              | 91.45            | -                 | -                     | 82.67               | 32.44                   | 9.39              | 33.05                | 323            | 149               | A                 | H            |
|                               |                                                                                             | 5742.32           | 49.76            | -24.24            | 74                    | 40.06               | 32.98                   | 9.87              | 33.15                | 323            | 149               | P                 | H            |
|                               |                                                                                             | 5725.31           | 42.46            | -11.54            | 54                    | 32.83               | 32.94                   | 9.82              | 33.13                | 323            | 149               | A                 | H            |
|                               |                                                                                             | 5453.44           | 52.92            | -21.08            | 74                    | 44.3                | 32.35                   | 9.29              | 33.02                | 300            | 77                | P                 | V            |
|                               |                                                                                             | 5459.68           | 47.34            | -6.66             | 54                    | 38.72               | 32.35                   | 9.29              | 33.02                | 300            | 77                | A                 | V            |
|                               | *                                                                                           | 5530              | 96.99            | -                 | -                     | 88.21               | 32.44                   | 9.39              | 33.05                | 300            | 77                | P                 | V            |
|                               | *                                                                                           | 5530              | 88.32            | -                 | -                     | 79.54               | 32.44                   | 9.39              | 33.05                | 300            | 77                | A                 | V            |
|                               |                                                                                             | 5745.47           | 50.53            | -23.47            | 74                    | 40.83               | 32.98                   | 9.87              | 33.15                | 300            | 77                | P                 | V            |
|                               |                                                                                             | 5756.18           | 42.14            | -11.86            | 54                    | 32.36               | 33.02                   | 9.92              | 33.16                | 300            | 77                | A                 | V            |
| 802.11ac VHT80 CH 122 5610MHz |                                                                                             | 5458.85           | 55.64            | -18.36            | 74                    | 47.02               | 32.35                   | 9.29              | 33.02                | 342            | 131               | P                 | H            |
|                               |                                                                                             | 5470              | 47.27            | -6.73             | 54                    | 38.61               | 32.37                   | 9.31              | 33.02                | 342            | 131               | A                 | H            |
|                               | *                                                                                           | 5610              | 103.29           | -                 | -                     | 94.19               | 32.65                   | 9.53              | 33.08                | 342            | 131               | P                 | H            |
|                               | *                                                                                           | 5610              | 95.24            | -                 | -                     | 86.14               | 32.65                   | 9.53              | 33.08                | 342            | 131               | A                 | H            |
|                               |                                                                                             | 5747.36           | 56.12            | -17.88            | 74                    | 46.42               | 32.98                   | 9.87              | 33.15                | 342            | 131               | P                 | H            |
|                               |                                                                                             | 5725.31           | 47.52            | -6.48             | 54                    | 37.89               | 32.94                   | 9.82              | 33.13                | 342            | 131               | A                 | H            |
|                               |                                                                                             | 5465.85           | 51.5             | -22.5             | 74                    | 42.86               | 32.37                   | 9.29              | 33.02                | 293            | 87                | P                 | V            |
|                               |                                                                                             | 5470              | 44.2             | -9.8              | 54                    | 35.54               | 32.37                   | 9.31              | 33.02                | 293            | 87                | A                 | V            |
|                               | *                                                                                           | 5610              | 98.97            | -                 | -                     | 89.87               | 32.65                   | 9.53              | 33.08                | 293            | 87                | P                 | V            |
|                               | *                                                                                           | 5610              | 90.5             | -                 | -                     | 81.4                | 32.65                   | 9.53              | 33.08                | 293            | 87                | A                 | V            |
|                               | 5727.2                                                                                      | 51.99             | -22.01           | 74                | 42.36                 | 32.94               | 9.82                    | 33.13             | 293                  | 87             | P                 | V                 |              |
|                               | 5730.35                                                                                     | 44.54             | -9.46            | 54                | 34.93                 | 32.94               | 9.82                    | 33.15             | 293                  | 87             | A                 | V                 |              |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                   |              |



**Band 3 5470~5725MHz**

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

| WIFI Ant. 1                   | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80                |                                                                                             | 11060             | 44.96            | -29.04            | 74                    | 55.26             | 39.11                   | 15.44             | 65.14                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 16590             | 45.17            | -28.83            | 74                    | 52.6              | 37.76                   | 19.52             | 65.01                | 100            | 0                 | P               | H          |
| CH 106 5530MHz                |                                                                                             | 11060             | 45.29            | -28.71            | 74                    | 55.88             | 39.11                   | 15.44             | 65.14                | 100            | 0                 | P               | V          |
|                               |                                                                                             | 16590             | 45.86            | -28.14            | 74                    | 53.29             | 37.76                   | 19.52             | 65.01                | 100            | 0                 | P               | V          |
| 802.11ac VHT80 CH 122 5610MHz |                                                                                             | 11220             | 45.82            | -28.18            | 74                    | 56.28             | 38.9                    | 15.58             | 65.23                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 16830             | 50.68            | -23.32            | 74                    | 55.85             | 39.59                   | 19.68             | 64.77                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 11220             | 46.36            | -27.64            | 74                    | 57.11             | 38.9                    | 15.58             | 65.23                | 100            | 0                 | P               | V          |
|                               |                                                                                             | 16830             | 51.73            | -22.27            | 74                    | 56.9              | 39.59                   | 19.68             | 64.77                | 285            | 0                 | P               | V          |
|                               |                                                                                             | 16830             | 42.28            | -11.72            | 54                    | 47.45             | 39.59                   | 19.68             | 64.77                | 285            | 0                 | A               | V          |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                                                             |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                            |                                                                                             | ( MHz )   | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | ( dBµV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 144<br>5720MHz | *                                                                                           | 5720      | 109.2      | -      | -          | 99.57    | 32.94    | 9.82   | 33.13  | 327    | 134     | P       | H       |
|                              | *                                                                                           | 5720      | 100.32     | -      | -          | 90.69    | 32.94    | 9.82   | 33.13  | 327    | 134     | A       | H       |
|                              | *                                                                                           | 5720      | 105.61     | -      | -          | 95.98    | 32.94    | 9.82   | 33.13  | 312    | 85      | P       | V       |
|                              | *                                                                                           | 5720      | 97.05      | -      | -          | 87.42    | 32.94    | 9.82   | 33.13  | 312    | 85      | A       | V       |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



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

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test data for 802.11a CH 144 and a Remark section.





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

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11n HT20, CH 144, and 5720MHz, plus a Remark section.



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

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test data for 802.11n HT20 CH 144 at 5720MHz and a Remark section.



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

| WIFI Ant. 1 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n     | *                                                                                           | 5710              | 106.24           | -                 | -                     | 96.7                | 32.9                    | 9.77              | 33.13                | 328            | 134               | P                 | H            |
| HT40        | *                                                                                           | 5710              | 97.43            | -                 | -                     | 87.89               | 32.9                    | 9.77              | 33.13                | 328            | 134               | A                 | H            |
| CH 142      | *                                                                                           | 5710              | 103.35           | -                 | -                     | 93.81               | 32.9                    | 9.77              | 33.13                | 297            | 99                | P                 | V            |
| 5710MHz     | *                                                                                           | 5710              | 94.25            | -                 | -                     | 84.71               | 32.9                    | 9.77              | 33.13                | 297            | 99                | A                 | V            |
| Remark      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                   |              |



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

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test data for 802.11n HT40 CH 142 at 5710MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac, VHT80, CH 138, 5690MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac VHT80 and CH 138 5690MHz, and a Remark section.



Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

| WIFI                    | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                    |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                       |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>LF |                                                                            | 38.91     | 31.15      | -8.85  | 40         | 43.1     | 19.85    | 0.68   | 32.49  | 100    | 0       | P       | H       |
|                         |                                                                            | 222.24    | 33.92      | -12.08 | 46         | 48.96    | 15.41    | 1.88   | 32.39  | -      | -       | P       | H       |
|                         |                                                                            | 241.41    | 35.43      | -10.57 | 46         | 48.36    | 17.43    | 1.95   | 32.38  | -      | -       | P       | H       |
|                         |                                                                            | 305.6     | 28.99      | -17.01 | 46         | 39.77    | 19.28    | 2.22   | 32.37  | -      | -       | P       | H       |
|                         |                                                                            | 780.9     | 30.12      | -15.88 | 46         | 30.37    | 28.34    | 3.5    | 32.24  | -      | -       | P       | H       |
|                         |                                                                            | 935.6     | 32.57      | -13.43 | 46         | 29.71    | 30.21    | 3.81   | 31.33  | -      | -       | P       | H       |
|                         |                                                                            | 38.37     | 35.84      | -4.16  | 40         | 47.79    | 19.85    | 0.68   | 32.49  | 100    | 0       | P       | V       |
|                         |                                                                            | 98.31     | 24.55      | -18.95 | 43.5       | 39.95    | 15.79    | 1.27   | 32.48  | -      | -       | P       | V       |
|                         |                                                                            | 210.9     | 28.27      | -15.23 | 43.5       | 43.72    | 15.08    | 1.8    | 32.39  | -      | -       | P       | V       |
|                         |                                                                            | 626.9     | 27.65      | -18.35 | 46         | 30.65    | 26.23    | 3.13   | 32.46  | -      | -       | P       | V       |
|                         |                                                                            | 742.4     | 30.64      | -15.36 | 46         | 31.37    | 28.05    | 3.44   | 32.35  | -      | -       | P       | V       |
|                         |                                                                            | 907.6     | 31.99      | -14.01 | 46         | 30.31    | 29.31    | 3.8    | 31.59  | -      | -       | P       | V       |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                           |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5149.76   | 56.56      | -17.44 | 74         | 48.49    | 32.05    | 9.05   | 33.03  | 329    | 12      | P       | H       |
|                             |      | 5149.76   | 48.91      | -5.09  | 54         | 40.84    | 32.05    | 9.05   | 33.03  | 329    | 12      | A       | H       |
|                             | *    | 5180      | 106.96     | -      | -          | 98.83    | 32.08    | 9.08   | 33.03  | 329    | 12      | P       | H       |
|                             | *    | 5180      | 97.63      | -      | -          | 89.5     | 32.08    | 9.08   | 33.03  | 329    | 12      | A       | H       |
|                             |      | 5148.72   | 55.26      | -18.74 | 74         | 47.19    | 32.05    | 9.05   | 33.03  | 315    | 257     | P       | V       |
|                             |      | 5149.24   | 47.61      | -6.39  | 54         | 39.54    | 32.05    | 9.05   | 33.03  | 315    | 257     | A       | V       |
|                             | *    | 5180      | 104.83     | -      | -          | 96.7     | 32.08    | 9.08   | 33.03  | 315    | 257     | P       | V       |
|                             | *    | 5180      | 95.93      | -      | -          | 87.8     | 32.08    | 9.08   | 33.03  | 315    | 257     | A       | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5114.66   | 52.12      | -21.88 | 74         | 44.12    | 32.02    | 9.02   | 33.04  | 339    | 360     | P       | H       |
|                             |      | 5061.36   | 42.92      | -11.08 | 54         | 35.02    | 31.97    | 8.97   | 33.04  | 339    | 360     | A       | H       |
|                             | *    | 5220      | 106.89     | -      | -          | 98.7     | 32.12    | 9.1    | 33.03  | 339    | 360     | P       | H       |
|                             | *    | 5220      | 97.09      | -      | -          | 88.9     | 32.12    | 9.1    | 33.03  | 339    | 360     | A       | H       |
|                             |      | 5405.52   | 51.27      | -22.73 | 74         | 42.77    | 32.3     | 9.22   | 33.02  | 339    | 360     | P       | H       |
|                             |      | 5377.92   | 44.02      | -9.98  | 54         | 35.55    | 32.28    | 9.21   | 33.02  | 339    | 360     | A       | H       |
|                             |      | 5064.48   | 52.23      | -21.77 | 74         | 44.33    | 31.97    | 8.97   | 33.04  | 314    | 254     | P       | V       |
|                             |      | 5055.9    | 43.31      | -10.69 | 54         | 35.41    | 31.97    | 8.97   | 33.04  | 314    | 254     | A       | V       |
|                             | *    | 5220      | 104.99     | -      | -          | 96.8     | 32.12    | 9.1    | 33.03  | 314    | 254     | P       | V       |
|                             | *    | 5220      | 96.29      | -      | -          | 88.1     | 32.12    | 9.1    | 33.03  | 314    | 254     | A       | V       |
|                             |      | 5376.96   | 50.4       | -23.6  | 74         | 41.94    | 32.27    | 9.21   | 33.02  | 314    | 254     | P       | V       |
|                             |      | 5376.96   | 42.43      | -11.57 | 54         | 33.97    | 32.27    | 9.21   | 33.02  | 314    | 254     | A       | V       |





|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 48<br/>5240MHz</b> |                                                                                             | 5130    | 52.22  | -21.78 | 74 | 44.19 | 32.03 | 9.03 | 33.03 | 335 | 360 | P | H |
|                                      |                                                                                             | 5122.98 | 43.46  | -10.54 | 54 | 35.44 | 32.03 | 9.02 | 33.03 | 335 | 360 | A | H |
|                                      | *                                                                                           | 5240    | 107.88 | -      | -  | 99.67 | 32.13 | 9.11 | 33.03 | 335 | 360 | P | H |
|                                      | *                                                                                           | 5240    | 98.62  | -      | -  | 90.41 | 32.13 | 9.11 | 33.03 | 335 | 360 | A | H |
|                                      |                                                                                             | 5382.72 | 52.06  | -21.94 | 74 | 43.59 | 32.28 | 9.21 | 33.02 | 335 | 360 | P | H |
|                                      |                                                                                             | 5368.32 | 44.65  | -9.35  | 54 | 36.21 | 32.27 | 9.2  | 33.03 | 335 | 360 | A | H |
|                                      |                                                                                             | 5091.78 | 51.15  | -22.85 | 74 | 43.19 | 32    | 9    | 33.04 | 308 | 255 | P | V |
|                                      |                                                                                             | 5077.74 | 42.94  | -11.06 | 54 | 35.01 | 31.98 | 8.99 | 33.04 | 308 | 255 | A | V |
|                                      | *                                                                                           | 5240    | 104.26 | -      | -  | 96.05 | 32.13 | 9.11 | 33.03 | 308 | 255 | P | V |
|                                      | *                                                                                           | 5240    | 96.12  | -      | -  | 87.91 | 32.13 | 9.11 | 33.03 | 308 | 255 | A | V |
|                                      |                                                                                             | 5394.72 | 50.59  | -23.41 | 74 | 42.09 | 32.3  | 9.22 | 33.02 | 308 | 255 | P | V |
|                                      |                                                                                             | 5363.28 | 42.97  | -11.03 | 54 | 34.53 | 32.27 | 9.2  | 33.03 | 308 | 255 | 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 Ant. 2                 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 36<br>5180MHz |                                                                                             | 10360             | 45.57            | -28.43            | 74                    | 57.1              | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15540             | 47.19            | -26.81            | 74                    | 54.51             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10360             | 44.79            | -29.21            | 74                    | 56.63             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15540             | 50.88            | -23.12            | 74                    | 58.2              | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440             | 45.04            | -28.96            | 74                    | 56.41             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15660             | 47.56            | -26.44            | 74                    | 55.5              | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10440             | 44.22            | -29.78            | 74                    | 55.9              | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15660             | 50.92            | -23.08            | 74                    | 58.86             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480             | 46.71            | -27.29            | 74                    | 58                | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15720             | 46.25            | -27.75            | 74                    | 54.57             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10480             | 45.62            | -28.38            | 74                    | 57.22             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15720             | 54.88            | -19.12            | 74                    | 63.2              | 36.89                   | 18.85             | 64.39                | 100            | 343               | P               | V          |
|                             |                                                                                             | 15720             | 41.87            | -12.13            | 54                    | 50.19             | 36.89                   | 18.85             | 64.39                | 100            | 343               | A               | V          |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 2                | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 36 5180MHz |         | 5146.64           | 56.01            | -17.99            | 74                    | 47.94               | 32.05                   | 9.05              | 33.03                | 324            | 15                | P                 | H            |
|                            |         | 5150              | 48.45            | -5.55             | 54                    | 40.38               | 32.05                   | 9.05              | 33.03                | 324            | 15                | A                 | H            |
|                            | *       | 5180              | 106.89           | -                 | -                     | 98.76               | 32.08                   | 9.08              | 33.03                | 324            | 15                | P                 | H            |
|                            | *       | 5180              | 97.43            | -                 | -                     | 89.3                | 32.08                   | 9.08              | 33.03                | 324            | 15                | A                 | H            |
|                            |         | 5148.98           | 56.89            | -17.11            | 74                    | 48.82               | 32.05                   | 9.05              | 33.03                | 333            | 267               | P                 | V            |
|                            |         | 5149.5            | 46.82            | -7.18             | 54                    | 38.75               | 32.05                   | 9.05              | 33.03                | 333            | 267               | A                 | V            |
|                            | *       | 5180              | 104.15           | -                 | -                     | 96.02               | 32.08                   | 9.08              | 33.03                | 333            | 267               | P                 | V            |
|                            | 5180    | 95.83             | -                | -                 | 87.7                  | 32.08               | 9.08                    | 33.03             | 333                  | 267            | A                 | V                 |              |
| 802.11n HT20 CH 44 5220MHz |         | 5058.24           | 52.14            | -21.86            | 74                    | 44.24               | 31.97                   | 8.97              | 33.04                | 337            | 11                | P                 | H            |
|                            |         | 5093.34           | 43.35            | -10.65            | 54                    | 35.39               | 32                      | 9                 | 33.04                | 337            | 11                | A                 | H            |
|                            | *       | 5220              | 106.87           | -                 | -                     | 98.68               | 32.12                   | 9.1               | 33.03                | 337            | 11                | P                 | H            |
|                            | *       | 5220              | 97.87            | -                 | -                     | 89.68               | 32.12                   | 9.1               | 33.03                | 337            | 11                | A                 | H            |
|                            |         | 5376              | 50.84            | -23.16            | 74                    | 42.39               | 32.27                   | 9.2               | 33.02                | 337            | 11                | P                 | H            |
|                            |         | 5376.96           | 43.63            | -10.37            | 54                    | 35.17               | 32.27                   | 9.21              | 33.02                | 337            | 11                | A                 | H            |
|                            |         | 5041.08           | 52.32            | -21.68            | 74                    | 44.45               | 31.95                   | 8.96              | 33.04                | 312            | 256               | P                 | V            |
|                            |         | 5062.92           | 43.06            | -10.94            | 54                    | 35.16               | 31.97                   | 8.97              | 33.04                | 312            | 256               | A                 | V            |
|                            | *       | 5220              | 104.66           | -                 | -                     | 96.47               | 32.12                   | 9.1               | 33.03                | 312            | 256               | P                 | V            |
|                            | *       | 5220              | 95.72            | -                 | -                     | 87.53               | 32.12                   | 9.1               | 33.03                | 312            | 256               | A                 | V            |
|                            |         | 5375.52           | 50.16            | -23.84            | 74                    | 41.71               | 32.27                   | 9.2               | 33.02                | 312            | 256               | P                 | V            |
|                            | 5351.28 | 42.37             | -11.63           | 54                | 33.96                 | 32.25               | 9.19                    | 33.03             | 312                  | 256            | A                 | V                 |              |



|                                                                             |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |                                                                                             | 5140.66 | 51.71  | -22.29 | 74 | 43.66 | 32.05 | 9.03 | 33.03 | 337 | 360 | P | H |
|                                                                             |                                                                                             | 5135.72 | 42.96  | -11.04 | 54 | 34.93 | 32.03 | 9.03 | 33.03 | 337 | 360 | A | H |
|                                                                             | *                                                                                           | 5240    | 107.09 | -      | -  | 98.88 | 32.13 | 9.11 | 33.03 | 337 | 360 | P | H |
|                                                                             | *                                                                                           | 5240    | 97.52  | -      | -  | 89.31 | 32.13 | 9.11 | 33.03 | 337 | 360 | A | H |
|                                                                             |                                                                                             | 5375.28 | 51.72  | -22.28 | 74 | 43.27 | 32.27 | 9.2  | 33.02 | 337 | 360 | P | H |
|                                                                             |                                                                                             | 5366.4  | 43.96  | -10.04 | 54 | 35.52 | 32.27 | 9.2  | 33.03 | 337 | 360 | A | H |
|                                                                             |                                                                                             | 5085.28 | 51.89  | -22.11 | 74 | 43.96 | 31.98 | 8.99 | 33.04 | 308 | 255 | P | V |
|                                                                             |                                                                                             | 5081.64 | 42.34  | -11.66 | 54 | 34.41 | 31.98 | 8.99 | 33.04 | 308 | 255 | A | V |
|                                                                             | *                                                                                           | 5240    | 103.99 | -      | -  | 95.76 | 32.15 | 9.11 | 33.03 | 308 | 255 | P | V |
|                                                                             | *                                                                                           | 5240    | 95.18  | -      | -  | 86.95 | 32.15 | 9.11 | 33.03 | 308 | 255 | A | V |
|                                                                             |                                                                                             | 5391.12 | 50.36  | -23.64 | 74 | 41.89 | 32.28 | 9.21 | 33.02 | 308 | 255 | P | V |
|                                                                             |                                                                                             | 5356.8  | 42.61  | -11.39 | 54 | 34.2  | 32.25 | 9.19 | 33.03 | 308 | 255 | 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 Ant. 2        | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 36 |                                                                                             | 10360             | 44.97            | -29.03            | 74                    | 56.5              | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15540             | 48.07            | -25.93            | 74                    | 55.39             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | H          |
| 5180MHz            |                                                                                             | 10360             | 44.26            | -29.74            | 74                    | 55.79             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15540             | 49.58            | -24.42            | 74                    | 56.9              | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | V          |
| 802.11n HT20 CH 44 |                                                                                             | 10440             | 43.83            | -30.17            | 74                    | 55.2              | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15660             | 48.19            | -25.81            | 74                    | 56.13             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 10440             | 44.09            | -29.91            | 74                    | 55.46             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15660             | 48.86            | -25.14            | 74                    | 56.8              | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | V          |
| 802.11n HT20 CH 48 |                                                                                             | 10480             | 45.69            | -28.31            | 74                    | 56.98             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15720             | 45.88            | -28.12            | 74                    | 54.2              | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 10480             | 44.83            | -29.17            | 74                    | 56.12             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15720             | 47.81            | -26.19            | 74                    | 56.13             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | V          |
| Remark             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 38 5190MHz |                                                                                             | 5149.76           | 55.53            | -18.47            | 74                    | 47.46               | 32.05                   | 9.05              | 33.03                | 324            | 12                | P                 | H            |
|                            |                                                                                             | 5150              | 49.79            | -4.21             | 54                    | 41.72               | 32.05                   | 9.05              | 33.03                | 324            | 12                | A                 | H            |
|                            | *                                                                                           | 5190              | 101              | -                 | -                     | 92.87               | 32.08                   | 9.08              | 33.03                | 324            | 12                | P                 | H            |
|                            | *                                                                                           | 5190              | 91.79            | -                 | -                     | 83.66               | 32.08                   | 9.08              | 33.03                | 324            | 12                | A                 | H            |
|                            |                                                                                             | 5455.52           | 49.99            | -24.01            | 74                    | 41.37               | 32.35                   | 9.29              | 33.02                | 324            | 12                | P                 | H            |
|                            |                                                                                             | 5358.36           | 43.12            | -10.88            | 54                    | 34.7                | 32.25                   | 9.2               | 33.03                | 324            | 12                | A                 | H            |
|                            |                                                                                             | 5148.46           | 56.11            | -17.89            | 74                    | 48.04               | 32.05                   | 9.05              | 33.03                | 313            | 252               | P                 | V            |
|                            |                                                                                             | 5150              | 49.31            | -4.69             | 54                    | 41.24               | 32.05                   | 9.05              | 33.03                | 313            | 252               | A                 | V            |
|                            | *                                                                                           | 5190              | 98.95            | -                 | -                     | 90.82               | 32.08                   | 9.08              | 33.03                | 313            | 252               | P                 | V            |
|                            | *                                                                                           | 5190              | 90.41            | -                 | -                     | 82.28               | 32.08                   | 9.08              | 33.03                | 313            | 252               | A                 | V            |
|                            |                                                                                             | 5409.32           | 48.47            | -25.53            | 74                    | 39.97               | 32.3                    | 9.22              | 33.02                | 313            | 252               | P                 | V            |
|                            |                                                                                             | 5354.16           | 41.5             | -12.5             | 54                    | 33.09               | 32.25                   | 9.19              | 33.03                | 313            | 252               | A                 | V            |
| 802.11n HT40 CH 46 5230MHz |                                                                                             | 5146.12           | 54.94            | -19.06            | 74                    | 46.87               | 32.05                   | 9.05              | 33.03                | 335            | 11                | P                 | H            |
|                            |                                                                                             | 5149.76           | 46.78            | -7.22             | 54                    | 38.71               | 32.05                   | 9.05              | 33.03                | 335            | 11                | A                 | H            |
|                            | *                                                                                           | 5230              | 104.92           | -                 | -                     | 96.72               | 32.13                   | 9.1               | 33.03                | 335            | 11                | P                 | H            |
|                            | *                                                                                           | 5230              | 95.83            | -                 | -                     | 87.63               | 32.13                   | 9.1               | 33.03                | 335            | 11                | A                 | H            |
|                            |                                                                                             | 5379.92           | 52.02            | -21.98            | 74                    | 43.55               | 32.28                   | 9.21              | 33.02                | 335            | 11                | P                 | H            |
|                            |                                                                                             | 5352.2            | 45.19            | -8.81             | 54                    | 36.78               | 32.25                   | 9.19              | 33.03                | 335            | 11                | A                 | H            |
|                            |                                                                                             | 5146.64           | 53.26            | -20.74            | 74                    | 45.19               | 32.05                   | 9.05              | 33.03                | 313            | 255               | P                 | V            |
|                            |                                                                                             | 5149.76           | 45.3             | -8.7              | 54                    | 37.23               | 32.05                   | 9.05              | 33.03                | 313            | 255               | A                 | V            |
|                            | *                                                                                           | 5230              | 102.41           | -                 | -                     | 94.21               | 32.13                   | 9.1               | 33.03                | 313            | 255               | P                 | V            |
|                            | *                                                                                           | 5230              | 93.02            | -                 | -                     | 84.82               | 32.13                   | 9.1               | 33.03                | 313            | 255               | A                 | V            |
|                            | 5382.72                                                                                     | 49.9              | -24.1            | 74                | 41.43                 | 32.28               | 9.21                    | 33.02             | 313                  | 255            | P                 | V                 |              |
|                            | 5360.88                                                                                     | 43.21             | -10.79           | 54                | 34.77                 | 32.27               | 9.2                     | 33.03             | 313                  | 255            | 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 Ant. 2        | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT40 CH 38 |                                                                                             | 10380             | 45.64            | -28.36            | 74                    | 57.12             | 38.44                   | 14.97             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15570             | 45.08            | -28.92            | 74                    | 52.59             | 37.45                   | 18.71             | 64.05                | 100            | 0                 | P               | H          |
| 5190MHz            |                                                                                             | 10380             | 45.49            | -28.51            | 74                    | 57.28             | 38.44                   | 14.97             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15570             | 46               | -28               | 74                    | 53.51             | 37.45                   | 18.71             | 64.05                | 100            | 0                 | P               | V          |
| 802.11n HT40 CH 46 |                                                                                             | 10460             | 44.82            | -29.18            | 74                    | 56.16             | 38.53                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15690             | 46.8             | -27.2             | 74                    | 54.93             | 37.02                   | 18.83             | 64.32                | 100            | 0                 | P               | H          |
| 5230MHz            |                                                                                             | 10460             | 44.18            | -29.82            | 74                    | 55.83             | 38.53                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15690             | 49.18            | -24.82            | 74                    | 57.31             | 37.02                   | 18.83             | 64.32                | 100            | 0                 | P               | V          |
| Remark             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 2                  | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 42 5210MHz |                                                                                             | 5142.22           | 56.75            | -17.25            | 74                    | 48.7              | 32.05                   | 9.03              | 33.03                | 322            | 12                | P               | H          |
|                              |                                                                                             | 5147.94           | 50.81            | -3.19             | 54                    | 42.74             | 32.05                   | 9.05              | 33.03                | 322            | 12                | A               | H          |
|                              | *                                                                                           | 5210              | 96.86            | -                 | -                     | 88.68             | 32.12                   | 9.09              | 33.03                | 322            | 12                | P               | H          |
|                              | *                                                                                           | 5210              | 87.66            | -                 | -                     | 79.48             | 32.12                   | 9.09              | 33.03                | 322            | 12                | A               | H          |
|                              |                                                                                             | 5373.2            | 50.13            | -23.87            | 74                    | 41.69             | 32.27                   | 9.2               | 33.03                | 322            | 12                | P               | H          |
|                              |                                                                                             | 5355.28           | 42.35            | -11.65            | 54                    | 33.94             | 32.25                   | 9.19              | 33.03                | 322            | 12                | A               | H          |
|                              |                                                                                             | 5136.5            | 56.8             | -17.2             | 74                    | 48.77             | 32.03                   | 9.03              | 33.03                | 312            | 253               | P               | V          |
|                              |                                                                                             | 5147.16           | 49.36            | -4.64             | 54                    | 41.29             | 32.05                   | 9.05              | 33.03                | 312            | 253               | A               | V          |
|                              | *                                                                                           | 5210              | 94.11            | -                 | -                     | 85.93             | 32.12                   | 9.09              | 33.03                | 312            | 253               | P               | V          |
|                              | *                                                                                           | 5210              | 85.49            | -                 | -                     | 77.31             | 32.12                   | 9.09              | 33.03                | 312            | 253               | A               | V          |
|                              |                                                                                             | 5379.36           | 49.05            | -24.95            | 74                    | 40.58             | 32.28                   | 9.21              | 33.02                | 312            | 253               | P               | V          |
|                              | 5353.32                                                                                     | 41.3              | -12.7            | 54                | 32.89                 | 32.25             | 9.19                    | 33.03             | 312                  | 253            | 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 Ant. 2 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac    |                                                                                             | 10420             | 44.88            | -29.12            | 74                    | 56.3              | 38.48                   | 14.99             | 65.2                 | 100            | 0                 | P               | H          |
| VHT80       |                                                                                             | 15630             | 44.86            | -29.14            | 74                    | 52.72             | 37.2                    | 18.78             | 64.2                 | 100            | 0                 | P               | H          |
| CH 42       |                                                                                             | 10420             | 44.75            | -29.25            | 74                    | 56.48             | 38.48                   | 14.99             | 65.2                 | 100            | 0                 | P               | V          |
| 5210MHz     |                                                                                             | 15630             | 44.61            | -29.39            | 74                    | 52.47             | 37.2                    | 18.78             | 64.2                 | 100            | 0                 | P               | V          |
| Remark      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                           |      | ( MHz )   | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | ( dBµV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5128.86   | 51.94      | -22.06 | 74         | 43.91    | 32.03    | 9.03   | 33.03  | 336    | 0       | P       | H       |
|                             |      | 5143.14   | 43.56      | -10.44 | 54         | 35.49    | 32.05    | 9.05   | 33.03  | 336    | 0       | A       | H       |
|                             | *    | 5260      | 107.88     | -      | -          | 99.61    | 32.17    | 9.13   | 33.03  | 336    | 0       | P       | H       |
|                             | *    | 5260      | 99.04      | -      | -          | 90.77    | 32.17    | 9.13   | 33.03  | 336    | 0       | A       | H       |
|                             |      | 5359.2    | 51.67      | -22.33 | 74         | 43.25    | 32.25    | 9.2    | 33.03  | 336    | 0       | P       | H       |
|                             |      | 5364.72   | 44.94      | -9.06  | 54         | 36.5     | 32.27    | 9.2    | 33.03  | 336    | 0       | A       | H       |
|                             |      | 5125.12   | 51.04      | -22.96 | 74         | 43.01    | 32.03    | 9.03   | 33.03  | 318    | 256     | P       | V       |
|                             |      | 5147.22   | 43.48      | -10.52 | 54         | 35.41    | 32.05    | 9.05   | 33.03  | 318    | 256     | A       | V       |
|                             | *    | 5260      | 104.53     | -      | -          | 96.26    | 32.17    | 9.13   | 33.03  | 318    | 256     | P       | V       |
|                             | *    | 5260      | 97.13      | -      | -          | 88.86    | 32.17    | 9.13   | 33.03  | 318    | 256     | A       | V       |
|                             |      | 5415.84   | 51.31      | -22.69 | 74         | 42.77    | 32.32    | 9.24   | 33.02  | 318    | 256     | P       | V       |
|                             |      | 5371.92   | 43         | -11    | 54         | 34.56    | 32.27    | 9.2    | 33.03  | 318    | 256     | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5141.78   | 51.49      | -22.51 | 74         | 43.44    | 32.05    | 9.03   | 33.03  | 327    | 360     | P       | H       |
|                             |      | 5142.8    | 42.98      | -11.02 | 54         | 34.91    | 32.05    | 9.05   | 33.03  | 327    | 360     | A       | H       |
|                             | *    | 5300      | 108.14     | -      | -          | 99.82    | 32.2     | 9.15   | 33.03  | 327    | 360     | P       | H       |
|                             | *    | 5300      | 99.72      | -      | -          | 91.4     | 32.2     | 9.15   | 33.03  | 327    | 360     | A       | H       |
|                             |      | 5405.28   | 51.9       | -22.1  | 74         | 43.4     | 32.3     | 9.22   | 33.02  | 327    | 360     | P       | H       |
|                             |      | 5423.52   | 44.88      | -9.12  | 54         | 36.34    | 32.32    | 9.24   | 33.02  | 327    | 360     | A       | H       |
|                             |      | 5143.14   | 51.79      | -22.21 | 74         | 43.72    | 32.05    | 9.05   | 33.03  | 300    | 286     | P       | V       |
|                             |      | 5142.12   | 42.94      | -11.06 | 54         | 34.89    | 32.05    | 9.03   | 33.03  | 300    | 286     | A       | V       |
|                             | *    | 5300      | 105.1      | -      | -          | 96.78    | 32.2     | 9.15   | 33.03  | 300    | 286     | P       | V       |
|                             | *    | 5300      | 96.63      | -      | -          | 88.31    | 32.2     | 9.15   | 33.03  | 300    | 286     | A       | V       |
|                             |      | 5350.08   | 50.72      | -23.28 | 74         | 42.31    | 32.25    | 9.19   | 33.03  | 300    | 286     | P       | V       |
|                             |      | 5352.48   | 43.22      | -10.78 | 54         | 34.81    | 32.25    | 9.19   | 33.03  | 300    | 286     | A       | V       |



|                             |                                                                                                                                               |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| 802.11a<br>CH 64<br>5320MHz | *                                                                                                                                             | 5320    | 107.65 | -      | -  | 99.3  | 32.22 | 9.16 | 33.03 | 323 | 2   | P | H |
|                             | *                                                                                                                                             | 5320    | 99.09  | -      | -  | 90.74 | 32.22 | 9.16 | 33.03 | 323 | 2   | A | H |
|                             |                                                                                                                                               | 5355.04 | 53.56  | -20.44 | 74 | 45.15 | 32.25 | 9.19 | 33.03 | 323 | 2   | P | H |
|                             |                                                                                                                                               | 5350.56 | 46.63  | -7.37  | 54 | 38.22 | 32.25 | 9.19 | 33.03 | 323 | 2   | A | H |
|                             | *                                                                                                                                             | 5320    | 104.56 | -      | -  | 96.21 | 32.22 | 9.16 | 33.03 | 300 | 261 | P | V |
|                             | *                                                                                                                                             | 5320    | 96.06  | -      | -  | 87.71 | 32.22 | 9.16 | 33.03 | 300 | 261 | A | V |
|                             |                                                                                                                                               | 5351.2  | 51.26  | -22.74 | 74 | 42.85 | 32.25 | 9.19 | 33.03 | 300 | 261 | P | V |
|                             |                                                                                                                                               | 5351.04 | 43.95  | -10.05 | 54 | 35.54 | 32.25 | 9.19 | 33.03 | 300 | 261 | A | V |
| Remark                      | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |         |        |        |    |       |       |      |       |     |     |   |   |



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 2                 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520             | 44.66            | -29.34            | 74                    | 55.87             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15780             | 48.15            | -25.85            | 74                    | 56.74             | 36.71                   | 18.9              | 64.51                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10520             | 43.81            | -30.19            | 74                    | 55.33             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15780             | 56.86            | -17.14            | 74                    | 65.45             | 36.71                   | 18.9              | 64.51                | 113            | 321               | P               | V          |
|                             |                                                                                             | 15780             | 43.22            | -10.78            | 54                    | 51.81             | 36.71                   | 18.9              | 64.51                | 113            | 321               | A               | V          |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600             | 44.26            | -29.74            | 74                    | 55.3              | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15900             | 46.25            | -27.75            | 74                    | 55.45             | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10600             | 44.22            | -29.78            | 74                    | 55.57             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15900             | 50.14            | -23.86            | 74                    | 59.34             | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640             | 43.41            | -30.59            | 74                    | 54.36             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15960             | 47.14            | -26.86            | 74                    | 56.72             | 36.02                   | 19.06             | 64.92                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10640             | 43.55            | -30.45            | 74                    | 54.8              | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15960             | 53.37            | -20.63            | 74                    | 62.95             | 36.02                   | 19.06             | 64.92                | 100            | 330               | P               | V          |
|                             |                                                                                             | 15960             | 42.59            | -11.41            | 54                    | 52.17             | 36.02                   | 19.06             | 64.92                | 100            | 330               | 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 HT20 (Band Edge @ 3m)

| WIFI Ant. 2                | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 52 5260MHz |         | 5138.38           | 51.59            | -22.41            | 74                    | 43.56               | 32.03                   | 9.03              | 33.03                | 321            | 0                 | P                 | H            |
|                            |         | 5144.16           | 43.67            | -10.33            | 54                    | 35.6                | 32.05                   | 9.05              | 33.03                | 321            | 0                 | A                 | H            |
|                            | *       | 5260              | 107.68           | -                 | -                     | 99.41               | 32.17                   | 9.13              | 33.03                | 321            | 0                 | P                 | H            |
|                            | *       | 5260              | 98.94            | -                 | -                     | 90.67               | 32.17                   | 9.13              | 33.03                | 321            | 0                 | A                 | H            |
|                            |         | 5412              | 53.2             | -20.8             | 74                    | 44.68               | 32.32                   | 9.22              | 33.02                | 321            | 0                 | P                 | H            |
|                            |         | 5373.12           | 45.12            | -8.88             | 54                    | 36.68               | 32.27                   | 9.2               | 33.03                | 321            | 0                 | A                 | H            |
|                            |         | 5140.08           | 51.23            | -22.77            | 74                    | 43.18               | 32.05                   | 9.03              | 33.03                | 316            | 255               | P                 | V            |
|                            |         | 5148.24           | 43.31            | -10.69            | 54                    | 35.24               | 32.05                   | 9.05              | 33.03                | 316            | 255               | A                 | V            |
|                            | *       | 5260              | 105.07           | -                 | -                     | 96.8                | 32.17                   | 9.13              | 33.03                | 316            | 255               | P                 | V            |
|                            | *       | 5260              | 96.54            | -                 | -                     | 88.27               | 32.17                   | 9.13              | 33.03                | 316            | 255               | A                 | V            |
|                            |         | 5395.44           | 50.95            | -23.05            | 74                    | 42.45               | 32.3                    | 9.22              | 33.02                | 316            | 255               | P                 | V            |
|                            |         | 5380.8            | 42.94            | -11.06            | 54                    | 34.47               | 32.28                   | 9.21              | 33.02                | 316            | 255               | A                 | V            |
| 802.11n HT20 CH 60 5300MHz |         | 5143.82           | 51.45            | -22.55            | 74                    | 43.38               | 32.05                   | 9.05              | 33.03                | 326            | 360               | P                 | H            |
|                            |         | 5142.8            | 43.17            | -10.83            | 54                    | 35.1                | 32.05                   | 9.05              | 33.03                | 326            | 360               | A                 | H            |
|                            | *       | 5300              | 108.22           | -                 | -                     | 99.9                | 32.2                    | 9.15              | 33.03                | 326            | 360               | P                 | H            |
|                            | *       | 5300              | 99.76            | -                 | -                     | 91.44               | 32.2                    | 9.15              | 33.03                | 326            | 360               | A                 | H            |
|                            |         | 5408.16           | 52.75            | -21.25            | 74                    | 44.25               | 32.3                    | 9.22              | 33.02                | 326            | 360               | P                 | H            |
|                            |         | 5353.2            | 45.58            | -8.42             | 54                    | 37.17               | 32.25                   | 9.19              | 33.03                | 326            | 360               | A                 | H            |
|                            |         | 5141.1            | 50.65            | -23.35            | 74                    | 42.6                | 32.05                   | 9.03              | 33.03                | 300            | 286               | P                 | V            |
|                            |         | 5140.76           | 42.89            | -11.11            | 54                    | 34.84               | 32.05                   | 9.03              | 33.03                | 300            | 286               | A                 | V            |
|                            | *       | 5300              | 105.4            | -                 | -                     | 97.08               | 32.2                    | 9.15              | 33.03                | 300            | 286               | P                 | V            |
|                            | *       | 5300              | 96.79            | -                 | -                     | 88.47               | 32.2                    | 9.15              | 33.03                | 300            | 286               | A                 | V            |
|                            | 5409.6  | 51.28             | -22.72           | 74                | 42.78                 | 32.3                | 9.22                    | 33.02             | 300                  | 286            | P                 | V                 |              |
|                            | 5352.96 | 43.21             | -10.79           | 54                | 34.8                  | 32.25               | 9.19                    | 33.03             | 300                  | 286            | A                 | V                 |              |



|                                                                             |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 64</b><br><br><b>5320MHz</b> | *                                                                                           | 5320    | 108.45 | -      | -  | 100.1 | 32.22 | 9.16 | 33.03 | 330 | 2   | P | H |
|                                                                             | *                                                                                           | 5320    | 99.49  | -      | -  | 91.14 | 32.22 | 9.16 | 33.03 | 330 | 2   | A | H |
|                                                                             |                                                                                             | 5358.4  | 54.29  | -19.71 | 74 | 45.87 | 32.25 | 9.2  | 33.03 | 330 | 2   | P | H |
|                                                                             |                                                                                             | 5350.4  | 46.44  | -7.56  | 54 | 38.03 | 32.25 | 9.19 | 33.03 | 330 | 2   | A | H |
|                                                                             | *                                                                                           | 5320    | 105.31 | -      | -  | 96.96 | 32.22 | 9.16 | 33.03 | 300 | 261 | P | V |
|                                                                             | *                                                                                           | 5320    | 96.81  | -      | -  | 88.46 | 32.22 | 9.16 | 33.03 | 300 | 261 | A | V |
|                                                                             |                                                                                             | 5364.16 | 52.9   | -21.1  | 74 | 44.46 | 32.27 | 9.2  | 33.03 | 300 | 261 | P | V |
|                                                                             |                                                                                             | 5350.88 | 44.66  | -9.34  | 54 | 36.25 | 32.25 | 9.19 | 33.03 | 300 | 261 | A | V |
| <b>Remark</b>                                                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 52 5260MHz |                                                                                             | 10520             | 43.9             | -30.1             | 74                    | 55.11             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15780             | 54.37            | -19.63            | 74                    | 62.96             | 36.71                   | 18.9              | 64.51                | 200            | 41                | P               | H          |
|                            |                                                                                             | 15780             | 42               | -12               | 54                    | 50.59             | 36.71                   | 18.9              | 64.51                | 200            | 41                | A               | H          |
|                            |                                                                                             | 10520             | 43.48            | -30.52            | 74                    | 55                | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15780             | 52.16            | -21.84            | 74                    | 60.75             | 36.71                   | 18.9              | 64.51                | 200            | 39                | P               | V          |
|                            |                                                                                             | 15780             | 38.56            | -15.44            | 54                    | 47.15             | 36.71                   | 18.9              | 64.51                | 200            | 39                | A               | V          |
| 802.11n HT20 CH 60 5300MHz |                                                                                             | 10600             | 43.44            | -30.56            | 74                    | 54.48             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15900             | 48.3             | -25.7             | 74                    | 57.5              | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10600             | 43.46            | -30.54            | 74                    | 54.81             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15900             | 56.92            | -17.08            | 74                    | 66.12             | 36.27                   | 19.02             | 64.77                | 109            | 337               | P               | V          |
|                            |                                                                                             | 15900             | 42.19            | -11.81            | 54                    | 51.39             | 36.27                   | 19.02             | 64.77                | 109            | 337               | A               | V          |
| 802.11n HT20 CH 64 5320MHz |                                                                                             | 10640             | 42.03            | -31.97            | 74                    | 52.98             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15960             | 49.13            | -24.87            | 74                    | 58.71             | 36.02                   | 19.06             | 64.92                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10640             | 42.6             | -31.4             | 74                    | 53.85             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15960             | 54.27            | -19.73            | 74                    | 63.85             | 36.02                   | 19.06             | 64.92                | 100            | 329               | P               | V          |
|                            |                                                                                             | 15960             | 42.57            | -11.43            | 54                    | 52.15             | 36.02                   | 19.06             | 64.92                | 100            | 329               | 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 (Band Edge @ 3m)

| WIFI Ant. 2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |   |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11n HT40 CH 54 5270MHz |                                                                                             | 5114.24           | 52.81            | -21.19            | 74                    | 44.81               | 32.02                   | 9.02              | 33.04                | 346            | 208               | P                 | H            |   |
|                            |                                                                                             | 5144.5            | 45.08            | -8.92             | 54                    | 37.01               | 32.05                   | 9.05              | 33.03                | 346            | 208               | A                 | H            |   |
|                            | *                                                                                           | 5270              | 105.82           | -                 | -                     | 97.54               | 32.17                   | 9.14              | 33.03                | 346            | 208               | P                 | H            |   |
|                            | *                                                                                           | 5270              | 98.24            | -                 | -                     | 89.96               | 32.17                   | 9.14              | 33.03                | 346            | 208               | A                 | H            |   |
|                            |                                                                                             | 5370.48           | 53.83            | -20.17            | 74                    | 45.39               | 32.27                   | 9.2               | 33.03                | 346            | 208               | P                 | H            |   |
|                            |                                                                                             | 5350.8            | 46.15            | -7.85             | 54                    | 37.74               | 32.25                   | 9.19              | 33.03                | 346            | 208               | A                 | H            |   |
|                            |                                                                                             | 5145.18           | 52.32            | -21.68            | 74                    | 44.25               | 32.05                   | 9.05              | 33.03                | 330            | 271               | P                 | V            |   |
|                            |                                                                                             | 5143.82           | 43.9             | -10.1             | 54                    | 35.83               | 32.05                   | 9.05              | 33.03                | 330            | 271               | A                 | V            |   |
|                            | *                                                                                           | 5270              | 102.63           | -                 | -                     | 94.35               | 32.17                   | 9.14              | 33.03                | 330            | 271               | P                 | V            |   |
|                            | *                                                                                           | 5270              | 94.74            | -                 | -                     | 86.46               | 32.17                   | 9.14              | 33.03                | 330            | 271               | A                 | V            |   |
|                            |                                                                                             | 5372.16           | 50.75            | -23.25            | 74                    | 42.31               | 32.27                   | 9.2               | 33.03                | 330            | 271               | P                 | V            |   |
|                            |                                                                                             | 5377.44           | 43.68            | -10.32            | 54                    | 35.22               | 32.27                   | 9.21              | 33.02                | 330            | 271               | A                 | V            |   |
|                            | 802.11n HT40 CH 62 5310MHz                                                                  |                   | 5134.64          | 49.97             | -24.03                | 74                  | 41.94                   | 32.03             | 9.03                 | 33.03          | 329               | 11                | P            | H |
|                            |                                                                                             |                   | 5141.44          | 43.13             | -10.87                | 54                  | 35.08                   | 32.05             | 9.03                 | 33.03          | 329               | 11                | A            | H |
| *                          |                                                                                             | 5310              | 102.46           | -                 | -                     | 94.11               | 32.22                   | 9.16              | 33.03                | 329            | 11                | P                 | H            |   |
| *                          |                                                                                             | 5310              | 93.32            | -                 | -                     | 84.97               | 32.22                   | 9.16              | 33.03                | 329            | 11                | A                 | H            |   |
|                            |                                                                                             | 5352              | 53.28            | -20.72            | 74                    | 44.87               | 32.25                   | 9.19              | 33.03                | 329            | 11                | P                 | H            |   |
|                            |                                                                                             | 5356.32           | 46.74            | -7.26             | 54                    | 38.33               | 32.25                   | 9.19              | 33.03                | 329            | 11                | A                 | H            |   |
|                            |                                                                                             | 5108.46           | 50.41            | -23.59            | 74                    | 42.41               | 32.02                   | 9.02              | 33.04                | 315            | 273               | P                 | V            |   |
|                            |                                                                                             | 5144.84           | 42.08            | -11.92            | 54                    | 34.01               | 32.05                   | 9.05              | 33.03                | 315            | 273               | A                 | V            |   |
| *                          |                                                                                             | 5310              | 100.47           | -                 | -                     | 92.12               | 32.22                   | 9.16              | 33.03                | 315            | 273               | P                 | V            |   |
| *                          |                                                                                             | 5310              | 91.35            | -                 | -                     | 83                  | 32.22                   | 9.16              | 33.03                | 315            | 273               | A                 | V            |   |
|                            | 5353.2                                                                                      | 53.79             | -20.21           | 74                | 45.38                 | 32.25               | 9.19                    | 33.03             | 315                  | 273            | P                 | V                 |              |   |
|                            | 5354.88                                                                                     | 44.25             | -9.75            | 54                | 35.84                 | 32.25               | 9.19                    | 33.03             | 315                  | 273            | 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 Ant. 2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT40 CH 54 5270MHz |                                                                                             | 10540             | 44.66            | -29.34            | 74                    | 55.82             | 38.64                   | 15.08             | 65.19                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15810             | 49.92            | -24.08            | 74                    | 58.66             | 36.58                   | 18.95             | 64.58                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10540             | 45.63            | -28.37            | 74                    | 57.1              | 38.64                   | 15.08             | 65.19                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15810             | 54.17            | -19.83            | 74                    | 62.91             | 36.58                   | 18.95             | 64.58                | 100            | 4                 | P               | V          |
|                            |                                                                                             | 15810             | 44.73            | -9.27             | 54                    | 53.47             | 36.58                   | 18.95             | 64.58                | 100            | 4                 | A               | V          |
| 802.11n HT40 CH 62 5310MHz |                                                                                             | 10620             | 43.12            | -30.88            | 74                    | 54.13             | 38.74                   | 15.13             | 65.18                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 15930             | 42.07            | -31.93            | 74                    | 51.46             | 36.15                   | 19.04             | 64.85                | 100            | 0                 | P               | H          |
|                            |                                                                                             | 10620             | 42.7             | -31.3             | 74                    | 54.01             | 38.74                   | 15.13             | 65.18                | 100            | 0                 | P               | V          |
|                            |                                                                                             | 15930             | 43.83            | -30.17            | 74                    | 53.22             | 36.15                   | 19.04             | 64.85                | 100            | 0                 | P               | V          |
| Remark                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 2                  | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 58 5290MHz |                                                                                             | 5141.1            | 51               | -23               | 74                    | 42.95             | 32.05                   | 9.03              | 33.03                | 322            | 10                | P               | H          |
|                              |                                                                                             | 5000              | 42.76            | -11.24            | 54                    | 34.97             | 31.9                    | 8.93              | 33.04                | 322            | 10                | A               | H          |
|                              | *                                                                                           | 5290              | 98.7             | -                 | -                     | 90.4              | 32.18                   | 9.15              | 33.03                | 322            | 10                | P               | H          |
|                              | *                                                                                           | 5290              | 89.68            | -                 | -                     | 81.38             | 32.18                   | 9.15              | 33.03                | 322            | 10                | A               | H          |
|                              |                                                                                             | 5352.24           | 57.93            | -16.07            | 74                    | 49.52             | 32.25                   | 9.19              | 33.03                | 322            | 10                | P               | H          |
|                              |                                                                                             | 5350.32           | 50.8             | -3.2              | 54                    | 42.39             | 32.25                   | 9.19              | 33.03                | 322            | 10                | A               | H          |
|                              |                                                                                             | 5121.04           | 49.75            | -24.25            | 74                    | 41.74             | 32.02                   | 9.02              | 33.03                | 337            | 272               | P               | V          |
|                              |                                                                                             | 5148.92           | 42.46            | -11.54            | 54                    | 34.39             | 32.05                   | 9.05              | 33.03                | 337            | 272               | A               | V          |
|                              | *                                                                                           | 5290              | 96.83            | -                 | -                     | 88.53             | 32.18                   | 9.15              | 33.03                | 337            | 272               | P               | V          |
|                              | *                                                                                           | 5290              | 87.74            | -                 | -                     | 79.44             | 32.18                   | 9.15              | 33.03                | 337            | 272               | A               | V          |
|                              |                                                                                             | 5353.2            | 54.53            | -19.47            | 74                    | 46.12             | 32.25                   | 9.19              | 33.03                | 337            | 272               | P               | V          |
|                              | 5352.48                                                                                     | 48.38             | -5.62            | 54                | 39.97                 | 32.25             | 9.19                    | 33.03             | 337                  | 272            | 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 Ant. 2 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac    |                                                                                             | 10580             | 45.45            | -28.55            | 74                    | 56.53             | 38.7                    | 15.09             | 65.18                | 100            | 0                 | P               | H          |
| VHT80       |                                                                                             | 15870             | 42.15            | -31.85            | 74                    | 51.27             | 36.33                   | 18.99             | 64.73                | 100            | 0                 | P               | H          |
| CH 58       |                                                                                             | 10580             | 44.86            | -29.14            | 74                    | 56.25             | 38.7                    | 15.09             | 65.18                | 100            | 0                 | P               | V          |
| 5290MHz     |                                                                                             | 15870             | 42.27            | -31.73            | 74                    | 51.39             | 36.33                   | 18.99             | 64.73                | 100            | 0                 | P               | V          |
| Remark      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                            |      | ( MHz )   | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | ( dBµV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 100<br>5500MHz |      | 5463.12   | 54         | -20    | 74         | 45.36    | 32.37    | 9.29   | 33.02  | 320    | 4       | P       | H       |
|                              |      | 5469.84   | 45.78      | -8.22  | 54         | 37.12    | 32.37    | 9.31   | 33.02  | 320    | 4       | A       | H       |
|                              | *    | 5500      | 108.49     | -      | -          | 99.77    | 32.4     | 9.34   | 33.02  | 320    | 4       | P       | H       |
|                              | *    | 5500      | 99.7       | -      | -          | 90.98    | 32.4     | 9.34   | 33.02  | 320    | 4       | A       | H       |
|                              |      | 5462.96   | 52.57      | -21.43 | 74         | 43.93    | 32.37    | 9.29   | 33.02  | 300    | 268     | P       | V       |
|                              |      | 5470      | 43.76      | -10.24 | 54         | 35.1     | 32.37    | 9.31   | 33.02  | 300    | 268     | A       | V       |
|                              | *    | 5500      | 104.38     | -      | -          | 95.66    | 32.4     | 9.34   | 33.02  | 300    | 268     | P       | V       |
|                              | *    | 5500      | 95.96      | -      | -          | 87.24    | 32.4     | 9.34   | 33.02  | 300    | 268     | A       | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5443.6    | 50.85      | -23.15 | 74         | 42.27    | 32.33    | 9.27   | 33.02  | 324    | 16      | P       | H       |
|                              |      | 5456.08   | 43.86      | -10.14 | 54         | 35.24    | 32.35    | 9.29   | 33.02  | 324    | 16      | A       | H       |
|                              | *    | 5580      | 108.76     | -      | -          | 99.8     | 32.57    | 9.46   | 33.07  | 324    | 16      | P       | H       |
|                              | *    | 5580      | 99.47      | -      | -          | 90.51    | 32.57    | 9.46   | 33.07  | 324    | 16      | A       | H       |
|                              |      | 5735.075  | 54.36      | -19.64 | 74         | 44.71    | 32.98    | 9.82   | 33.15  | 324    | 16      | P       | H       |
|                              |      | 5738.05   | 44.57      | -9.43  | 54         | 34.87    | 32.98    | 9.87   | 33.15  | 324    | 16      | A       | H       |
|                              |      | 5455.12   | 50.29      | -23.71 | 74         | 41.67    | 32.35    | 9.29   | 33.02  | 336    | 282     | P       | V       |
|                              |      | 5460.88   | 41.81      | -12.19 | 54         | 33.19    | 32.35    | 9.29   | 33.02  | 336    | 282     | A       | V       |
|                              | *    | 5580      | 104.02     | -      | -          | 95.06    | 32.57    | 9.46   | 33.07  | 336    | 282     | P       | V       |
|                              | *    | 5580      | 95.27      | -      | -          | 86.31    | 32.57    | 9.46   | 33.07  | 336    | 282     | A       | V       |
|                              |      | 5732.1    | 51.08      | -22.92 | 74         | 41.47    | 32.94    | 9.82   | 33.15  | 336    | 282     | P       | V       |
|                              |      | 5737.35   | 42.59      | -11.41 | 54         | 32.89    | 32.98    | 9.87   | 33.15  | 336    | 282     | A       | V       |



|                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 109.68 | -      | -  | 100.17 | 32.86 | 9.77 | 33.12 | 311 | 17  | P | H |
|                                                   | *                                                                                           | 5700    | 100.5  | -      | -  | 90.99  | 32.86 | 9.77 | 33.12 | 311 | 17  | A | H |
|                                                   |                                                                                             | 5730    | 59.71  | -14.29 | 74 | 50.08  | 32.94 | 9.82 | 33.13 | 311 | 17  | P | H |
|                                                   |                                                                                             | 5725    | 48.87  | -5.13  | 54 | 39.24  | 32.94 | 9.82 | 33.13 | 311 | 17  | A | H |
|                                                   | *                                                                                           | 5700    | 104.74 | -      | -  | 95.23  | 32.86 | 9.77 | 33.12 | 334 | 283 | P | V |
|                                                   | *                                                                                           | 5700    | 95.56  | -      | -  | 86.05  | 32.86 | 9.77 | 33.12 | 334 | 283 | A | V |
|                                                   |                                                                                             | 5727.48 | 53.54  | -20.46 | 74 | 43.91  | 32.94 | 9.82 | 33.13 | 334 | 283 | P | V |
|                                                   |                                                                                             | 5725.16 | 45.33  | -8.67  | 54 | 35.7   | 32.94 | 9.82 | 33.13 | 334 | 283 | A | V |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 2                  | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000             | 45.86            | -28.14            | 74                    | 56.09             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 16500             | 52.59            | -21.41            | 74                    | 60.84             | 37.1                    | 19.45             | 65.1                 | 200            | 38                | P               | H          |
|                              |                                                                                             | 16500             | 41.77            | -12.23            | 54                    | 50.02             | 37.1                    | 19.45             | 65.1                 | 200            | 38                | A               | H          |
|                              |                                                                                             | 11000             | 45.78            | -28.22            | 74                    | 56.31             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 16500             | 54.18            | -19.82            | 74                    | 62.43             | 37.1                    | 19.45             | 65.1                 | 138            | 352               | P               | V          |
|                              |                                                                                             | 16500             | 43.68            | -10.32            | 54                    | 51.93             | 37.1                    | 19.45             | 65.1                 | 138            | 352               | A               | V          |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160             | 45.1             | -28.9             | 74                    | 55.51             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 16740             | 53.2             | -20.8             | 74                    | 59.21             | 38.93                   | 19.6              | 64.86                | 100            | 54                | P               | H          |
|                              |                                                                                             | 16740             | 42.9             | -11.1             | 54                    | 48.91             | 38.93                   | 19.6              | 64.86                | 100            | 54                | A               | H          |
|                              |                                                                                             | 11160             | 45.21            | -28.79            | 74                    | 55.91             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 16740             | 57.23            | -16.77            | 74                    | 63.24             | 38.93                   | 19.6              | 64.86                | 153            | 347               | P               | V          |
|                              |                                                                                             | 16740             | 47.11            | -6.89             | 54                    | 53.12             | 38.93                   | 19.6              | 64.86                | 153            | 347               | A               | V          |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400             | 45.51            | -28.49            | 74                    | 56.19             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | H          |
|                              |                                                                                             | 17100             | 53.99            | -20.01            | 74                    | 57.44             | 40.84                   | 19.82             | 64.46                | 100            | 72                | P               | H          |
|                              |                                                                                             | 17100             | 43.35            | -10.65            | 54                    | 46.8              | 40.84                   | 19.82             | 64.46                | 100            | 72                | A               | H          |
|                              |                                                                                             | 11400             | 44.73            | -29.27            | 74                    | 55.69             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | V          |
|                              |                                                                                             | 17100             | 57.56            | -16.44            | 74                    | 61.01             | 40.84                   | 19.82             | 64.46                | 122            | 360               | P               | V          |
|                              |                                                                                             | 17100             | 47.22            | -6.78             | 54                    | 50.67             | 40.84                   | 19.82             | 64.46                | 122            | 360               | A               | V          |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 2                 | Note     | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|----------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 100 5500MHz |          | 5469.52           | 53.66            | -20.34            | 74                    | 45                  | 32.37                   | 9.31              | 33.02                | 317            | 5                 | P                 | H            |
|                             |          | 5469.68           | 45.24            | -8.76             | 54                    | 36.58               | 32.37                   | 9.31              | 33.02                | 317            | 5                 | A                 | H            |
|                             | *        | 5500              | 107.59           | -                 | -                     | 98.87               | 32.4                    | 9.34              | 33.02                | 317            | 5                 | P                 | H            |
|                             | *        | 5500              | 99.03            | -                 | -                     | 90.31               | 32.4                    | 9.34              | 33.02                | 317            | 5                 | A                 | H            |
|                             |          | 5462.64           | 50.77            | -23.23            | 74                    | 42.13               | 32.37                   | 9.29              | 33.02                | 300            | 268               | P                 | V            |
|                             |          | 5470              | 43.43            | -10.57            | 54                    | 34.77               | 32.37                   | 9.31              | 33.02                | 300            | 268               | A                 | V            |
|                             | *        | 5500              | 103.82           | -                 | -                     | 95.1                | 32.4                    | 9.34              | 33.02                | 300            | 268               | P                 | V            |
|                             | *        | 5500              | 95.32            | -                 | -                     | 86.6                | 32.4                    | 9.34              | 33.02                | 300            | 268               | A                 | V            |
| 802.11n HT20 CH 116 5580MHz |          | 5444.32           | 52.61            | -21.39            | 74                    | 44.03               | 32.33                   | 9.27              | 33.02                | 327            | 19                | P                 | H            |
|                             |          | 5422.96           | 43.65            | -10.35            | 54                    | 35.11               | 32.32                   | 9.24              | 33.02                | 327            | 19                | A                 | H            |
|                             | *        | 5580              | 108.02           | -                 | -                     | 99.06               | 32.57                   | 9.46              | 33.07                | 327            | 19                | P                 | H            |
|                             | *        | 5580              | 99.1             | -                 | -                     | 90.14               | 32.57                   | 9.46              | 33.07                | 327            | 19                | A                 | H            |
|                             |          | 5728.075          | 52.97            | -21.03            | 74                    | 43.34               | 32.94                   | 9.82              | 33.13                | 327            | 19                | P                 | H            |
|                             |          | 5737.525          | 44.02            | -9.98             | 54                    | 34.32               | 32.98                   | 9.87              | 33.15                | 327            | 19                | A                 | H            |
|                             |          | 5467.84           | 50.39            | -23.61            | 74                    | 41.73               | 32.37                   | 9.31              | 33.02                | 336            | 284               | P                 | V            |
|                             |          | 5458.96           | 41.94            | -12.06            | 54                    | 33.32               | 32.35                   | 9.29              | 33.02                | 336            | 284               | A                 | V            |
|                             | *        | 5580              | 103.49           | -                 | -                     | 94.53               | 32.57                   | 9.46              | 33.07                | 336            | 284               | P                 | V            |
|                             | *        | 5580              | 94.44            | -                 | -                     | 85.48               | 32.57                   | 9.46              | 33.07                | 336            | 284               | A                 | V            |
|                             |          | 5734.55           | 53.33            | -20.67            | 74                    | 43.68               | 32.98                   | 9.82              | 33.15                | 336            | 284               | P                 | V            |
|                             | 5731.225 | 42.64             | -11.36           | 54                | 33.03                 | 32.94               | 9.82                    | 33.15             | 336                  | 284            | A                 | V                 |              |



|                                                                              |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 140</b><br><br><b>5700MHz</b> | *                                                                                           | 5700    | 109.19 | -      | -  | 99.68 | 32.86 | 9.77 | 33.12 | 313 | 16  | P | H |
|                                                                              | *                                                                                           | 5700    | 99.93  | -      | -  | 90.42 | 32.86 | 9.77 | 33.12 | 313 | 16  | A | H |
|                                                                              |                                                                                             | 5730.76 | 58.11  | -15.89 | 74 | 48.5  | 32.94 | 9.82 | 33.15 | 313 | 16  | P | H |
|                                                                              |                                                                                             | 5725    | 49.79  | -4.21  | 54 | 40.16 | 32.94 | 9.82 | 33.13 | 313 | 16  | A | H |
|                                                                              | *                                                                                           | 5700    | 103.52 | -      | -  | 94.01 | 32.86 | 9.77 | 33.12 | 291 | 284 | P | V |
|                                                                              | *                                                                                           | 5700    | 94.76  | -      | -  | 85.25 | 32.86 | 9.77 | 33.12 | 291 | 284 | A | V |
|                                                                              |                                                                                             | 5728.84 | 55.16  | -18.84 | 74 | 45.53 | 32.94 | 9.82 | 33.13 | 291 | 284 | P | V |
|                                                                              |                                                                                             | 5725.16 | 45.45  | -8.55  | 54 | 35.82 | 32.94 | 9.82 | 33.13 | 291 | 284 | A | V |
| <b>Remark</b>                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |      |       |     |     |   |   |





Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 2                 | Note                                                                                                                                          | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 100 5500MHz |                                                                                                                                               | 11000             | 45.84            | -28.16            | 74                    | 56.07             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | H          |
|                             |                                                                                                                                               | 16500             | 48.32            | -25.68            | 74                    | 56.57             | 37.1                    | 19.45             | 65.1                 | 100            | 0                 | P               | H          |
|                             |                                                                                                                                               | 11000             | 45.59            | -28.41            | 74                    | 56.12             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | V          |
|                             |                                                                                                                                               | 16500             | 54.22            | -19.78            | 74                    | 62.47             | 37.1                    | 19.45             | 65.1                 | 108            | 334               | P               | V          |
|                             |                                                                                                                                               | 16500             | 43.82            | -10.18            | 54                    | 52.07             | 37.1                    | 19.45             | 65.1                 | 108            | 334               | A               | V          |
| 802.11n HT20 CH 116 5580MHz |                                                                                                                                               | 11160             | 45.65            | -28.35            | 74                    | 56.06             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                                                                               | 16740             | 50.48            | -23.52            | 74                    | 56.49             | 38.93                   | 19.6              | 64.86                | 100            | 0                 | P               | H          |
|                             |                                                                                                                                               | 11160             | 45.26            | -28.74            | 74                    | 55.96             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                                                                               | 16740             | 57.51            | -16.49            | 74                    | 63.52             | 38.93                   | 19.6              | 64.86                | 107            | 353               | P               | V          |
|                             |                                                                                                                                               | 16740             | 45.12            | -8.88             | 54                    | 51.13             | 38.93                   | 19.6              | 64.86                | 107            | 353               | A               | V          |
| 802.11n HT20 CH 140 5700MHz |                                                                                                                                               | 11400             | 45.12            | -28.88            | 74                    | 55.8              | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | H          |
|                             |                                                                                                                                               | 17100             | 53.83            | -20.17            | 74                    | 57.28             | 40.84                   | 19.82             | 64.46                | 100            | 72                | P               | H          |
|                             |                                                                                                                                               | 17100             | 42.72            | -11.28            | 54                    | 46.17             | 40.84                   | 19.82             | 64.46                | 100            | 72                | A               | H          |
|                             |                                                                                                                                               | 11400             | 45.69            | -28.31            | 74                    | 56.65             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | V          |
|                             |                                                                                                                                               | 17100             | 58.27            | -15.73            | 74                    | 61.72             | 40.84                   | 19.82             | 64.46                | 100            | 352               | P               | V          |
|                             |                                                                                                                                               | 17100             | 45.55            | -8.45             | 54                    | 49                | 40.84                   | 19.82             | 64.46                | 100            | 352               | A               | V          |
| Remark                      | <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 2                 | Note     | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|----------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 102 5510MHz |          | 5455.36           | 56.31            | -17.69            | 74                    | 47.69               | 32.35                   | 9.29              | 33.02                | 311            | 15                | P                 | H            |
|                             |          | 5468.8            | 60.17            | -8.03             | 68.2                  | 51.51               | 32.37                   | 9.31              | 33.02                | 311            | 15                | P                 | H            |
|                             |          | 5457.28           | 50.63            | -3.37             | 54                    | 42.01               | 32.35                   | 9.29              | 33.02                | 311            | 15                | A                 | H            |
|                             | *        | 5510              | 105.44           | -                 | -                     | 96.71               | 32.4                    | 9.36              | 33.03                | 311            | 15                | P                 | H            |
|                             | *        | 5510              | 96.23            | -                 | -                     | 87.5                | 32.4                    | 9.36              | 33.03                | 311            | 15                | A                 | H            |
|                             |          | 5739.8            | 51.03            | -17.17            | 68.2                  | 41.33               | 32.98                   | 9.87              | 33.15                | 311            | 15                | P                 | H            |
|                             |          | 5451.76           | 54.38            | -19.62            | 74                    | 45.76               | 32.35                   | 9.29              | 33.02                | 327            | 278               | P                 | V            |
|                             |          | 5470              | 56.36            | -11.84            | 68.2                  | 47.7                | 32.37                   | 9.31              | 33.02                | 327            | 278               | P                 | V            |
|                             |          | 5458.96           | 47.54            | -6.46             | 54                    | 38.92               | 32.35                   | 9.29              | 33.02                | 327            | 278               | A                 | V            |
|                             | *        | 5510              | 102.05           | -                 | -                     | 93.32               | 32.4                    | 9.36              | 33.03                | 327            | 278               | P                 | V            |
|                             | *        | 5510              | 92.97            | -                 | -                     | 84.24               | 32.4                    | 9.36              | 33.03                | 327            | 278               | A                 | V            |
|                             |          | 5747.99           | 50.03            | -18.17            | 68.2                  | 40.33               | 32.98                   | 9.87              | 33.15                | 327            | 278               | P                 | V            |
| 802.11n HT40 CH 110 5550MHz |          | 5464.48           | 52.6             | -21.4             | 74                    | 43.96               | 32.37                   | 9.29              | 33.02                | 311            | 13                | P                 | H            |
|                             |          | 5470              | 44.75            | -9.25             | 54                    | 36.09               | 32.37                   | 9.31              | 33.02                | 311            | 13                | A                 | H            |
|                             | *        | 5550              | 105.48           | -                 | -                     | 96.6                | 32.52                   | 9.41              | 33.05                | 311            | 13                | P                 | H            |
|                             | *        | 5550              | 96.78            | -                 | -                     | 87.9                | 32.52                   | 9.41              | 33.05                | 311            | 13                | A                 | H            |
|                             |          | 5728.775          | 51.84            | -22.16            | 74                    | 42.21               | 32.94                   | 9.82              | 33.13                | 311            | 13                | P                 | H            |
|                             |          | 5726.57           | 44.28            | -9.72             | 54                    | 34.65               | 32.94                   | 9.82              | 33.13                | 311            | 13                | A                 | H            |
|                             |          | 5384.56           | 50.45            | -23.55            | 74                    | 41.98               | 32.28                   | 9.21              | 33.02                | 321            | 277               | P                 | V            |
|                             |          | 5457.52           | 42.78            | -11.22            | 54                    | 34.16               | 32.35                   | 9.29              | 33.02                | 321            | 277               | A                 | V            |
|                             | *        | 5550              | 102.02           | -                 | -                     | 93.14               | 32.52                   | 9.41              | 33.05                | 321            | 277               | P                 | V            |
|                             | *        | 5550              | 92.56            | -                 | -                     | 83.68               | 32.52                   | 9.41              | 33.05                | 321            | 277               | A                 | V            |
|                             | 5757.125 | 50.72             | -23.28           | 74                | 40.94                 | 33.02               | 9.92                    | 33.16             | 321                  | 277            | P                 | V                 |              |
|                             | 5726.885 | 42.72             | -11.28           | 54                | 33.09                 | 32.94               | 9.82                    | 33.13             | 321                  | 277            | A                 | V                 |              |



|                                                                              |                                                                                             |          |        |        |    |       |       |      |       |     |     |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT40</b><br><br><b>CH 134</b><br><br><b>5670MHz</b> |                                                                                             | 5455.7   | 49.74  | -24.26 | 74 | 41.12 | 32.35 | 9.29 | 33.02 | 311 | 12  | P | H |
|                                                                              |                                                                                             | 5470     | 42.02  | -11.98 | 54 | 33.36 | 32.37 | 9.31 | 33.02 | 311 | 12  | A | H |
|                                                                              | *                                                                                           | 5670     | 105.84 | -      | -  | 96.47 | 32.81 | 9.67 | 33.11 | 311 | 12  | P | H |
|                                                                              | *                                                                                           | 5670     | 96.87  | -      | -  | 87.5  | 32.81 | 9.67 | 33.11 | 311 | 12  | A | H |
|                                                                              |                                                                                             | 5725.625 | 54.86  | -19.14 | 74 | 45.23 | 32.94 | 9.82 | 33.13 | 311 | 12  | P | H |
|                                                                              |                                                                                             | 5725.31  | 47.51  | -6.49  | 54 | 37.88 | 32.94 | 9.82 | 33.13 | 311 | 12  | A | H |
|                                                                              |                                                                                             | 5439.25  | 49.19  | -24.81 | 74 | 40.61 | 32.33 | 9.27 | 33.02 | 307 | 277 | P | V |
|                                                                              |                                                                                             | 5454.65  | 41.2   | -12.8  | 54 | 32.58 | 32.35 | 9.29 | 33.02 | 307 | 277 | A | V |
|                                                                              | *                                                                                           | 5670     | 101.77 | -      | -  | 92.4  | 32.81 | 9.67 | 33.11 | 307 | 277 | P | V |
|                                                                              | *                                                                                           | 5670     | 92.53  | -      | -  | 83.16 | 32.81 | 9.67 | 33.11 | 307 | 277 | A | V |
|                                                                              |                                                                                             | 5737.28  | 51.52  | -22.48 | 74 | 41.82 | 32.98 | 9.87 | 33.15 | 307 | 277 | P | V |
|                                                                              |                                                                                             | 5728.775 | 44.73  | -9.27  | 54 | 35.1  | 32.94 | 9.82 | 33.13 | 307 | 277 | A | V |
| <b>Remark</b>                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |    |       |       |      |       |     |     |   |   |



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant. 2         | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|---------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 102 |                                                                                             | 11020             | 44.92            | -29.08            | 74                    | 55.16               | 39.18                   | 15.4              | 65.11                | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 16530             | 52.18            | -16.02            | 68.2                  | 60.13               | 37.36                   | 19.46             | 65.07                | 351            | 55                | P                 | H            |
| 5510MHz             |                                                                                             | 11020             | 46.14            | -27.86            | 74                    | 56.38               | 39.18                   | 15.4              | 65.11                | 100            | 0                 | P                 | V            |
|                     |                                                                                             | 16530             | 54.53            | -13.67            | 68.2                  | 62.48               | 37.36                   | 19.46             | 65.07                | 155            | 345               | P                 | V            |
| 802.11n HT40 CH 110 |                                                                                             | 11100             | 45.2             | -28.8             | 74                    | 55.55               | 39.06                   | 15.46             | 65.16                | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 16650             | 47.44            | -26.56            | 74                    | 54.24               | 38.28                   | 19.55             | 64.94                | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 11100             | 45.23            | -28.77            | 74                    | 55.87               | 39.06                   | 15.46             | 65.16                | 100            | 0                 | P                 | V            |
|                     |                                                                                             | 16650             | 50.49            | -23.51            | 74                    | 57.29               | 38.28                   | 19.55             | 64.94                | 100            | 0                 | P                 | V            |
| 802.11n HT40 CH 134 |                                                                                             | 11340             | 44.89            | -29.11            | 74                    | 55.48               | 38.73                   | 15.69             | 65.3                 | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 17010             | 55.26            | -18.74            | 74                    | 58.82               | 40.89                   | 19.79             | 64.58                | 353            | 55                | P                 | H            |
|                     |                                                                                             | 17010             | 44.87            | -9.13             | 54                    | 48.43               | 40.89                   | 19.79             | 64.58                | 353            | 55                | A                 | H            |
|                     |                                                                                             | 11340             | 45.24            | -28.76            | 74                    | 56.12               | 38.73                   | 15.69             | 65.3                 | 100            | 0                 | P                 | V            |
|                     |                                                                                             | 17010             | 58.5             | -15.5             | 74                    | 62.06               | 40.89                   | 19.79             | 64.58                | 100            | 357               | P                 | V            |
|                     |                                                                                             | 17010             | 46.86            | -7.14             | 54                    | 50.42               | 40.89                   | 19.79             | 64.58                | 100            | 357               | A                 | V            |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                   |              |



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 2                   | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT80 CH 106 5530MHz |                                                                                             | 5457.28           | 60.25            | -13.75            | 74                    | 51.63               | 32.35                   | 9.29              | 33.02                | 311            | 13                | P                 | H            |
|                               |                                                                                             | 5463.52           | 58.64            | -9.56             | 68.2                  | 50                  | 32.37                   | 9.29              | 33.02                | 311            | 13                | P                 | H            |
|                               |                                                                                             | 5457.76           | 50.94            | -3.06             | 54                    | 42.32               | 32.35                   | 9.29              | 33.02                | 311            | 13                | A                 | H            |
|                               | *                                                                                           | 5530              | 99.46            | -                 | -                     | 90.68               | 32.44                   | 9.39              | 33.05                | 311            | 13                | P                 | H            |
|                               | *                                                                                           | 5530              | 90.47            | -                 | -                     | 81.69               | 32.44                   | 9.39              | 33.05                | 311            | 13                | A                 | H            |
|                               |                                                                                             | 5756.495          | 50.44            | -17.76            | 68.2                  | 40.66               | 33.02                   | 9.92              | 33.16                | 311            | 13                | P                 | H            |
|                               |                                                                                             | 5446.48           | 55.39            | -18.61            | 74                    | 46.79               | 32.35                   | 9.27              | 33.02                | 330            | 279               | P                 | V            |
|                               |                                                                                             | 5461.12           | 56.11            | -12.09            | 68.2                  | 47.49               | 32.35                   | 9.29              | 33.02                | 330            | 279               | P                 | V            |
|                               |                                                                                             | 5459.92           | 48.47            | -5.53             | 54                    | 39.85               | 32.35                   | 9.29              | 33.02                | 330            | 279               | A                 | V            |
|                               | *                                                                                           | 5530              | 95.68            | -                 | -                     | 86.9                | 32.44                   | 9.39              | 33.05                | 330            | 279               | P                 | V            |
|                               | *                                                                                           | 5530              | 86.97            | -                 | -                     | 78.19               | 32.44                   | 9.39              | 33.05                | 330            | 279               | A                 | V            |
|                               | 5730.035                                                                                    | 50.39             | -17.81           | 68.2              | 40.76                 | 32.94               | 9.82                    | 33.13             | 330                  | 279            | P                 | V                 |              |
| 802.11ac VHT80 CH 122 5610MHz |                                                                                             | 5467.95           | 54.77            | -19.23            | 74                    | 46.11               | 32.37                   | 9.31              | 33.02                | 400            | 12                | P                 | H            |
|                               |                                                                                             | 5469.35           | 44.91            | -9.09             | 54                    | 36.25               | 32.37                   | 9.31              | 33.02                | 400            | 12                | A                 | H            |
|                               | *                                                                                           | 5610              | 102.23           | -                 | -                     | 93.13               | 32.65                   | 9.53              | 33.08                | 400            | 12                | P                 | H            |
|                               | *                                                                                           | 5610              | 94.02            | -                 | -                     | 84.92               | 32.65                   | 9.53              | 33.08                | 400            | 12                | A                 | H            |
|                               |                                                                                             | 5760.59           | 55.15            | -18.85            | 74                    | 45.37               | 33.02                   | 9.92              | 33.16                | 400            | 12                | P                 | H            |
|                               |                                                                                             | 5728.46           | 48.16            | -5.84             | 54                    | 38.53               | 32.94                   | 9.82              | 33.13                | 400            | 12                | A                 | H            |
|                               |                                                                                             | 5416.85           | 50.65            | -23.35            | 74                    | 42.11               | 32.32                   | 9.24              | 33.02                | 361            | 276               | P                 | V            |
|                               |                                                                                             | 5466.55           | 43.29            | -10.71            | 54                    | 34.63               | 32.37                   | 9.31              | 33.02                | 361            | 276               | A                 | V            |
|                               | *                                                                                           | 5610              | 97.88            | -                 | -                     | 88.78               | 32.65                   | 9.53              | 33.08                | 361            | 276               | P                 | V            |
|                               | *                                                                                           | 5610              | 89.57            | -                 | -                     | 80.47               | 32.65                   | 9.53              | 33.08                | 361            | 276               | A                 | V            |
|                               | 5731.295                                                                                    | 51.62             | -22.38           | 74                | 42.01                 | 32.94               | 9.82                    | 33.15             | 361                  | 276            | P                 | V                 |              |
|                               | 5725                                                                                        | 44.03             | -9.97            | 54                | 34.4                  | 32.94               | 9.82                    | 33.13             | 361                  | 276            | A                 | V                 |              |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                   |              |



**Band 3 5470~5725MHz**

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

| WIFI Ant. 2                   | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80                |                                                                                             | 11060             | 45.13            | -28.87            | 74                    | 55.43             | 39.11                   | 15.44             | 65.14                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 16590             | 45.26            | -22.94            | 68.2                  | 52.69             | 37.76                   | 19.52             | 65.01                | 100            | 0                 | P               | H          |
| CH 106 5530MHz                |                                                                                             | 11060             | 44.27            | -29.73            | 74                    | 54.57             | 39.11                   | 15.44             | 65.14                | 100            | 0                 | P               | V          |
|                               |                                                                                             | 16590             | 47.24            | -20.96            | 68.2                  | 54.67             | 37.76                   | 19.52             | 65.01                | 100            | 0                 | P               | V          |
| 802.11ac VHT80 CH 122 5610MHz |                                                                                             | 11220             | 46.4             | -27.6             | 74                    | 56.86             | 38.9                    | 15.58             | 65.23                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 16830             | 50.92            | -23.08            | 74                    | 56.09             | 39.59                   | 19.68             | 64.77                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 11220             | 45.38            | -28.62            | 74                    | 56.13             | 38.9                    | 15.58             | 65.23                | 100            | 0                 | P               | V          |
|                               |                                                                                             | 16830             | 54.86            | -19.14            | 74                    | 60.03             | 39.59                   | 19.68             | 64.77                | 159            | 355               | P               | V          |
|                               |                                                                                             | 16830             | 45.82            | -8.18             | 54                    | 50.99             | 39.59                   | 19.68             | 64.77                | 159            | 355               | A               | V          |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                                                             |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 144<br>5720MHz | *                                                                                           | 5720      | 109.21     | -      | -          | 99.58    | 32.94    | 9.82   | 33.13  | 326    | 7       | P       | H       |
|                              | *                                                                                           | 5720      | 100.48     | -      | -          | 90.85    | 32.94    | 9.82   | 33.13  | 326    | 7       | A       | H       |
|                              | *                                                                                           | 5720      | 104.61     | -      | -          | 94.98    | 32.94    | 9.82   | 33.13  | 347    | 275     | P       | V       |
|                              | *                                                                                           | 5720      | 95.52      | -      | -          | 85.89    | 32.94    | 9.82   | 33.13  | 347    | 275     | A       | V       |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



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

Table with 14 columns: WIFI Ant. 2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test data for 802.11a CH 144 and a Remark section.





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

Table with 14 columns: WIFI Ant. 2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11n HT20, CH 144, and 5720MHz, plus a Remark section.



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

Table with 14 columns: WIFI Ant. 2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11n HT20 CH 144 at 5720MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11n HT40 CH 142 5710MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test data for 802.11n HT40 CH 142 5710MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac VHT80, CH 138, and 5690MHz.

Remark

- 1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



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

Table with 14 columns: WIFI Ant. 2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac VHT80 and 5690MHz channels, and a Remark section.



Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

| WIFI                    | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                    |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                       |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>LF |                                                                            | 71.31     | 23.53      | -16.47 | 40         | 42.57    | 12.37    | 1.06   | 32.49  | -      | -       | P       | H       |
|                         |                                                                            | 226.83    | 32.86      | -13.14 | 46         | 47.39    | 15.9     | 1.88   | 32.38  | -      | -       | P       | H       |
|                         |                                                                            | 251.13    | 29.66      | -16.34 | 46         | 41.34    | 18.68    | 1.95   | 32.38  | -      | -       | P       | H       |
|                         |                                                                            | 776       | 30.43      | -15.57 | 46         | 30.71    | 28.32    | 3.5    | 32.25  | -      | -       | P       | H       |
|                         |                                                                            | 885.9     | 32.15      | -13.85 | 46         | 30.73    | 29.2     | 3.79   | 31.73  | -      | -       | P       | H       |
|                         |                                                                            | 943.3     | 33.21      | -12.79 | 46         | 29.95    | 30.53    | 3.82   | 31.26  | 100    | 0       | P       | H       |
|                         |                                                                            | 37.02     | 28.18      | -11.82 | 40         | 39.17    | 20.82    | 0.68   | 32.49  | -      | -       | P       | V       |
|                         |                                                                            | 58.89     | 27.51      | -12.49 | 40         | 47.11    | 11.81    | 1.06   | 32.49  | -      | -       | P       | V       |
|                         |                                                                            | 75.9      | 25.61      | -14.39 | 40         | 44.24    | 12.61    | 1.22   | 32.48  | -      | -       | P       | V       |
|                         |                                                                            | 683.6     | 28.7       | -17.3  | 46         | 31.21    | 26.57    | 3.27   | 32.47  | -      | -       | P       | V       |
|                         |                                                                            | 852.3     | 31.6       | -14.4  | 46         | 30.45    | 29.24    | 3.67   | 31.91  | -      | -       | P       | V       |
|                         |                                                                            | 959.4     | 34.32      | -11.68 | 46         | 30.21    | 31.18    | 3.87   | 31.12  | 100    | 0       | P       | V       |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5146.38   | 53.06      | -20.94 | 74         | 44.99    | 32.05    | 9.05   | 33.03  | 345    | 9       | P       | H       |
|                             |      | 5147.68   | 44.79      | -9.21  | 54         | 36.72    | 32.05    | 9.05   | 33.03  | 345    | 9       | A       | H       |
|                             | *    | 5180      | 108.61     | -      | -          | 100.48   | 32.08    | 9.08   | 33.03  | 345    | 9       | P       | H       |
|                             | *    | 5180      | 100.23     | -      | -          | 92.1     | 32.08    | 9.08   | 33.03  | 345    | 9       | A       | H       |
|                             |      | 5000      | 55.2       | -18.8  | 74         | 47.41    | 31.9     | 8.93   | 33.04  | 300    | 263     | P       | V       |
|                             |      | 5000      | 43.87      | -10.13 | 54         | 36.08    | 31.9     | 8.93   | 33.04  | 300    | 263     | A       | V       |
|                             | *    | 5180      | 103.54     | -      | -          | 95.41    | 32.08    | 9.08   | 33.03  | 300    | 263     | P       | V       |
|                             | *    | 5180      | 95.33      | -      | -          | 87.2     | 32.08    | 9.08   | 33.03  | 300    | 263     | A       | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5112.84   | 52.27      | -21.73 | 74         | 44.27    | 32.02    | 9.02   | 33.04  | 361    | 8       | P       | H       |
|                             |      | 5147.68   | 42.65      | -11.35 | 54         | 34.58    | 32.05    | 9.05   | 33.03  | 361    | 8       | A       | H       |
|                             | *    | 5220      | 108.51     | -      | -          | 100.32   | 32.12    | 9.1    | 33.03  | 361    | 8       | P       | H       |
|                             | *    | 5220      | 100.29     | -      | -          | 92.1     | 32.12    | 9.1    | 33.03  | 361    | 8       | A       | H       |
|                             |      | 5365.92   | 51.24      | -22.76 | 74         | 42.8     | 32.27    | 9.2    | 33.03  | 361    | 8       | P       | H       |
|                             |      | 5352.48   | 42.81      | -11.19 | 54         | 34.4     | 32.25    | 9.19   | 33.03  | 361    | 8       | A       | H       |
|                             |      | 5041.34   | 50.16      | -23.84 | 74         | 42.29    | 31.95    | 8.96   | 33.04  | 299    | 260     | P       | V       |
|                             |      | 5000      | 41.44      | -12.56 | 54         | 33.65    | 31.9     | 8.93   | 33.04  | 299    | 260     | A       | V       |
|                             | *    | 5220      | 102.51     | -      | -          | 94.32    | 32.12    | 9.1    | 33.03  | 299    | 260     | P       | V       |
|                             | *    | 5220      | 95.09      | -      | -          | 86.9     | 32.12    | 9.1    | 33.03  | 299    | 260     | A       | V       |
|                             |      | 5402.16   | 50.01      | -23.99 | 74         | 41.51    | 32.3     | 9.22   | 33.02  | 299    | 260     | P       | V       |
|                             |      | 5382.72   | 40.5       | -13.5  | 54         | 32.03    | 32.28    | 9.21   | 33.02  | 299    | 260     | A       | V       |





|                                      |                                                                                             |         |        |        |    |       |       |      |       |     |     |   |   |
|--------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| <b>802.11a<br/>CH 48<br/>5240MHz</b> |                                                                                             | 5000    | 50.37  | -23.63 | 74 | 42.58 | 31.9  | 8.93 | 33.04 | 400 | 341 | P | H |
|                                      |                                                                                             | 5120.9  | 41.8   | -12.2  | 54 | 33.79 | 32.02 | 9.02 | 33.03 | 400 | 341 | A | H |
|                                      | *                                                                                           | 5240    | 107.83 | -      | -  | 99.62 | 32.13 | 9.11 | 33.03 | 400 | 341 | P | H |
|                                      | *                                                                                           | 5240    | 99.12  | -      | -  | 90.91 | 32.13 | 9.11 | 33.03 | 400 | 341 | A | H |
|                                      |                                                                                             | 5355.12 | 52.27  | -21.73 | 74 | 43.86 | 32.25 | 9.19 | 33.03 | 400 | 341 | P | H |
|                                      |                                                                                             | 5401.44 | 42.63  | -11.37 | 54 | 34.13 | 32.3  | 9.22 | 33.02 | 400 | 341 | A | H |
|                                      |                                                                                             | 5126.62 | 49.97  | -24.03 | 74 | 41.94 | 32.03 | 9.03 | 33.03 | 306 | 274 | P | V |
|                                      |                                                                                             | 5000    | 41.81  | -12.19 | 54 | 34.02 | 31.9  | 8.93 | 33.04 | 306 | 274 | A | V |
|                                      | *                                                                                           | 5240    | 102.92 | -      | -  | 94.69 | 32.15 | 9.11 | 33.03 | 306 | 274 | P | V |
|                                      | *                                                                                           | 5240    | 94.36  | -      | -  | 86.13 | 32.15 | 9.11 | 33.03 | 306 | 274 | A | V |
|                                      |                                                                                             | 5359.68 | 50.45  | -23.55 | 74 | 42.03 | 32.25 | 9.2  | 33.03 | 306 | 274 | P | V |
|                                      |                                                                                             | 5351.04 | 40.44  | -13.56 | 54 | 32.03 | 32.25 | 9.19 | 33.03 | 306 | 274 | 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 Ant. 1+2               | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 36<br>5180MHz |                                                                                             | 10360             | 44.79            | -29.21            | 74                    | 56.32             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15540             | 46.38            | -27.62            | 74                    | 53.7              | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10360             | 44.11            | -29.89            | 74                    | 55.95             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15540             | 49.95            | -24.05            | 74                    | 57.27             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440             | 43.98            | -30.02            | 74                    | 55.35             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15660             | 46.81            | -27.19            | 74                    | 54.75             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10440             | 44.2             | -29.8             | 74                    | 55.88             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15660             | 49.3             | -24.7             | 74                    | 57.24             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480             | 45.63            | -28.37            | 74                    | 56.92             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15720             | 46.35            | -27.65            | 74                    | 54.67             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10480             | 44.74            | -29.26            | 74                    | 56.34             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15720             | 47.99            | -26.01            | 74                    | 56.31             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | V          |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 1+2              | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 36 5180MHz |         | 5124.02           | 52.82            | -21.18            | 74                    | 44.8                | 32.03                   | 9.02              | 33.03                | 343            | 4                 | P                 | H            |
|                            |         | 5150              | 44.6             | -9.4              | 54                    | 36.53               | 32.05                   | 9.05              | 33.03                | 343            | 4                 | A                 | H            |
|                            | *       | 5180              | 107.72           | -                 | -                     | 99.59               | 32.08                   | 9.08              | 33.03                | 343            | 4                 | P                 | H            |
|                            | *       | 5180              | 98.83            | -                 | -                     | 90.7                | 32.08                   | 9.08              | 33.03                | 343            | 4                 | A                 | H            |
|                            |         | 5016.12           | 52.26            | -21.74            | 74                    | 44.45               | 31.92                   | 8.93              | 33.04                | 309            | 86                | P                 | V            |
|                            |         | 5131.3            | 42.65            | -11.35            | 54                    | 34.62               | 32.03                   | 9.03              | 33.03                | 309            | 86                | A                 | V            |
|                            | *       | 5180              | 103.53           | -                 | -                     | 95.4                | 32.08                   | 9.08              | 33.03                | 309            | 86                | P                 | V            |
|                            | 5180    | 95.02             | -                | -                 | 86.89                 | 32.08               | 9.08                    | 33.03             | 309                  | 86             | A                 | V                 |              |
| 802.11n HT20 CH 44 5220MHz |         | 5098.8            | 51.71            | -22.29            | 74                    | 43.75               | 32                      | 9                 | 33.04                | 358            | 7                 | P                 | H            |
|                            |         | 5148.98           | 43.54            | -10.46            | 54                    | 35.47               | 32.05                   | 9.05              | 33.03                | 358            | 7                 | A                 | H            |
|                            | *       | 5220              | 107.67           | -                 | -                     | 99.48               | 32.12                   | 9.1               | 33.03                | 358            | 7                 | P                 | H            |
|                            | *       | 5220              | 99.08            | -                 | -                     | 90.89               | 32.12                   | 9.1               | 33.03                | 358            | 7                 | A                 | H            |
|                            |         | 5377.44           | 53.57            | -20.43            | 74                    | 45.11               | 32.27                   | 9.21              | 33.02                | 358            | 7                 | P                 | H            |
|                            |         | 5376.72           | 44.59            | -9.41             | 54                    | 36.13               | 32.27                   | 9.21              | 33.02                | 358            | 7                 | A                 | H            |
|                            |         | 5148.72           | 51.11            | -22.89            | 74                    | 43.04               | 32.05                   | 9.05              | 33.03                | 309            | 86                | P                 | V            |
|                            |         | 5102.7            | 42.52            | -11.48            | 54                    | 34.56               | 32                      | 9                 | 33.04                | 309            | 86                | A                 | V            |
|                            | *       | 5220              | 103.1            | -                 | -                     | 94.91               | 32.12                   | 9.1               | 33.03                | 309            | 86                | P                 | V            |
|                            | *       | 5220              | 94.36            | -                 | -                     | 86.17               | 32.12                   | 9.1               | 33.03                | 309            | 86                | A                 | V            |
|                            |         | 5443.2            | 49.7             | -24.3             | 74                    | 41.12               | 32.33                   | 9.27              | 33.02                | 309            | 86                | P                 | V            |
|                            | 5375.52 | 41.4              | -12.6            | 54                | 32.95                 | 32.27               | 9.2                     | 33.02             | 309                  | 86             | A                 | V                 |              |



|                                                                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |                                                                                             | 5138.06 | 52.87  | -21.13 | 74 | 44.84  | 32.03 | 9.03 | 33.03 | 356 | 357 | P | H |
|                                                                             |                                                                                             | 5135.98 | 44.52  | -9.48  | 54 | 36.49  | 32.03 | 9.03 | 33.03 | 356 | 357 | A | H |
|                                                                             | *                                                                                           | 5240    | 108.96 | -      | -  | 100.75 | 32.13 | 9.11 | 33.03 | 356 | 357 | P | H |
|                                                                             | *                                                                                           | 5240    | 100.78 | -      | -  | 92.57  | 32.13 | 9.11 | 33.03 | 356 | 357 | A | H |
|                                                                             |                                                                                             | 5365.44 | 53.91  | -20.09 | 74 | 45.47  | 32.27 | 9.2  | 33.03 | 356 | 357 | P | H |
|                                                                             |                                                                                             | 5357.52 | 45.76  | -8.24  | 54 | 37.35  | 32.25 | 9.19 | 33.03 | 356 | 357 | A | H |
|                                                                             |                                                                                             | 5111.54 | 50.14  | -23.86 | 74 | 42.14  | 32.02 | 9.02 | 33.04 | 306 | 277 | P | V |
|                                                                             |                                                                                             | 5126.88 | 42.12  | -11.88 | 54 | 34.09  | 32.03 | 9.03 | 33.03 | 306 | 277 | A | V |
|                                                                             | *                                                                                           | 5240    | 104.72 | -      | -  | 96.51  | 32.13 | 9.11 | 33.03 | 306 | 277 | P | V |
|                                                                             | *                                                                                           | 5240    | 96.12  | -      | -  | 87.91  | 32.13 | 9.11 | 33.03 | 306 | 277 | A | V |
|                                                                             |                                                                                             | 5360.4  | 50.27  | -23.73 | 74 | 41.85  | 32.25 | 9.2  | 33.03 | 306 | 277 | P | V |
|                                                                             |                                                                                             | 5354.16 | 42.08  | -11.92 | 54 | 33.67  | 32.25 | 9.19 | 33.03 | 306 | 277 | 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 Ant. 1+2      | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 36 |                                                                                             | 10360             | 44.98            | -29.02            | 74                    | 56.51             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15540             | 45.37            | -28.63            | 74                    | 52.69             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | H          |
| 5180MHz            |                                                                                             | 10360             | 45.13            | -28.87            | 74                    | 56.97             | 38.41                   | 14.95             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15540             | 47.52            | -26.48            | 74                    | 54.84             | 37.58                   | 18.69             | 63.98                | 100            | 0                 | P               | V          |
| 802.11n HT20 CH 44 |                                                                                             | 10440             | 44.26            | -29.74            | 74                    | 55.63             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15660             | 48.72            | -25.28            | 74                    | 56.66             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 10440             | 43.45            | -30.55            | 74                    | 55.13             | 38.51                   | 15.01             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15660             | 50.77            | -23.23            | 74                    | 58.71             | 37.14                   | 18.81             | 64.24                | 100            | 0                 | P               | V          |
| 802.11n HT20 CH 48 |                                                                                             | 10480             | 46.86            | -27.14            | 74                    | 58.15             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15720             | 49.85            | -24.15            | 74                    | 58.17             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 10480             | 46.82            | -27.18            | 74                    | 58.42             | 38.58                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15720             | 49.67            | -24.33            | 74                    | 57.99             | 36.89                   | 18.85             | 64.39                | 100            | 0                 | P               | V          |
| Remark             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 1+2              | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT40 CH 38 5190MHz |                                                                                             | 5146.64           | 55.67            | -18.33            | 74                    | 47.6              | 32.05                   | 9.05              | 33.03                | 336            | 11                | P               | H          |
|                            |                                                                                             | 5150              | 50.94            | -3.06             | 54                    | 42.87             | 32.05                   | 9.05              | 33.03                | 336            | 11                | A               | H          |
|                            | *                                                                                           | 5190              | 106.1            | -                 | -                     | 97.97             | 32.08                   | 9.08              | 33.03                | 336            | 11                | P               | H          |
|                            | *                                                                                           | 5190              | 99.51            | -                 | -                     | 91.38             | 32.08                   | 9.08              | 33.03                | 336            | 11                | A               | H          |
|                            |                                                                                             | 5357.24           | 53.8             | -20.2             | 74                    | 45.39             | 32.25                   | 9.19              | 33.03                | 336            | 11                | P               | H          |
|                            |                                                                                             | 5352.76           | 45.26            | -8.74             | 54                    | 36.85             | 32.25                   | 9.19              | 33.03                | 336            | 11                | A               | H          |
|                            |                                                                                             | 5142.74           | 50.71            | -23.29            | 74                    | 42.64             | 32.05                   | 9.05              | 33.03                | 235            | 109               | P               | V          |
|                            |                                                                                             | 5149.5            | 43.47            | -10.53            | 54                    | 35.4              | 32.05                   | 9.05              | 33.03                | 235            | 109               | A               | V          |
|                            | *                                                                                           | 5190              | 97.63            | -                 | -                     | 89.5              | 32.08                   | 9.08              | 33.03                | 235            | 109               | P               | V          |
|                            | *                                                                                           | 5190              | 90.23            | -                 | -                     | 82.1              | 32.08                   | 9.08              | 33.03                | 235            | 109               | A               | V          |
|                            |                                                                                             | 5390.28           | 48.93            | -25.07            | 74                    | 40.46             | 32.28                   | 9.21              | 33.02                | 235            | 109               | P               | V          |
|                            |                                                                                             | 5357.52           | 40.94            | -13.06            | 54                    | 32.53             | 32.25                   | 9.19              | 33.03                | 235            | 109               | A               | V          |
| 802.11n HT40 CH 46 5230MHz |                                                                                             | 5125.84           | 52.63            | -21.37            | 74                    | 44.6              | 32.03                   | 9.03              | 33.03                | 347            | 11                | P               | H          |
|                            |                                                                                             | 5124.54           | 45.39            | -8.61             | 54                    | 37.36             | 32.03                   | 9.03              | 33.03                | 347            | 11                | A               | H          |
|                            | *                                                                                           | 5230              | 107.21           | -                 | -                     | 99.01             | 32.13                   | 9.1               | 33.03                | 347            | 11                | P               | H          |
|                            | *                                                                                           | 5230              | 99.96            | -                 | -                     | 91.76             | 32.13                   | 9.1               | 33.03                | 347            | 11                | A               | H          |
|                            |                                                                                             | 5363.68           | 55.35            | -18.65            | 74                    | 46.91             | 32.27                   | 9.2               | 33.03                | 347            | 11                | P               | H          |
|                            |                                                                                             | 5354.72           | 47.02            | -6.98             | 54                    | 38.61             | 32.25                   | 9.19              | 33.03                | 347            | 11                | A               | H          |
|                            |                                                                                             | 5132.86           | 50.68            | -23.32            | 74                    | 42.65             | 32.03                   | 9.03              | 33.03                | 327            | 110               | P               | V          |
|                            |                                                                                             | 5101.66           | 44.02            | -9.98             | 54                    | 36.06             | 32                      | 9                 | 33.04                | 327            | 110               | A               | V          |
|                            | *                                                                                           | 5230              | 101.9            | -                 | -                     | 93.7              | 32.13                   | 9.1               | 33.03                | 327            | 110               | P               | V          |
|                            | *                                                                                           | 5230              | 94.57            | -                 | -                     | 86.37             | 32.13                   | 9.1               | 33.03                | 327            | 110               | A               | V          |
|                            | 5394.76                                                                                     | 51.08             | -22.92           | 74                | 42.58                 | 32.3              | 9.22                    | 33.02             | 327                  | 110            | P                 | V               |            |
|                            | 5379.08                                                                                     | 42.24             | -11.76           | 54                | 33.77                 | 32.28             | 9.21                    | 33.02             | 327                  | 110            | 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 Ant. 1+2                       | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 10380             | 46.17            | -27.83            | 74                    | 57.65             | 38.44                   | 14.97             | 65.2                 | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 15570             | 45.43            | -28.57            | 74                    | 52.94             | 37.45                   | 18.71             | 64.05                | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 10380             | 45.43            | -28.57            | 74                    | 57.22             | 38.44                   | 14.97             | 65.2                 | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15570             | 49.22            | -24.78            | 74                    | 56.73             | 37.45                   | 18.71             | 64.05                | 100            | 0                 | P               | V          |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 10460             | 45.96            | -28.04            | 74                    | 57.3              | 38.53                   | 15.02             | 65.2                 | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 15690             | 50.03            | -23.97            | 74                    | 58.16             | 37.02                   | 18.83             | 64.32                | 100            | 0                 | P               | H          |
|                                     |                                                                                             | 10460             | 45.86            | -28.14            | 74                    | 57.51             | 38.53                   | 15.02             | 65.2                 | 100            | 0                 | P               | V          |
|                                     |                                                                                             | 15690             | 53.51            | -20.49            | 74                    | 61.64             | 37.02                   | 18.83             | 64.32                | 103            | 359               | P               | V          |
|                                     |                                                                                             | 15690             | 44.5             | -9.5              | 54                    | 52.63             | 37.02                   | 18.83             | 64.32                | 103            | 359               | 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 (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT80 CH 42 5210MHz |                                                                                             | 5145.86           | 55.08            | -18.92            | 74                    | 47.01               | 32.05                   | 9.05              | 33.03                | 351            | 11                | P                 | H            |
|                              |                                                                                             | 5140.66           | 50.13            | -3.87             | 54                    | 42.08               | 32.05                   | 9.03              | 33.03                | 351            | 11                | A                 | H            |
|                              | *                                                                                           | 5210              | 98.6             | -                 | -                     | 90.42               | 32.12                   | 9.09              | 33.03                | 351            | 11                | P                 | H            |
|                              | *                                                                                           | 5210              | 91.78            | -                 | -                     | 83.6                | 32.12                   | 9.09              | 33.03                | 351            | 11                | A                 | H            |
|                              |                                                                                             | 5364.48           | 50.3             | -23.7             | 74                    | 41.86               | 32.27                   | 9.2               | 33.03                | 351            | 11                | P                 | H            |
|                              |                                                                                             | 5358              | 43.52            | -10.48            | 54                    | 35.11               | 32.25                   | 9.19              | 33.03                | 351            | 11                | A                 | H            |
|                              |                                                                                             | 5144.82           | 53               | -21               | 74                    | 44.93               | 32.05                   | 9.05              | 33.03                | 334            | 108               | P                 | V            |
|                              |                                                                                             | 5143.52           | 46.45            | -7.55             | 54                    | 38.38               | 32.05                   | 9.05              | 33.03                | 334            | 108               | A                 | V            |
|                              | *                                                                                           | 5210              | 92.92            | -                 | -                     | 84.74               | 32.12                   | 9.09              | 33.03                | 334            | 108               | P                 | V            |
|                              | *                                                                                           | 5210              | 86.29            | -                 | -                     | 78.11               | 32.12                   | 9.09              | 33.03                | 334            | 108               | A                 | V            |
|                              |                                                                                             | 5400.72           | 48.86            | -25.14            | 74                    | 40.36               | 32.3                    | 9.22              | 33.02                | 334            | 108               | P                 | V            |
|                              |                                                                                             | 5451.6            | 41.92            | -12.08            | 54                    | 33.3                | 32.35                   | 9.29              | 33.02                | 334            | 108               | 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 Ant. 1+2 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac      |                                                                                             | 10420             | 46.39            | -27.61            | 74                    | 57.81             | 38.48                   | 14.99             | 65.2                 | 100            | 0                 | P               | H          |
| VHT80         |                                                                                             | 15630             | 45.62            | -28.38            | 74                    | 53.48             | 37.2                    | 18.78             | 64.2                 | 100            | 0                 | P               | H          |
| CH 42         |                                                                                             | 10420             | 45.29            | -28.71            | 74                    | 57.02             | 38.48                   | 14.99             | 65.2                 | 100            | 0                 | P               | V          |
| 5210MHz       |                                                                                             | 15630             | 45               | -29               | 74                    | 52.86             | 37.2                    | 18.78             | 64.2                 | 100            | 0                 | P               | V          |
| Remark        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                         |      | ( MHz )   | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | ( dBµV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5000.34   | 53.19      | -20.81 | 74         | 45.4     | 31.9     | 8.93   | 33.04  | 302    | 360     | P       | H       |
|                             |      | 5137.36   | 42.87      | -11.13 | 54         | 34.84    | 32.03    | 9.03   | 33.03  | 302    | 360     | A       | H       |
|                             | *    | 5260      | 110.16     | -      | -          | 101.89   | 32.17    | 9.13   | 33.03  | 302    | 360     | P       | H       |
|                             | *    | 5260      | 101.36     | -      | -          | 93.09    | 32.17    | 9.13   | 33.03  | 302    | 360     | A       | H       |
|                             |      | 5424.24   | 52.61      | -21.39 | 74         | 44.07    | 32.32    | 9.24   | 33.02  | 302    | 360     | P       | H       |
|                             |      | 5381.52   | 43.79      | -10.21 | 54         | 35.32    | 32.28    | 9.21   | 33.02  | 302    | 360     | A       | H       |
|                             |      | 5147.9    | 50.29      | -23.71 | 74         | 42.22    | 32.05    | 9.05   | 33.03  | 293    | 259     | P       | V       |
|                             |      | 5104.04   | 41.47      | -12.53 | 54         | 33.51    | 32       | 9      | 33.04  | 293    | 259     | A       | V       |
|                             | *    | 5260      | 104.46     | -      | -          | 96.19    | 32.17    | 9.13   | 33.03  | 293    | 259     | P       | V       |
|                             | *    | 5260      | 96.42      | -      | -          | 88.15    | 32.17    | 9.13   | 33.03  | 293    | 259     | A       | V       |
|                             |      | 5415.12   | 50.03      | -23.97 | 74         | 41.49    | 32.32    | 9.24   | 33.02  | 293    | 259     | P       | V       |
|                             |      | 5356.08   | 41.27      | -12.73 | 54         | 32.86    | 32.25    | 9.19   | 33.03  | 293    | 259     | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5137.02   | 51.35      | -22.65 | 74         | 43.32    | 32.03    | 9.03   | 33.03  | 400    | 11      | P       | H       |
|                             |      | 5147.9    | 43.06      | -10.94 | 54         | 34.99    | 32.05    | 9.05   | 33.03  | 400    | 11      | A       | H       |
|                             | *    | 5300      | 110.72     | -      | -          | 102.4    | 32.2     | 9.15   | 33.03  | 400    | 11      | P       | H       |
|                             | *    | 5300      | 102.54     | -      | -          | 94.22    | 32.2     | 9.15   | 33.03  | 400    | 11      | A       | H       |
|                             |      | 5382.48   | 53.62      | -20.38 | 74         | 45.15    | 32.28    | 9.21   | 33.02  | 400    | 11      | P       | H       |
|                             |      | 5353.68   | 45.23      | -8.77  | 54         | 36.82    | 32.25    | 9.19   | 33.03  | 400    | 11      | A       | H       |
|                             |      | 5135.66   | 50.49      | -23.51 | 74         | 42.46    | 32.03    | 9.03   | 33.03  | 320    | 274     | P       | V       |
|                             |      | 5144.16   | 42.19      | -11.81 | 54         | 34.12    | 32.05    | 9.05   | 33.03  | 320    | 274     | A       | V       |
|                             | *    | 5300      | 105.37     | -      | -          | 97.05    | 32.2     | 9.15   | 33.03  | 320    | 274     | P       | V       |
|                             | *    | 5300      | 97.22      | -      | -          | 88.9     | 32.2     | 9.15   | 33.03  | 320    | 274     | A       | V       |
|                             |      | 5419.44   | 50.8       | -23.2  | 74         | 42.26    | 32.32    | 9.24   | 33.02  | 320    | 274     | P       | V       |
|                             |      | 5353.44   | 42.64      | -11.36 | 54         | 34.23    | 32.25    | 9.19   | 33.03  | 320    | 274     | A       | V       |



|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 111.09 | -      | -  | 102.74 | 32.22 | 9.16 | 33.03 | 342 | 11  | P | H |
|                                                  | *                                                                                           | 5320    | 102.7  | -      | -  | 94.35  | 32.22 | 9.16 | 33.03 | 342 | 11  | A | H |
|                                                  |                                                                                             | 5362.08 | 53.93  | -20.07 | 74 | 45.49  | 32.27 | 9.2  | 33.03 | 342 | 11  | P | H |
|                                                  |                                                                                             | 5352.96 | 46.39  | -7.61  | 54 | 37.98  | 32.25 | 9.19 | 33.03 | 342 | 11  | A | H |
|                                                  | *                                                                                           | 5320    | 105.9  | -      | -  | 97.55  | 32.22 | 9.16 | 33.03 | 317 | 269 | P | V |
|                                                  | *                                                                                           | 5320    | 97.49  | -      | -  | 89.14  | 32.22 | 9.16 | 33.03 | 317 | 269 | A | V |
|                                                  |                                                                                             | 5350.56 | 51.83  | -22.17 | 74 | 43.42  | 32.25 | 9.19 | 33.03 | 317 | 269 | P | V |
|                                                  |                                                                                             | 5352.96 | 42.83  | -11.17 | 54 | 34.42  | 32.25 | 9.19 | 33.03 | 317 | 269 | A | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

**WIFI 802.11a (Harmonic @ 3m)**

| WIFI Ant. 1+2               | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 10520             | 44.33            | -29.67            | 74                    | 55.54             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15780             | 47.88            | -26.12            | 74                    | 56.47             | 36.71                   | 18.9              | 64.51                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10520             | 42.99            | -31.01            | 74                    | 54.51             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15780             | 50.6             | -23.4             | 74                    | 59.19             | 36.71                   | 18.9              | 64.51                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600             | 43.54            | -30.46            | 74                    | 54.58             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15900             | 47.92            | -26.08            | 74                    | 57.12             | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10600             | 43               | -31               | 74                    | 54.35             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15900             | 50.63            | -23.37            | 74                    | 59.83             | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | V          |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640             | 43               | -31               | 74                    | 53.95             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 15960             | 49.73            | -24.27            | 74                    | 59.31             | 36.02                   | 19.06             | 64.92                | 100            | 0                 | P               | H          |
|                             |                                                                                             | 10640             | 44.47            | -29.53            | 74                    | 55.72             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | V          |
|                             |                                                                                             | 15960             | 49.92            | -24.08            | 74                    | 59.5              | 36.02                   | 19.06             | 64.92                | 100            | 0                 | P               | V          |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 1+2              | Note    | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|----------------------------|---------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 52 5260MHz |         | 5096.9            | 52.48            | -21.52            | 74                    | 44.52               | 32                      | 9                 | 33.04                | 320            | 171               | P                 | H            |
|                            |         | 5145.86           | 44.62            | -9.38             | 54                    | 36.55               | 32.05                   | 9.05              | 33.03                | 320            | 171               | A                 | H            |
|                            | *       | 5260              | 108.92           | -                 | -                     | 100.65              | 32.17                   | 9.13              | 33.03                | 320            | 171               | P                 | H            |
|                            | *       | 5260              | 101.06           | -                 | -                     | 92.79               | 32.17                   | 9.13              | 33.03                | 320            | 171               | A                 | H            |
|                            |         | 5374.8            | 53.87            | -20.13            | 74                    | 45.42               | 32.27                   | 9.2               | 33.02                | 320            | 171               | P                 | H            |
|                            |         | 5367.12           | 45.92            | -8.08             | 54                    | 37.48               | 32.27                   | 9.2               | 33.03                | 320            | 171               | A                 | H            |
|                            |         | 5064.26           | 50.08            | -23.92            | 74                    | 42.18               | 31.97                   | 8.97              | 33.04                | 319            | 265               | P                 | V            |
|                            |         | 5000              | 42.92            | -11.08            | 54                    | 35.13               | 31.9                    | 8.93              | 33.04                | 319            | 265               | A                 | V            |
|                            | *       | 5260              | 104.56           | -                 | -                     | 96.29               | 32.17                   | 9.13              | 33.03                | 319            | 265               | P                 | V            |
|                            | *       | 5260              | 96.6             | -                 | -                     | 88.33               | 32.17                   | 9.13              | 33.03                | 319            | 265               | A                 | V            |
|                            |         | 5356.08           | 50.51            | -23.49            | 74                    | 42.1                | 32.25                   | 9.19              | 33.03                | 319            | 265               | P                 | V            |
|                            |         | 5356.56           | 42.6             | -11.4             | 54                    | 34.19               | 32.25                   | 9.19              | 33.03                | 319            | 265               | A                 | V            |
| 802.11n HT20 CH 60 5300MHz |         | 5144.84           | 50.84            | -23.16            | 74                    | 42.77               | 32.05                   | 9.05              | 33.03                | 295            | 360               | P                 | H            |
|                            |         | 5147.56           | 43.25            | -10.75            | 54                    | 35.18               | 32.05                   | 9.05              | 33.03                | 295            | 360               | A                 | H            |
|                            | *       | 5300              | 110.32           | -                 | -                     | 102                 | 32.2                    | 9.15              | 33.03                | 295            | 360               | P                 | H            |
|                            | *       | 5300              | 101.92           | -                 | -                     | 93.6                | 32.2                    | 9.15              | 33.03                | 295            | 360               | A                 | H            |
|                            |         | 5440.56           | 54.57            | -19.43            | 74                    | 45.99               | 32.33                   | 9.27              | 33.02                | 295            | 360               | P                 | H            |
|                            |         | 5351.52           | 46.14            | -7.86             | 54                    | 37.73               | 32.25                   | 9.19              | 33.03                | 295            | 360               | A                 | H            |
|                            |         | 5112.2            | 50.45            | -23.55            | 74                    | 42.45               | 32.02                   | 9.02              | 33.04                | 310            | 273               | P                 | V            |
|                            |         | 5139.06           | 42.34            | -11.66            | 54                    | 34.31               | 32.03                   | 9.03              | 33.03                | 310            | 273               | A                 | V            |
|                            | *       | 5300              | 105.69           | -                 | -                     | 97.37               | 32.2                    | 9.15              | 33.03                | 310            | 273               | P                 | V            |
|                            | *       | 5300              | 97.15            | -                 | -                     | 88.83               | 32.2                    | 9.15              | 33.03                | 310            | 273               | A                 | V            |
|                            | 5379.6  | 51.44             | -22.56           | 74                | 42.97                 | 32.28               | 9.21                    | 33.02             | 310                  | 273            | P                 | V                 |              |
|                            | 5350.08 | 42.7              | -11.3            | 54                | 34.29                 | 32.25               | 9.19                    | 33.03             | 310                  | 273            | A                 | V                 |              |



|                                                                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 64</b><br><br><b>5320MHz</b> | *                                                                                           | 5320    | 111.06 | -      | -  | 102.71 | 32.22 | 9.16 | 33.03 | 344 | 12  | P | H |
|                                                                             | *                                                                                           | 5320    | 102.52 | -      | -  | 94.17  | 32.22 | 9.16 | 33.03 | 344 | 12  | A | H |
|                                                                             |                                                                                             | 5352.64 | 55.86  | -18.14 | 74 | 47.45  | 32.25 | 9.19 | 33.03 | 344 | 12  | P | H |
|                                                                             |                                                                                             | 5350.24 | 48     | -6     | 54 | 39.59  | 32.25 | 9.19 | 33.03 | 344 | 12  | A | H |
|                                                                             | *                                                                                           | 5320    | 105.17 | -      | -  | 96.82  | 32.22 | 9.16 | 33.03 | 340 | 259 | P | V |
|                                                                             | *                                                                                           | 5320    | 96.47  | -      | -  | 88.12  | 32.22 | 9.16 | 33.03 | 340 | 259 | A | V |
|                                                                             |                                                                                             | 5352.48 | 51.58  | -22.42 | 74 | 43.17  | 32.25 | 9.19 | 33.03 | 340 | 259 | P | V |
|                                                                             |                                                                                             | 5351.52 | 43.49  | -10.51 | 54 | 35.08  | 32.25 | 9.19 | 33.03 | 340 | 259 | A | V |
| <b>Remark</b>                                                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1+2      | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT20 CH 52 |                                                                                             | 10520             | 45.03            | -28.97            | 74                    | 56.24             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15780             | 47.37            | -26.63            | 74                    | 55.96             | 36.71                   | 18.9              | 64.51                | 100            | 0                 | P               | H          |
| 5260MHz            |                                                                                             | 10520             | 45.44            | -28.56            | 74                    | 56.96             | 38.62                   | 15.06             | 65.2                 | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15780             | 50.46            | -23.54            | 74                    | 59.05             | 36.71                   | 18.9              | 64.51                | 100            | 0                 | P               | V          |
| 802.11n HT20 CH 60 |                                                                                             | 10600             | 45.77            | -28.23            | 74                    | 56.81             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15900             | 49.44            | -24.56            | 74                    | 58.64             | 36.27                   | 19.02             | 64.77                | 100            | 0                 | P               | H          |
| 5300MHz            |                                                                                             | 10600             | 45.01            | -28.99            | 74                    | 56.36             | 38.72                   | 15.11             | 65.18                | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15900             | 53.16            | -20.84            | 74                    | 62.36             | 36.27                   | 19.02             | 64.77                | 100            | 324               | P               | V          |
| 802.11n HT20 CH 64 |                                                                                             | 15900             | 42.91            | -11.09            | 54                    | 52.11             | 36.27                   | 19.02             | 64.77                | 100            | 324               | A               | V          |
|                    |                                                                                             | 10640             | 44.29            | -29.71            | 74                    | 55.24             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | H          |
| 5320MHz            |                                                                                             | 15960             | 50.59            | -23.41            | 74                    | 60.17             | 36.02                   | 19.06             | 64.92                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 10640             | 44.62            | -29.38            | 74                    | 55.87             | 38.77                   | 15.15             | 65.17                | 100            | 0                 | P               | V          |
| 802.11n HT20 CH 64 |                                                                                             | 15960             | 54.33            | -19.67            | 74                    | 63.91             | 36.02                   | 19.06             | 64.92                | 138            | 0                 | P               | V          |
|                    |                                                                                             | 15960             | 44.64            | -9.36             | 54                    | 54.22             | 36.02                   | 19.06             | 64.92                | 138            | 0                 | 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 (Band Edge @ 3m)

| WIFI Ant. 1+2              | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT40 CH 54 5270MHz |                                                                                             | 5116.62           | 52.79            | -21.21            | 74                    | 44.79             | 32.02                   | 9.02              | 33.04                | 344            | 358               | P               | H          |
|                            |                                                                                             | 5145.86           | 45.34            | -8.66             | 54                    | 37.27             | 32.05                   | 9.05              | 33.03                | 344            | 358               | A               | H          |
|                            | *                                                                                           | 5270              | 108.32           | -                 | -                     | 100.04            | 32.17                   | 9.14              | 33.03                | 344            | 358               | P               | H          |
|                            | *                                                                                           | 5270              | 100.52           | -                 | -                     | 92.24             | 32.17                   | 9.14              | 33.03                | 344            | 358               | A               | H          |
|                            |                                                                                             | 5392.08           | 54.27            | -19.73            | 74                    | 45.8              | 32.28                   | 9.21              | 33.02                | 344            | 358               | P               | H          |
|                            |                                                                                             | 5395.44           | 47.34            | -6.66             | 54                    | 38.84             | 32.3                    | 9.22              | 33.02                | 344            | 358               | A               | H          |
|                            |                                                                                             | 5080.24           | 51.42            | -22.58            | 74                    | 43.49             | 31.98                   | 8.99              | 33.04                | 353            | 90                | P               | V          |
|                            |                                                                                             | 5115.6            | 43.6             | -10.4             | 54                    | 35.6              | 32.02                   | 9.02              | 33.04                | 353            | 90                | A               | V          |
|                            | *                                                                                           | 5270              | 102.96           | -                 | -                     | 94.68             | 32.17                   | 9.14              | 33.03                | 353            | 90                | P               | V          |
|                            | *                                                                                           | 5270              | 94.85            | -                 | -                     | 86.57             | 32.17                   | 9.14              | 33.03                | 353            | 90                | A               | V          |
|                            |                                                                                             | 5369.52           | 51.42            | -22.58            | 74                    | 42.98             | 32.27                   | 9.2               | 33.03                | 353            | 90                | P               | V          |
|                            |                                                                                             | 5420.4            | 42.82            | -11.18            | 54                    | 34.28             | 32.32                   | 9.24              | 33.02                | 353            | 90                | A               | V          |
| 802.11n HT40 CH 62 5310MHz |                                                                                             | 5069.02           | 51.08            | -22.92            | 74                    | 43.18             | 31.97                   | 8.97              | 33.04                | 341            | 11                | P               | H          |
|                            |                                                                                             | 5000              | 44.99            | -9.01             | 54                    | 37.2              | 31.9                    | 8.93              | 33.04                | 341            | 11                | A               | H          |
|                            | *                                                                                           | 5310              | 105.88           | -                 | -                     | 97.53             | 32.22                   | 9.16              | 33.03                | 341            | 11                | P               | H          |
|                            | *                                                                                           | 5310              | 97.63            | -                 | -                     | 89.28             | 32.22                   | 9.16              | 33.03                | 341            | 11                | A               | H          |
|                            |                                                                                             | 5351.04           | 54.3             | -19.7             | 74                    | 45.89             | 32.25                   | 9.19              | 33.03                | 341            | 11                | P               | H          |
|                            |                                                                                             | 5350.32           | 48.39            | -5.61             | 54                    | 39.98             | 32.25                   | 9.19              | 33.03                | 341            | 11                | A               | H          |
|                            |                                                                                             | 5090.44           | 50.64            | -23.36            | 74                    | 42.68             | 32                      | 9                 | 33.04                | 323            | 112               | P               | V          |
|                            |                                                                                             | 5082.62           | 42.03            | -11.97            | 54                    | 34.1              | 31.98                   | 8.99              | 33.04                | 323            | 112               | A               | V          |
|                            | *                                                                                           | 5310              | 99.57            | -                 | -                     | 91.22             | 32.22                   | 9.16              | 33.03                | 323            | 112               | P               | V          |
|                            | *                                                                                           | 5310              | 91.82            | -                 | -                     | 83.47             | 32.22                   | 9.16              | 33.03                | 323            | 112               | A               | V          |
|                            | 5358.96                                                                                     | 50.43             | -23.57           | 74                | 42.01                 | 32.25             | 9.2                     | 33.03             | 323                  | 112            | P                 | V               |            |
|                            | 5352                                                                                        | 43.03             | -10.97           | 54                | 34.62                 | 32.25             | 9.19                    | 33.03             | 323                  | 112            | 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 Ant. 1+2      | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n HT40       |                                                                                             | 10540             | 44.76            | -29.24            | 74                    | 55.92             | 38.64                   | 15.08             | 65.19                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15810             | 45.4             | -28.6             | 74                    | 54.14             | 36.58                   | 18.95             | 64.58                | 100            | 0                 | P               | H          |
| 5270MHz CH 54      |                                                                                             | 10540             | 45.09            | -28.91            | 74                    | 56.56             | 38.64                   | 15.08             | 65.19                | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15810             | 46.41            | -27.59            | 74                    | 55.15             | 36.58                   | 18.95             | 64.58                | 100            | 0                 | P               | V          |
| 802.11n HT40 CH 62 |                                                                                             | 10620             | 45.06            | -28.94            | 74                    | 56.07             | 38.74                   | 15.13             | 65.18                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 15930             | 43.12            | -30.88            | 74                    | 52.51             | 36.15                   | 19.04             | 64.85                | 100            | 0                 | P               | H          |
|                    |                                                                                             | 10620             | 44.95            | -29.05            | 74                    | 56.26             | 38.74                   | 15.13             | 65.18                | 100            | 0                 | P               | V          |
|                    |                                                                                             | 15930             | 43.46            | -30.54            | 74                    | 52.85             | 36.15                   | 19.04             | 64.85                | 100            | 0                 | P               | V          |
| Remark             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1+2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 58 5290MHz |                                                                                             | 5000              | 51.56            | -22.44            | 74                    | 43.77             | 31.9                    | 8.93              | 33.04                | 345            | 10                | P               | H          |
|                              |                                                                                             | 5000              | 46.54            | -7.46             | 54                    | 38.75             | 31.9                    | 8.93              | 33.04                | 345            | 10                | A               | H          |
|                              | *                                                                                           | 5290              | 100.74           | -                 | -                     | 92.44             | 32.18                   | 9.15              | 33.03                | 345            | 10                | P               | H          |
|                              | *                                                                                           | 5290              | 92.99            | -                 | -                     | 84.69             | 32.18                   | 9.15              | 33.03                | 345            | 10                | A               | H          |
|                              |                                                                                             | 5355.12           | 56.26            | -17.74            | 74                    | 47.85             | 32.25                   | 9.19              | 33.03                | 345            | 10                | P               | H          |
|                              |                                                                                             | 5353.68           | 48.97            | -5.03             | 54                    | 40.56             | 32.25                   | 9.19              | 33.03                | 345            | 10                | A               | H          |
|                              |                                                                                             | 5138.04           | 49.77            | -24.23            | 74                    | 41.74             | 32.03                   | 9.03              | 33.03                | 325            | 91                | P               | V          |
|                              |                                                                                             | 5099.62           | 43.61            | -10.39            | 54                    | 35.65             | 32                      | 9                 | 33.04                | 325            | 91                | A               | V          |
|                              | *                                                                                           | 5290              | 94.45            | -                 | -                     | 86.15             | 32.18                   | 9.15              | 33.03                | 325            | 91                | P               | V          |
|                              | *                                                                                           | 5290              | 86.3             | -                 | -                     | 78                | 32.18                   | 9.15              | 33.03                | 325            | 91                | A               | V          |
|                              |                                                                                             | 5350.08           | 51.55            | -22.45            | 74                    | 43.14             | 32.25                   | 9.19              | 33.03                | 325            | 91                | P               | V          |
|                              |                                                                                             | 5350.8            | 44.4             | -9.6              | 54                    | 35.99             | 32.25                   | 9.19              | 33.03                | 325            | 91                | 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 Ant. 1+2 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac      |                                                                                             | 10580             | 46.62            | -27.38            | 74                    | 57.7              | 38.7                    | 15.09             | 65.18                | 100            | 0                 | P               | H          |
| VHT80         |                                                                                             | 15870             | 43.42            | -30.58            | 74                    | 52.54             | 36.33                   | 18.99             | 64.73                | 100            | 0                 | P               | H          |
| CH 58         |                                                                                             | 10580             | 44.83            | -29.17            | 74                    | 56.22             | 38.7                    | 15.09             | 65.18                | 100            | 0                 | P               | V          |
| 5290MHz       |                                                                                             | 15870             | 43.42            | -30.58            | 74                    | 52.54             | 36.33                   | 18.99             | 64.73                | 100            | 0                 | P               | V          |
| Remark        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 100<br>5500MHz |      | 5462.8    | 54.27      | -19.73 | 74         | 45.63    | 32.37    | 9.29   | 33.02  | 354    | 0       | P       | H       |
|                              |      | 5467.44   | 45.14      | -8.86  | 54         | 36.48    | 32.37    | 9.31   | 33.02  | 354    | 0       | A       | H       |
|                              | *    | 5500      | 109.22     | -      | -          | 100.5    | 32.4     | 9.34   | 33.02  | 354    | 0       | P       | H       |
|                              | *    | 5500      | 100.84     | -      | -          | 92.12    | 32.4     | 9.34   | 33.02  | 354    | 0       | A       | H       |
|                              |      | 5468.24   | 51.05      | -22.95 | 74         | 42.39    | 32.37    | 9.31   | 33.02  | 361    | 112     | P       | V       |
|                              |      | 5467.76   | 42.2       | -11.8  | 54         | 33.54    | 32.37    | 9.31   | 33.02  | 361    | 112     | A       | V       |
|                              | *    | 5500      | 104.4      | -      | -          | 95.68    | 32.4     | 9.34   | 33.02  | 361    | 112     | P       | V       |
|                              | *    | 5500      | 96.06      | -      | -          | 87.34    | 32.4     | 9.34   | 33.02  | 361    | 112     | A       | V       |
| 802.11a<br>CH 116<br>5580MHz |      | 5459.44   | 53.43      | -20.57 | 74         | 44.81    | 32.35    | 9.29   | 33.02  | 348    | 0       | P       | H       |
|                              |      | 5424.16   | 44.77      | -9.23  | 54         | 36.23    | 32.32    | 9.24   | 33.02  | 348    | 0       | A       | H       |
|                              | *    | 5580      | 110.8      | -      | -          | 101.84   | 32.57    | 9.46   | 33.07  | 348    | 0       | P       | H       |
|                              | *    | 5580      | 102.75     | -      | -          | 93.79    | 32.57    | 9.46   | 33.07  | 348    | 0       | A       | H       |
|                              |      | 5735.39   | 54.08      | -19.92 | 74         | 44.43    | 32.98    | 9.82   | 33.15  | 348    | 0       | P       | H       |
|                              |      | 5736.335  | 46.05      | -7.95  | 54         | 36.35    | 32.98    | 9.87   | 33.15  | 348    | 0       | A       | H       |
|                              |      | 5424.4    | 50.12      | -23.88 | 74         | 41.58    | 32.32    | 9.24   | 33.02  | 301    | 89      | P       | V       |
|                              |      | 5468.8    | 41.56      | -12.44 | 54         | 32.9     | 32.37    | 9.31   | 33.02  | 301    | 89      | A       | V       |
|                              | *    | 5580      | 103.45     | -      | -          | 94.49    | 32.57    | 9.46   | 33.07  | 301    | 89      | P       | V       |
|                              | *    | 5580      | 94.96      | -      | -          | 86       | 32.57    | 9.46   | 33.07  | 301    | 89      | A       | V       |
|                              |      | 5734.76   | 49.28      | -24.72 | 74         | 39.63    | 32.98    | 9.82   | 33.15  | 301    | 89      | P       | V       |
|                              |      | 5738.225  | 42.41      | -11.59 | 54         | 32.71    | 32.98    | 9.87   | 33.15  | 301    | 89      | A       | V       |



|                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 111.2  | -      | -  | 101.69 | 32.86 | 9.77 | 33.12 | 333 | 348 | P | H |
|                                                   | *                                                                                           | 5700    | 103.29 | -      | -  | 93.78  | 32.86 | 9.77 | 33.12 | 333 | 348 | A | H |
|                                                   |                                                                                             | 5733.64 | 56.89  | -17.11 | 74 | 47.28  | 32.94 | 9.82 | 33.15 | 333 | 348 | P | H |
|                                                   |                                                                                             | 5728.52 | 48.3   | -5.7   | 54 | 38.67  | 32.94 | 9.82 | 33.13 | 333 | 348 | A | H |
|                                                   | *                                                                                           | 5700    | 103.52 | -      | -  | 94.01  | 32.86 | 9.77 | 33.12 | 320 | 100 | P | V |
|                                                   | *                                                                                           | 5700    | 95.08  | -      | -  | 85.57  | 32.86 | 9.77 | 33.12 | 320 | 100 | A | V |
|                                                   |                                                                                             | 5727.24 | 51.71  | -22.29 | 74 | 42.08  | 32.94 | 9.82 | 33.13 | 320 | 100 | P | V |
|                                                   |                                                                                             | 5725    | 43.85  | -10.15 | 54 | 34.22  | 32.94 | 9.82 | 33.13 | 320 | 100 | A | V |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1+2                | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11a<br>CH 100<br>5500MHz |                                                                                             | 11000             | 45.81            | -28.19            | 74                    | 56.04             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 16500             | 49.22            | -24.78            | 74                    | 57.47             | 37.1                    | 19.45             | 65.1                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 11000             | 45.88            | -28.12            | 74                    | 56.41             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 16500             | 54.24            | -19.76            | 74                    | 62.49             | 37.1                    | 19.45             | 65.1                 | 156            | 0                 | P               | V          |
|                              |                                                                                             | 16500             | 45.44            | -8.56             | 54                    | 53.69             | 37.1                    | 19.45             | 65.1                 | 156            | 0                 | A               | V          |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160             | 45.75            | -28.25            | 74                    | 56.16             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 16740             | 53.16            | -20.84            | 74                    | 59.17             | 38.93                   | 19.6              | 64.86                | 315            | 24                | P               | H          |
|                              |                                                                                             | 16740             | 44.22            | -9.78             | 54                    | 50.23             | 38.93                   | 19.6              | 64.86                | 315            | 24                | A               | H          |
|                              |                                                                                             | 11160             | 46.98            | -27.02            | 74                    | 57.68             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 16740             | 57.1             | -16.9             | 74                    | 63.11             | 38.93                   | 19.6              | 64.86                | 146            | 359               | P               | V          |
|                              | 16740                                                                                       | 47.45             | -6.55            | 54                | 53.46                 | 38.93             | 19.6                    | 64.86             | 146                  | 359            | A                 | V               |            |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400             | 46.06            | -27.94            | 74                    | 56.74             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | H          |
|                              |                                                                                             | 17100             | 55.18            | -18.82            | 74                    | 58.63             | 40.84                   | 19.82             | 64.46                | 333            | 24                | P               | H          |
|                              |                                                                                             | 17100             | 45.08            | -8.92             | 54                    | 48.53             | 40.84                   | 19.82             | 64.46                | 333            | 24                | A               | H          |
|                              |                                                                                             | 11400             | 45.67            | -28.33            | 74                    | 56.63             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | V          |
|                              |                                                                                             | 17100             | 57.19            | -16.81            | 74                    | 60.64             | 40.84                   | 19.82             | 64.46                | 116            | 1                 | P               | V          |
|                              | 17100                                                                                       | 47.23             | -6.77            | 54                | 50.68                 | 40.84             | 19.82                   | 64.46             | 116                  | 1              | A                 | V               |            |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI Ant. 1+2               | Note     | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|----------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT20 CH 100 5500MHz |          | 5469.52           | 57.47            | -16.53            | 74                    | 48.81               | 32.37                   | 9.31              | 33.02                | 356            | 360               | P                 | H            |
|                             |          | 5470              | 49.32            | -4.68             | 54                    | 40.66               | 32.37                   | 9.31              | 33.02                | 356            | 360               | A                 | H            |
|                             | *        | 5500              | 111.59           | -                 | -                     | 102.87              | 32.4                    | 9.34              | 33.02                | 356            | 360               | P                 | H            |
|                             | *        | 5500              | 103.42           | -                 | -                     | 94.7                | 32.4                    | 9.34              | 33.02                | 356            | 360               | A                 | H            |
|                             |          | 5469.52           | 52.74            | -21.26            | 74                    | 44.08               | 32.37                   | 9.31              | 33.02                | 366            | 78                | P                 | V            |
|                             |          | 5470              | 44.07            | -9.93             | 54                    | 35.41               | 32.37                   | 9.31              | 33.02                | 366            | 78                | A                 | V            |
|                             | *        | 5500              | 104.36           | -                 | -                     | 95.64               | 32.4                    | 9.34              | 33.02                | 366            | 78                | P                 | V            |
|                             | *        | 5500              | 95.82            | -                 | -                     | 87.1                | 32.4                    | 9.34              | 33.02                | 366            | 78                | A                 | V            |
| 802.11n HT20 CH 116 5580MHz |          | 5457.28           | 53.65            | -20.35            | 74                    | 45.03               | 32.35                   | 9.29              | 33.02                | 347            | 0                 | P                 | H            |
|                             |          | 5468.8            | 45.86            | -8.14             | 54                    | 37.2                | 32.37                   | 9.31              | 33.02                | 347            | 0                 | A                 | H            |
|                             | *        | 5580              | 111.25           | -                 | -                     | 102.29              | 32.57                   | 9.46              | 33.07                | 347            | 0                 | P                 | H            |
|                             | *        | 5580              | 102.73           | -                 | -                     | 93.77               | 32.57                   | 9.46              | 33.07                | 347            | 0                 | A                 | H            |
|                             |          | 5742.005          | 54.09            | -19.91            | 74                    | 44.39               | 32.98                   | 9.87              | 33.15                | 347            | 0                 | P                 | H            |
|                             |          | 5736.335          | 46.06            | -7.94             | 54                    | 36.36               | 32.98                   | 9.87              | 33.15                | 347            | 0                 | A                 | H            |
|                             |          | 5465.68           | 49.77            | -24.23            | 74                    | 41.13               | 32.37                   | 9.29              | 33.02                | 301            | 220               | P                 | V            |
|                             |          | 5469.04           | 40.85            | -13.15            | 54                    | 32.19               | 32.37                   | 9.31              | 33.02                | 301            | 220               | A                 | V            |
|                             | *        | 5580              | 102.31           | -                 | -                     | 93.35               | 32.57                   | 9.46              | 33.07                | 301            | 220               | P                 | V            |
|                             | *        | 5580              | 94               | -                 | -                     | 85.04               | 32.57                   | 9.46              | 33.07                | 301            | 220               | A                 | V            |
|                             |          | 5736.335          | 50.14            | -23.86            | 74                    | 40.44               | 32.98                   | 9.87              | 33.15                | 301            | 220               | P                 | V            |
|                             | 5739.485 | 42.18             | -11.82           | 54                | 32.48                 | 32.98               | 9.87                    | 33.15             | 301                  | 220            | A                 | V                 |              |



|                                                                              |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 140</b><br><br><b>5700MHz</b> | *                                                                                           | 5700    | 111.75 | -      | -  | 102.24 | 32.86 | 9.77 | 33.12 | 383 | 343 | P | H |
|                                                                              | *                                                                                           | 5700    | 104.23 | -      | -  | 94.72  | 32.86 | 9.77 | 33.12 | 383 | 343 | A | H |
|                                                                              |                                                                                             | 5725.24 | 57.8   | -16.2  | 74 | 48.17  | 32.94 | 9.82 | 33.13 | 383 | 343 | P | H |
|                                                                              |                                                                                             | 5725.16 | 49.6   | -4.4   | 54 | 39.97  | 32.94 | 9.82 | 33.13 | 383 | 343 | A | H |
|                                                                              | *                                                                                           | 5700    | 103.83 | -      | -  | 94.32  | 32.86 | 9.77 | 33.12 | 322 | 79  | P | V |
|                                                                              | *                                                                                           | 5700    | 96.32  | -      | -  | 86.81  | 32.86 | 9.77 | 33.12 | 322 | 79  | A | V |
|                                                                              |                                                                                             | 5737.16 | 52.29  | -21.71 | 74 | 42.59  | 32.98 | 9.87 | 33.15 | 322 | 79  | P | V |
|                                                                              |                                                                                             | 5725    | 43.66  | -10.34 | 54 | 34.03  | 32.94 | 9.82 | 33.13 | 322 | 79  | A | V |
| <b>Remark</b>                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |





Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI Ant. 1+2                        | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11n<br>HT20<br>CH 100<br>5500MHz |                                                                                             | 11000             | 47.5             | -26.5             | 74                    | 57.73             | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | H          |
|                                      |                                                                                             | 16500             | 52.3             | -21.7             | 74                    | 60.55             | 37.1                    | 19.45             | 65.1                 | 100            | 314               | P               | H          |
|                                      |                                                                                             | 16500             | 41.36            | -12.64            | 54                    | 49.61             | 37.1                    | 19.45             | 65.1                 | 100            | 314               | A               | H          |
|                                      |                                                                                             | 11000             | 46.27            | -27.73            | 74                    | 56.8              | 39.2                    | 15.37             | 65.1                 | 100            | 0                 | P               | V          |
|                                      |                                                                                             | 16500             | 54.4             | -19.6             | 74                    | 62.65             | 37.1                    | 19.45             | 65.1                 | 177            | 1                 | P               | V          |
|                                      |                                                                                             | 16500             | 45.46            | -8.54             | 54                    | 53.71             | 37.1                    | 19.45             | 65.1                 | 177            | 1                 | A               | V          |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |                                                                                             | 11160             | 44.56            | -29.44            | 74                    | 54.97             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | H          |
|                                      |                                                                                             | 16740             | 52.93            | -21.07            | 74                    | 58.94             | 38.93                   | 19.6              | 64.86                | 100            | 328               | P               | H          |
|                                      |                                                                                             | 16740             | 42.56            | -11.44            | 54                    | 48.57             | 38.93                   | 19.6              | 64.86                | 100            | 328               | A               | H          |
|                                      |                                                                                             | 11160             | 43.96            | -30.04            | 74                    | 54.66             | 38.97                   | 15.53             | 65.2                 | 100            | 0                 | P               | V          |
|                                      |                                                                                             | 16740             | 55.98            | -18.02            | 74                    | 61.99             | 38.93                   | 19.6              | 64.86                | 158            | 0                 | P               | V          |
|                                      |                                                                                             | 16740             | 46.28            | -7.72             | 54                    | 52.29             | 38.93                   | 19.6              | 64.86                | 158            | 0                 | A               | V          |
| 802.11n<br>HT20<br>CH 140<br>5700MHz |                                                                                             | 11400             | 46.54            | -27.46            | 74                    | 57.22             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | H          |
|                                      |                                                                                             | 17100             | 56.72            | -17.28            | 74                    | 60.17             | 40.84                   | 19.82             | 64.46                | 100            | 311               | P               | H          |
|                                      |                                                                                             | 17100             | 45.48            | -8.52             | 54                    | 48.93             | 40.84                   | 19.82             | 64.46                | 100            | 311               | A               | H          |
|                                      |                                                                                             | 11400             | 46.3             | -27.7             | 74                    | 57.26             | 38.64                   | 15.74             | 65.34                | 100            | 0                 | P               | V          |
|                                      |                                                                                             | 17100             | 59.42            | -14.58            | 74                    | 62.87             | 40.84                   | 19.82             | 64.46                | 193            | 0                 | P               | V          |
|                                      |                                                                                             | 17100             | 48.56            | -5.44             | 54                    | 52.01             | 40.84                   | 19.82             | 64.46                | 193            | 0                 | A               | V          |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI Ant. 1+2               | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-----------------------------|------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 102 5510MHz |      | 5453.92           | 56.18            | -17.82            | 74                    | 47.56               | 32.35                   | 9.29              | 33.02                | 347            | 12                | P                 | H            |
|                             |      | 5460.4            | 56.27            | -11.93            | 68.2                  | 47.65               | 32.35                   | 9.29              | 33.02                | 347            | 12                | P                 | H            |
|                             |      | 5459.44           | 48.94            | -5.06             | 54                    | 40.32               | 32.35                   | 9.29              | 33.02                | 347            | 12                | A                 | H            |
|                             | *    | 5510              | 108.14           | -                 | -                     | 99.41               | 32.4                    | 9.36              | 33.03                | 347            | 12                | P                 | H            |
|                             | *    | 5510              | 100.38           | -                 | -                     | 91.65               | 32.4                    | 9.36              | 33.03                | 347            | 12                | A                 | H            |
|                             |      | 5731.61           | 51.19            | -17.01            | 68.2                  | 41.58               | 32.94                   | 9.82              | 33.15                | 347            | 12                | P                 | H            |
|                             |      | 5454.88           | 51.03            | -22.97            | 74                    | 42.41               | 32.35                   | 9.29              | 33.02                | 350            | 111               | P                 | V            |
|                             |      | 5468.8            | 53.17            | -15.03            | 68.2                  | 44.51               | 32.37                   | 9.31              | 33.02                | 350            | 111               | P                 | V            |
|                             |      | 5459.92           | 43.74            | -10.26            | 54                    | 35.12               | 32.35                   | 9.29              | 33.02                | 350            | 111               | A                 | V            |
|                             | *    | 5510              | 101.59           | -                 | -                     | 92.86               | 32.4                    | 9.36              | 33.03                | 350            | 111               | P                 | V            |
|                             | *    | 5510              | 93.54            | -                 | -                     | 84.81               | 32.4                    | 9.36              | 33.03                | 350            | 111               | A                 | V            |
|                             |      | 5765              | 49.69            | -18.51            | 68.2                  | 39.91               | 33.02                   | 9.92              | 33.16                | 350            | 111               | P                 | V            |
| 802.11n HT40 CH 110 5550MHz |      | 5436.64           | 54.14            | -19.86            | 74                    | 45.56               | 32.33                   | 9.27              | 33.02                | 340            | 13                | P                 | H            |
|                             |      | 5437.36           | 45.92            | -8.08             | 54                    | 37.34               | 32.33                   | 9.27              | 33.02                | 340            | 13                | A                 | H            |
|                             | *    | 5550              | 107.82           | -                 | -                     | 98.94               | 32.52                   | 9.41              | 33.05                | 340            | 13                | P                 | H            |
|                             | *    | 5550              | 100.66           | -                 | -                     | 91.78               | 32.52                   | 9.41              | 33.05                | 340            | 13                | A                 | H            |
|                             |      | 5733.185          | 51.06            | -22.94            | 74                    | 41.45               | 32.94                   | 9.82              | 33.15                | 340            | 13                | P                 | H            |
|                             |      | 5726.57           | 44.87            | -9.13             | 54                    | 35.24               | 32.94                   | 9.82              | 33.13                | 340            | 13                | A                 | H            |
|                             |      | 5455.84           | 50.18            | -23.82            | 74                    | 41.56               | 32.35                   | 9.29              | 33.02                | 347            | 101               | P                 | V            |
|                             |      | 5467.6            | 42.83            | -11.17            | 54                    | 34.17               | 32.37                   | 9.31              | 33.02                | 347            | 101               | A                 | V            |
|                             | *    | 5550              | 100.17           | -                 | -                     | 91.29               | 32.52                   | 9.41              | 33.05                | 347            | 101               | P                 | V            |
|                             | *    | 5550              | 93.1             | -                 | -                     | 84.22               | 32.52                   | 9.41              | 33.05                | 347            | 101               | A                 | V            |
|                             |      | 5732.555          | 50.08            | -23.92            | 74                    | 40.47               | 32.94                   | 9.82              | 33.15                | 347            | 101               | P                 | V            |
|                             |      | 5742.95           | 42.45            | -11.55            | 54                    | 32.75               | 32.98                   | 9.87              | 33.15                | 347            | 101               | A                 | V            |



|                                                                              |                                                                                             |          |        |        |    |       |       |      |       |     |    |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|----|-------|-------|------|-------|-----|----|---|---|
| <b>802.11n</b><br><br><b>HT40</b><br><br><b>CH 134</b><br><br><b>5670MHz</b> |                                                                                             | 5390.95  | 49.75  | -24.25 | 74 | 41.28 | 32.28 | 9.21 | 33.02 | 383 | 21 | P | H |
|                                                                              |                                                                                             | 5469.7   | 41.66  | -12.34 | 54 | 33    | 32.37 | 9.31 | 33.02 | 383 | 21 | A | H |
|                                                                              | *                                                                                           | 5670     | 106.68 | -      | -  | 97.31 | 32.81 | 9.67 | 33.11 | 383 | 21 | P | H |
|                                                                              | *                                                                                           | 5670     | 99.28  | -      | -  | 89.91 | 32.81 | 9.67 | 33.11 | 383 | 21 | A | H |
|                                                                              |                                                                                             | 5737.175 | 53.51  | -20.49 | 74 | 43.81 | 32.98 | 9.87 | 33.15 | 383 | 21 | P | H |
|                                                                              |                                                                                             | 5728.075 | 47.26  | -6.74  | 54 | 37.63 | 32.94 | 9.82 | 33.13 | 383 | 21 | A | H |
|                                                                              |                                                                                             | 5438.55  | 49.3   | -24.7  | 74 | 40.72 | 32.33 | 9.27 | 33.02 | 316 | 96 | P | V |
|                                                                              |                                                                                             | 5470     | 41.17  | -12.83 | 54 | 32.51 | 32.37 | 9.31 | 33.02 | 316 | 96 | A | V |
|                                                                              | *                                                                                           | 5670     | 101.53 | -      | -  | 92.16 | 32.81 | 9.67 | 33.11 | 316 | 96 | P | V |
|                                                                              | *                                                                                           | 5670     | 93.69  | -      | -  | 84.32 | 32.81 | 9.67 | 33.11 | 316 | 96 | A | V |
|                                                                              |                                                                                             | 5727.2   | 50.85  | -23.15 | 74 | 41.22 | 32.94 | 9.82 | 33.13 | 316 | 96 | P | V |
|                                                                              |                                                                                             | 5725.975 | 44.43  | -9.57  | 54 | 34.8  | 32.94 | 9.82 | 33.13 | 316 | 96 | A | V |
| <b>Remark</b>                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |    |       |       |      |       |     |    |   |   |



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI Ant. 1+2       | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|---------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11n HT40 CH 102 |                                                                                             | 11020             | 46.44            | -27.56            | 74                    | 56.68               | 39.18                   | 15.4              | 65.11                | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 16530             | 48.18            | -20.02            | 68.2                  | 56.13               | 37.36                   | 19.46             | 65.07                | 100            | 0                 | P                 | H            |
| 5510MHz             |                                                                                             | 11020             | 46.21            | -27.79            | 74                    | 56.74               | 39.18                   | 15.4              | 65.11                | 100            | 0                 | P                 | V            |
|                     |                                                                                             | 16530             | 50.13            | -18.07            | 68.2                  | 58.08               | 37.36                   | 19.46             | 65.07                | 100            | 0                 | P                 | V            |
| 802.11n HT40 CH 110 |                                                                                             | 11100             | 46.59            | -27.41            | 74                    | 56.94               | 39.06                   | 15.46             | 65.16                | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 16650             | 49.81            | -24.19            | 74                    | 56.61               | 38.28                   | 19.55             | 64.94                | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 11100             | 45.56            | -28.44            | 74                    | 56.2                | 39.06                   | 15.46             | 65.16                | 100            | 0                 | P                 | V            |
|                     |                                                                                             | 16650             | 52.85            | -21.15            | 74                    | 59.65               | 38.28                   | 19.55             | 64.94                | 190            | 2                 | P                 | V            |
|                     |                                                                                             | 16650             | 42.74            | -11.26            | 54                    | 49.54               | 38.28                   | 19.55             | 64.94                | 190            | 2                 | A                 | V            |
| 802.11n HT40 CH 134 |                                                                                             | 11340             | 45.15            | -28.85            | 74                    | 55.74               | 38.73                   | 15.69             | 65.3                 | 100            | 0                 | P                 | H            |
|                     |                                                                                             | 17010             | 53.05            | -20.95            | 74                    | 56.61               | 40.89                   | 19.79             | 64.58                | 100            | 321               | P                 | H            |
|                     |                                                                                             | 17010             | 42.28            | -11.72            | 54                    | 45.84               | 40.89                   | 19.79             | 64.58                | 100            | 321               | A                 | H            |
|                     |                                                                                             | 11340             | 45.12            | -28.88            | 74                    | 56                  | 38.73                   | 15.69             | 65.3                 | 100            | 0                 | P                 | V            |
|                     |                                                                                             | 17010             | 52.35            | -21.65            | 74                    | 55.91               | 40.89                   | 19.79             | 64.58                | 111            | 9                 | P                 | V            |
|                     |                                                                                             | 17010             | 43.51            | -10.49            | 54                    | 47.07               | 40.89                   | 19.79             | 64.58                | 111            | 9                 | A                 | V            |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                   |              |



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI Ant. 1+2                 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|-------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ac VHT80 CH 106 5530MHz |                                                                                             | 5458.48           | 55.53            | -18.47            | 74                    | 46.91               | 32.35                   | 9.29              | 33.02                | 341            | 12                | P                 | H            |
|                               |                                                                                             | 5458.96           | 48.38            | -5.62             | 54                    | 39.76               | 32.35                   | 9.29              | 33.02                | 341            | 12                | A                 | H            |
|                               | *                                                                                           | 5530              | 100.93           | -                 | -                     | 92.15               | 32.44                   | 9.39              | 33.05                | 341            | 12                | P                 | H            |
|                               | *                                                                                           | 5530              | 93.59            | -                 | -                     | 84.81               | 32.44                   | 9.39              | 33.05                | 341            | 12                | A                 | H            |
|                               |                                                                                             | 5764.685          | 49.72            | -24.28            | 74                    | 39.94               | 33.02                   | 9.92              | 33.16                | 341            | 12                | P                 | H            |
|                               |                                                                                             | 5737.595          | 43.99            | -10.01            | 54                    | 34.29               | 32.98                   | 9.87              | 33.15                | 341            | 12                | A                 | H            |
|                               |                                                                                             | 5464.72           | 50.98            | -23.02            | 74                    | 42.34               | 32.37                   | 9.29              | 33.02                | 344            | 99                | P                 | V            |
|                               |                                                                                             | 5464.72           | 44.93            | -9.07             | 54                    | 36.29               | 32.37                   | 9.29              | 33.02                | 344            | 99                | A                 | V            |
|                               | *                                                                                           | 5530              | 94.22            | -                 | -                     | 85.44               | 32.44                   | 9.39              | 33.05                | 344            | 99                | P                 | V            |
|                               | *                                                                                           | 5530              | 86.17            | -                 | -                     | 77.39               | 32.44                   | 9.39              | 33.05                | 344            | 99                | A                 | V            |
|                               |                                                                                             | 5733.185          | 49.8             | -24.2             | 74                    | 40.19               | 32.94                   | 9.82              | 33.15                | 344            | 99                | P                 | V            |
|                               |                                                                                             | 5752.4            | 43.22            | -10.78            | 54                    | 33.48               | 33.02                   | 9.87              | 33.15                | 344            | 99                | A                 | V            |
| 802.11ac VHT80 CH 122 5610MHz |                                                                                             | 5464.48           | 52.26            | -21.74            | 74                    | 43.62               | 32.37                   | 9.29              | 33.02                | 351            | 348               | P                 | H            |
|                               |                                                                                             | 5459.68           | 44.9             | -9.1              | 54                    | 36.28               | 32.35                   | 9.29              | 33.02                | 351            | 348               | A                 | H            |
|                               | *                                                                                           | 5610              | 103.4            | -                 | -                     | 94.3                | 32.65                   | 9.53              | 33.08                | 351            | 348               | P                 | H            |
|                               | *                                                                                           | 5610              | 96.3             | -                 | -                     | 87.2                | 32.65                   | 9.53              | 33.08                | 351            | 348               | A                 | H            |
|                               |                                                                                             | 5735.25           | 53.63            | -20.37            | 74                    | 43.98               | 32.98                   | 9.82              | 33.15                | 351            | 348               | P                 | H            |
|                               |                                                                                             | 5742.775          | 47.18            | -6.82             | 54                    | 37.48               | 32.98                   | 9.87              | 33.15                | 351            | 348               | A                 | H            |
|                               |                                                                                             | 5458.24           | 50.18            | -23.82            | 74                    | 41.56               | 32.35                   | 9.29              | 33.02                | 319            | 81                | P                 | V            |
|                               |                                                                                             | 5450.32           | 43.18            | -10.82            | 54                    | 34.56               | 32.35                   | 9.29              | 33.02                | 319            | 81                | A                 | V            |
|                               | *                                                                                           | 5610              | 97.49            | -                 | -                     | 88.39               | 32.65                   | 9.53              | 33.08                | 319            | 81                | P                 | V            |
|                               | *                                                                                           | 5610              | 89.46            | -                 | -                     | 80.36               | 32.65                   | 9.53              | 33.08                | 319            | 81                | A                 | V            |
|                               | 5762.9                                                                                      | 51.38             | -22.62           | 74                | 41.6                  | 33.02               | 9.92                    | 33.16             | 319                  | 81             | P                 | V                 |              |
|                               | 5734.375                                                                                    | 44.69             | -9.31            | 54                | 35.08                 | 32.94               | 9.82                    | 33.15             | 319                  | 81             | A                 | V                 |              |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                   |                      |                |                   |                   |              |



**Band 3 5470~5725MHz**

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

| WIFI Ant. 1+2                 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80                |                                                                                             | 11060             | 45.17            | -28.83            | 74                    | 55.47             | 39.11                   | 15.44             | 65.14                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 16590             | 45.69            | -28.31            | 74                    | 53.12             | 37.76                   | 19.52             | 65.01                | 100            | 0                 | P               | H          |
| CH 106 5530MHz                |                                                                                             | 11060             | 45.45            | -28.55            | 74                    | 56.04             | 39.11                   | 15.44             | 65.14                | 100            | 0                 | P               | V          |
|                               |                                                                                             | 16590             | 46.74            | -27.26            | 74                    | 54.17             | 37.76                   | 19.52             | 65.01                | 100            | 0                 | P               | V          |
| 802.11ac VHT80 CH 122 5610MHz |                                                                                             | 11220             | 45.75            | -28.25            | 74                    | 56.21             | 38.9                    | 15.58             | 65.23                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 16830             | 46.85            | -27.15            | 74                    | 52.02             | 39.59                   | 19.68             | 64.77                | 100            | 0                 | P               | H          |
|                               |                                                                                             | 11220             | 47.47            | -26.53            | 74                    | 58.22             | 38.9                    | 15.58             | 65.23                | 100            | 0                 | P               | V          |
|                               |                                                                                             | 16830             | 48.1             | -25.9             | 74                    | 53.27             | 39.59                   | 19.68             | 64.77                | 100            | 0                 | P               | V          |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                                                             |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 144<br>5720MHz | *                                                                                           | 5720      | 111.76     | -      | -          | 102.13   | 32.94    | 9.82   | 33.13  | 343    | 360     | P       | H       |
|                              | *                                                                                           | 5720      | 103.54     | -      | -          | 93.91    | 32.94    | 9.82   | 33.13  | 343    | 360     | A       | H       |
|                              | *                                                                                           | 5720      | 103.27     | -      | -          | 93.64    | 32.94    | 9.82   | 33.13  | 301    | 91      | P       | V       |
|                              | *                                                                                           | 5720      | 95.04      | -      | -          | 85.41    | 32.94    | 9.82   | 33.13  | 301    | 91      | A       | V       |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



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

| WIFI Ant. 1+2                         | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 11440             | 44.84            | -29.16            | 74                    | 55.57             | 38.59                   | 15.76             | 65.36                | 100            | 0                 | P               | H          |
|                                       |                                                                                             | 17160             | 54.31            | -19.69            | 74                    | 57.69             | 40.8                    | 19.84             | 64.37                | 329            | 20                | P               | H          |
|                                       |                                                                                             | 17160             | 44.79            | -9.21             | 54                    | 48.17             | 40.8                    | 19.84             | 64.37                | 329            | 20                | A               | H          |
|                                       |                                                                                             | 11440             | 45.48            | -28.52            | 74                    | 56.49             | 38.59                   | 15.76             | 65.36                | 100            | 0                 | P               | V          |
|                                       |                                                                                             | 17160             | 57.04            | -16.96            | 74                    | 60.42             | 40.8                    | 19.84             | 64.37                | 115            | 0                 | P               | V          |
|                                       |                                                                                             | 17160             | 47.27            | -6.73             | 54                    | 50.65             | 40.8                    | 19.84             | 64.37                | 115            | 0                 | A               | V          |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |





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

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11n HT20 and CH 144 5720MHz, and a Remark section.



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

| WIFI Ant. 1+2                      | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|----------------------|----------------|-------------------|-----------------|------------|
| <b>802.11n HT20 CH 144 5720MHz</b> |                                                                                             | 11440             | 45.33            | -28.67            | 74                    | 56.06             | 38.59                   | 15.76             | 65.36                | 100            | 0                 | P               | H          |
|                                    |                                                                                             | 17160             | 52.39            | -21.61            | 74                    | 55.77             | 40.8                    | 19.84             | 64.37                | 100            | 318               | P               | H          |
|                                    |                                                                                             | 17160             | 42.33            | -11.67            | 54                    | 45.71             | 40.8                    | 19.84             | 64.37                | 100            | 318               | A               | H          |
|                                    |                                                                                             | 11440             | 44.93            | -29.07            | 74                    | 55.94             | 38.59                   | 15.76             | 65.36                | 100            | 0                 | P               | V          |
|                                    |                                                                                             | 17160             | 54.39            | -19.61            | 74                    | 57.77             | 40.8                    | 19.84             | 64.37                | 100            | 347               | P               | V          |
|                                    |                                                                                             | 17160             | 44.09            | -9.91             | 54                    | 47.47             | 40.8                    | 19.84             | 64.37                | 100            | 347               | A               | V          |
| <b>Remark</b>                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                   |                      |                |                   |                 |            |



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

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11n, HT40, CH 142, 5710MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test data for 802.11n HT40 CH 142 5710MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac, VHT80, CH 138, 5690MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Cable Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include 802.11ac VHT80 and 5690MHz channels with their respective test results.

- Remark
1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

| WIFI                  | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                  |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>LF |                                                                            | 71.31     | 21.34      | -18.66 | 40         | 40.38    | 12.37    | 1.06   | 32.49  | -      | -       | P       | H       |
|                       |                                                                            | 255.45    | 25.33      | -20.67 | 46         | 36.42    | 19.18    | 2.04   | 32.38  | -      | -       | P       | H       |
|                       |                                                                            | 271.92    | 25.8       | -20.2  | 46         | 36.88    | 19.18    | 2.04   | 32.38  | -      | -       | P       | H       |
|                       |                                                                            | 738.2     | 29.8       | -16.2  | 46         | 30.67    | 27.95    | 3.41   | 32.36  | -      | -       | P       | H       |
|                       |                                                                            | 856.5     | 32.45      | -13.55 | 46         | 31.19    | 29.33    | 3.67   | 31.89  | -      | -       | P       | H       |
|                       |                                                                            | 941.9     | 33.83      | -12.17 | 46         | 30.66    | 30.45    | 3.82   | 31.27  | 100    | 0       | P       | H       |
|                       |                                                                            | 38.1      | 32.23      | -7.77  | 40         | 43.7     | 20.33    | 0.68   | 32.49  | 100    | 0       | P       | V       |
|                       |                                                                            | 59.97     | 28.21      | -11.79 | 40         | 47.92    | 11.7     | 1.06   | 32.49  | -      | -       | P       | V       |
|                       |                                                                            | 98.31     | 24.27      | -19.23 | 43.5       | 39.67    | 15.79    | 1.27   | 32.48  | -      | -       | P       | V       |
|                       |                                                                            | 610.1     | 29.13      | -16.87 | 46         | 32.56    | 25.85    | 3.09   | 32.46  | -      | -       | P       | V       |
|                       |                                                                            | 909       | 32.61      | -13.39 | 46         | 30.9     | 29.33    | 3.8    | 31.58  | -      | -       | P       | V       |
|                       |                                                                            | 949.6     | 34.14      | -11.86 | 46         | 30.58    | 30.77    | 3.82   | 31.2   | -      | -       | P       | V       |
| Remark                | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



**Note symbol**

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





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

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

- Level(dBμV/m) =  
Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

- Level(dBμV/m)  
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
- 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 : | J.C. Liang, Jacky Hung and Ken Wu | Temperature :       | 20~23°C |
|                 |                                   | Relative Humidity : | 58~63%  |

### Note symbol

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



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

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                               |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH36 5180MHz                                                                                                                                                                                             |                                                                                                                                                                                                               |
| 1           | Horizontal                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                   |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.0100KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>    | <b>Left blank</b>                                                                                                                                                                                             |

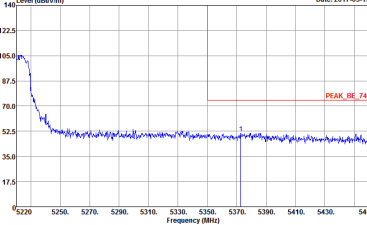
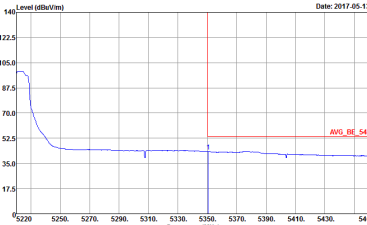


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                               |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH36 5180MHz                                                                                                                                                                                             |                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                   |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank                                                                                                                                                                                                    |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                           |                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH44 5220MHz - L                                                                                                                                                                     |                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                                                                   | Fundamental                                                                                                                                           |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>                                      | Left blank                                                                                                                                            |

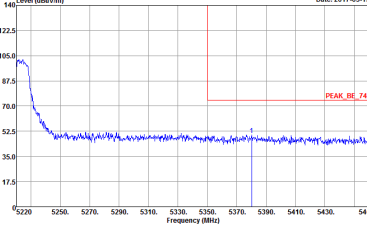
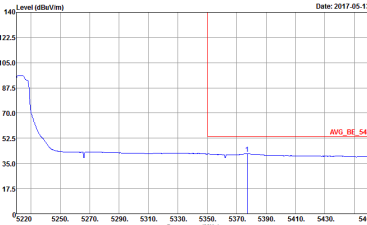


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                          |                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                    |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |



| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                     |                                                                                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH44 5220MHz - L                                                                                                                               |                                                                                                                                                     |
| 1           | Vertical                                                                                                                                               | Fundamental                                                                                                                                         |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                   |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                        |                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11a CH44 5220MHz - R                                                                                                                                                                                                                  |                   |
| 1                  | Vertical                                                                                                                                                                                                                                  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |





| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                       |                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH48 5240MHz - L                                                                                                                                 |                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                               | Fundamental                                                                                                                                           |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank                                                                                                                                            |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                       |                   |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11a CH48 5240MHz - R                                                                                                                                 |                   |
| 1                  | Horizontal                                                                                                                                               | Fundamental       |
| <p><b>Peak</b></p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |



| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                         |                                                                                                                                                                                         |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH48 5240MHz - L                                                                                                                                                                   |                                                                                                                                                                                         |
| 1           | Vertical                                                                                                                                                                                   | Fundamental                                                                                                                                                                             |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                                                       |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                     |                   |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11a CH48 5240MHz - R                                                                                                                               |                   |
| 1                  | Vertical                                                                                                                                               | Fundamental       |
| <p><b>Peak</b></p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |



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

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                       |                                                                                                                                                       |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH36 5180MHz                                                                                                                                |                                                                                                                                                       |
| 1           | Horizontal                                                                                                                                               | Fundamental                                                                                                                                           |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                     |

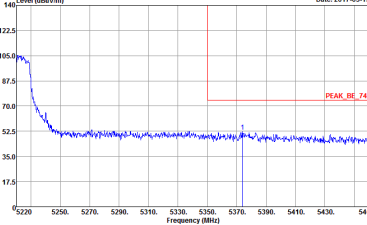
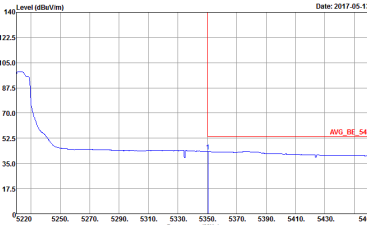


| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                         |                                                                                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH36 5180MHz                                                                                                                                                                  |                                                                                                                                                     |
| 1           | Vertical                                                                                                                                                                                   | Fundamental                                                                                                                                         |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>                                      | <b>Left blank</b>                                                                                                                                   |



| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                           |                                                                                                                                                       |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                                |                                                                                                                                                       |
| 1           | Horizontal                                                                                                                                                                                   | Fundamental                                                                                                                                           |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>                                      | <b>Left blank</b>                                                                                                                                     |



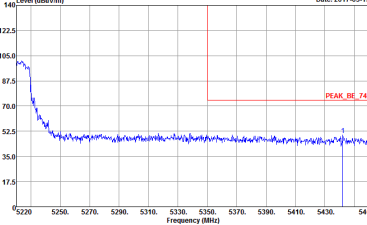
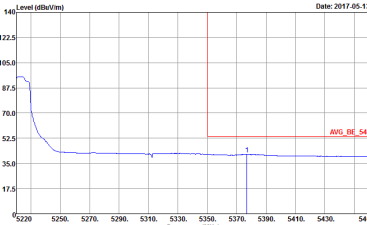
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                          |                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                               |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |





| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                         |                                                                                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH44 5220MHz - L                                                                                                                                                              |                                                                                                                                                     |
| 1           | Vertical                                                                                                                                                                                   | Fundamental                                                                                                                                         |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>                                      | <b>Left blank</b>                                                                                                                                   |

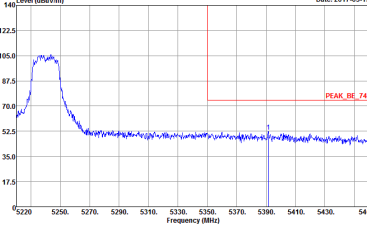
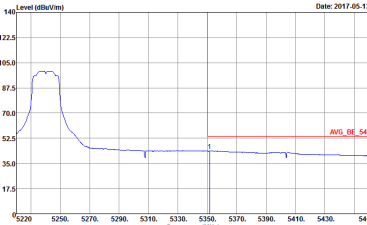


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                                                |                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT20 CH44 5220MHz - R                                                                                                                                                                                                                                                                     |                   |
| 1                  | Vertical                                                                                                                                                                                                                                                                                          | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |



| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                           |                                                                                                                                                       |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH48 5240MHz - L                                                                                                                                                                |                                                                                                                                                       |
| 1           | Horizontal                                                                                                                                                                                   | Fundamental                                                                                                                                           |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>                                      | <b>Left blank</b>                                                                                                                                     |

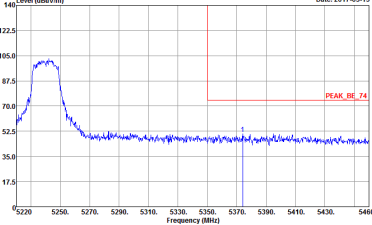
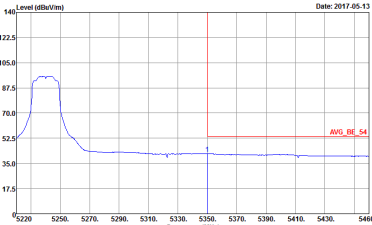


| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | Left blank  |



| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                     |                                                                                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH48 5240MHz - L                                                                                                                          |                                                                                                                                                     |
| 1           | Vertical                                                                                                                                               | Fundamental                                                                                                                                         |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                   |



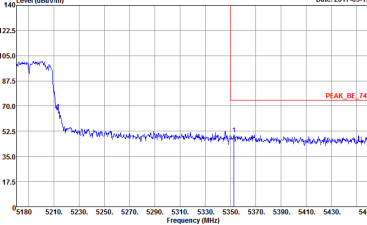
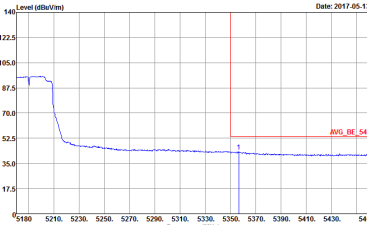
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                        |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH48 5240MHz - R                                                                                                                                                                                                             |             |
| 1    | Vertical                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> | Left blank  |



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

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                   |                                                                                                                                                                                   |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                        |                                                                                                                                                                                   |
| 1           | Horizontal                                                                                                                                                                           | Fundamental                                                                                                                                                                       |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 12</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 12</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 12</p>  | <b>Left blank</b>                                                                                                                                                                 |



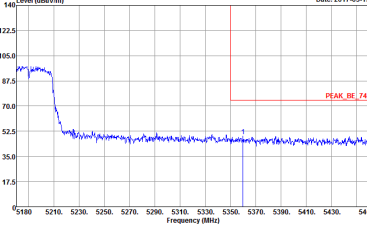
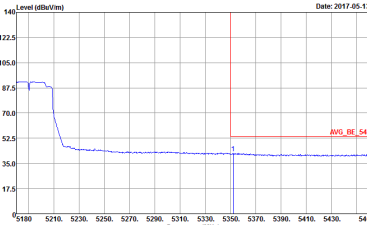
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                      |                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                                           |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                                              | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 12</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 12</p> | <p>Left blank</p> |





| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                  |                                                                                                                                                                                  |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH38 5190MHz - L                                                                                                                                                       |                                                                                                                                                                                  |
| 1    | Vertical                                                                                                                                                                            | Fundamental                                                                                                                                                                      |
| Peak | <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 12</p> | <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 12</p> |
| Avg. | <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 12</p>  | Left blank                                                                                                                                                                       |

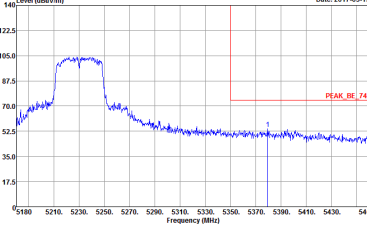
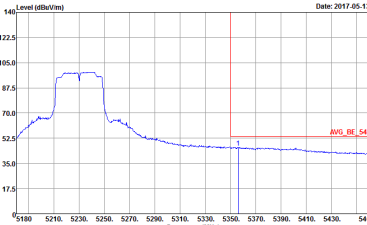


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH38 5190MHz - R                                                                                                                                                                                                                                         |                   |
| 1                  | Vertical                                                                                                                                                                                                                                                              | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 12</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 12</p> | <p>Left blank</p> |



| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             |
| 1           | Horizontal                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                 |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p>     | <b>Left blank</b>                                                                                                                                                                                                                           |

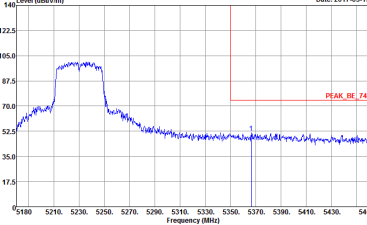
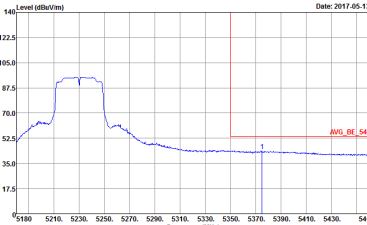


| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                        |                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                             |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                                                | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p> | <p>Left blank</p> |



| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH46 5230MHz - L                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             |
| 1    | Vertical                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                 |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p>  | Left blank                                                                                                                                                                                                                                  |



| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                      |                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH46 5230MHz - R                                                                                                                                                                                                                                           |                   |
| 1                  | Vertical                                                                                                                                                                                                                                                                | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 14.5</p> | <p>Left blank</p> |



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

| WIFI        | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                    |                                                                                                                                                                                    |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                       |                                                                                                                                                                                    |
| 1           | Horizontal                                                                                                                                                                            | Fundamental                                                                                                                                                                        |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p>  | <b>Left blank</b>                                                                                                                                                                  |



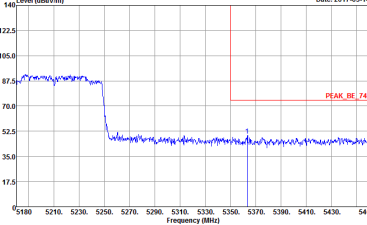
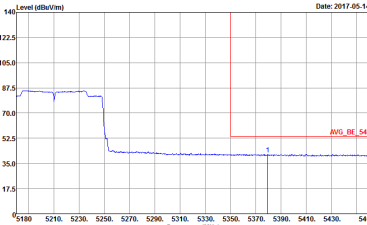
| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                              |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                 |             |
| 1    | Horizontal                                                                                                                                                                                                                                      | Fundamental |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> | Left blank  |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p>     | Left blank  |





| WIFI | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                  |                                                                                                                                                                                  |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH42 5210MHz - L                                                                                                                                                     |                                                                                                                                                                                  |
| 1    | Vertical                                                                                                                                                                            | Fundamental                                                                                                                                                                      |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p>  | Left blank                                                                                                                                                                       |



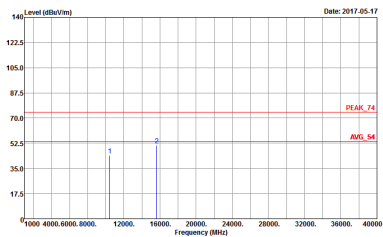
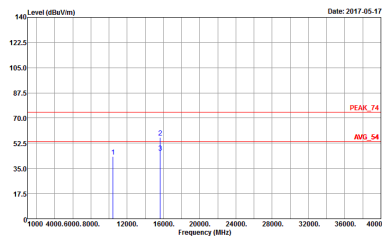
| WIFI               | Band 1 5150~5250MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                   |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11ac VHT80 CH42 5210MHz - R                                                                                                                                                                                                                                        |                   |
| 1                  | Vertical                                                                                                                                                                                                                                                               | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> | <p>Left blank</p> |



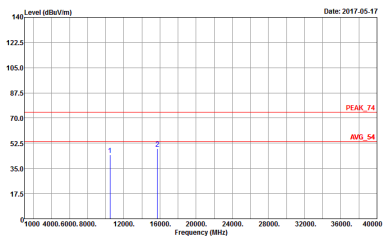
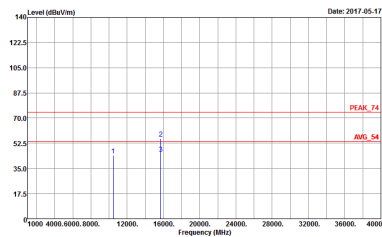
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

|                            |                                                                                                                                                        |                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WIFI</b>                | <b>Band 1 5150~5250MHz Harmonic @ 3m</b>                                                                                                               |                                                                                                                                                      |
| <b>ANT</b>                 | <b>802.11a CH36 5180MHz</b>                                                                                                                            |                                                                                                                                                      |
| <b>1</b>                   | <b>Horizontal</b>                                                                                                                                      | <b>Vertical</b>                                                                                                                                      |
| <b>Peak</b><br><b>Avg.</b> | <p>Site : 03CH11-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> | <p>Site : 03CH11-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11a CH44 5220MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



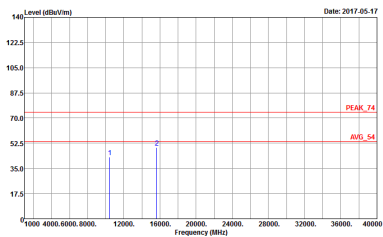
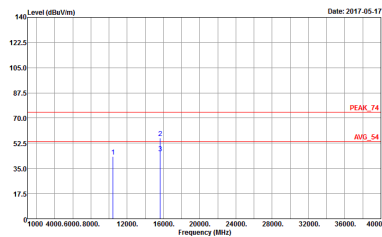
|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11a CH48 5240MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



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

| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                            |                                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH36 5180MHz                                                                                                                                    |                                                                                                                                                            |
| 1                              | Horizontal                                                                                                                                                   | Vertical                                                                                                                                                   |
| <b>Peak</b><br><br><b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |



|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11n HT20 CH44 5220MHz                                                                                                                                                                                                                 |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



| WIFI         | Band 1 5150~5250MHz Harmonic @ 3m                                                                                            |                                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH48 5240MHz                                                                                                    |                                                                                                                            |
| 1            | Horizontal                                                                                                                   | Vertical                                                                                                                   |
| Peak<br>Avg. | <p>Site : 03CH11-11Y<br/>Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>Detector : Peak<br/>Project : 742622</p> | <p>Site : 03CH11-11Y<br/>Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>Detector : Peak<br/>Project : 742622</p> |

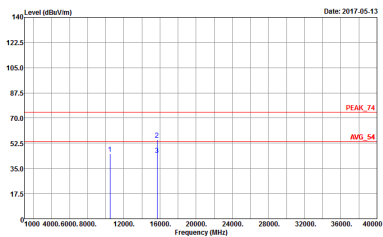
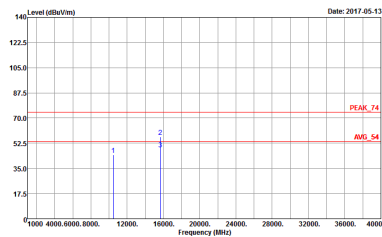




**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                      |                                                                                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH38 5190MHz                                                                                                                              |                                                                                                                                                      |
| 1                              | Horizontal                                                                                                                                             | Vertical                                                                                                                                             |
| <b>Peak</b><br><br><b>Avg.</b> | <p>Site : 03CH11-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> | <p>Site : 03CH11-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11n HT40 CH46 5230MHz                                                                                                                                                                                                                 |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



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

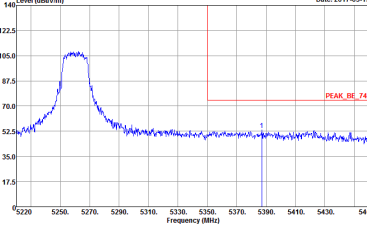
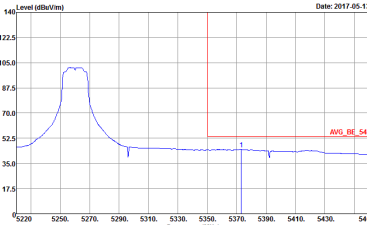
| WIFI                           | Band 1 5150~5250MHz Harmonic @ 3m                                                                                                                                                         |                                                                                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT80 CH42 5210MHz                                                                                                                                                               |                                                                                                                                                                                         |
| 1                              | Horizontal                                                                                                                                                                                | Vertical                                                                                                                                                                                |
| <b>Peak</b><br><br><b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 9.5</p> |



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

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                       |                                                                                                                                                       |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH52 5260MHz - L                                                                                                                                 |                                                                                                                                                       |
| 1           | Horizontal                                                                                                                                               | Fundamental                                                                                                                                           |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                     |



| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                    |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |

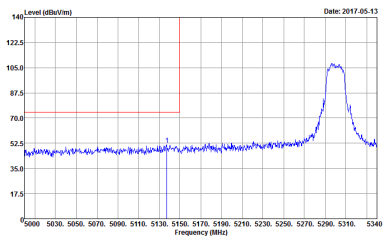
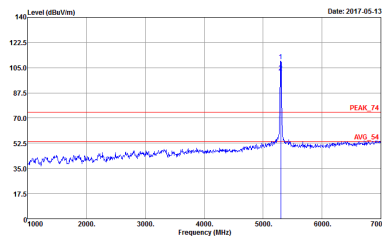
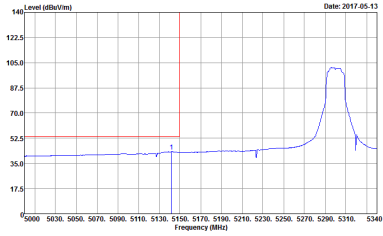


| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                         |                                                                                                                                                                                         |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH52 5260MHz - L                                                                                                                                                                   |                                                                                                                                                                                         |
| 1           | Vertical                                                                                                                                                                                   | Fundamental                                                                                                                                                                             |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                                                       |



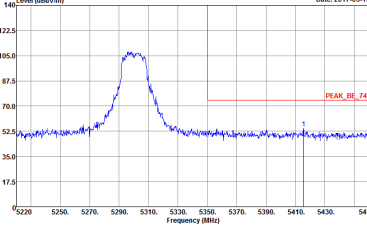
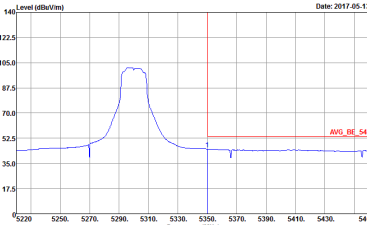
| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m |                   |
|--------------------|------------------------------------|-------------------|
| ANT                | 802.11a CH52 5260MHz - R           |                   |
| 1                  | Vertical                           | Fundamental       |
| <p><b>Peak</b></p> |                                    | <p>Left blank</p> |
| <p><b>Avg.</b></p> |                                    | <p>Left blank</p> |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                          |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | Left blank                                                                                                                                                                                                                               |





| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                                    |             |
| 1    | Horizontal                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | Left blank  |

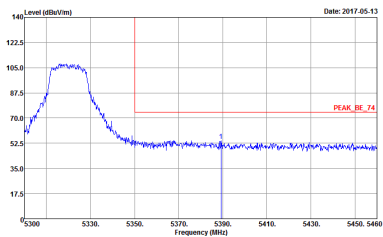
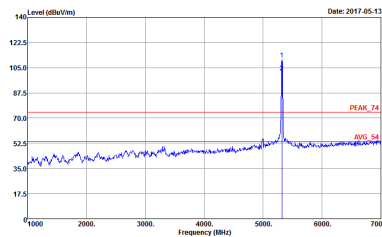
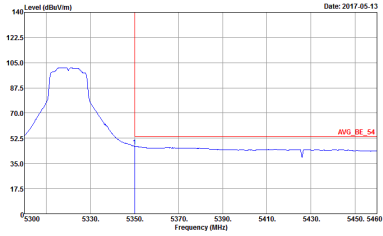


| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                               |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH60 5300MHz - L                                                                                                                                                                                         |                                                                                                                                                                                                               |
| 1           | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                   |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                                                                             |



| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m |                   |
|--------------------|------------------------------------|-------------------|
| ANT                | 802.11a CH60 5300MHz - R           |                   |
| 1                  | Vertical                           | Fundamental       |
| <p><b>Peak</b></p> |                                    | <p>Left blank</p> |
| <p><b>Avg.</b></p> |                                    | <p>Left blank</p> |



| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                          |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                | 802.11a CH64 5320MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                          |
| 1                  | Horizontal                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                              |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p><b>Left blank</b></p>                                                                                                                                                                                                                 |



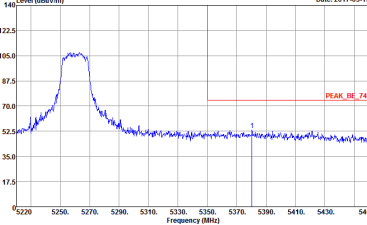
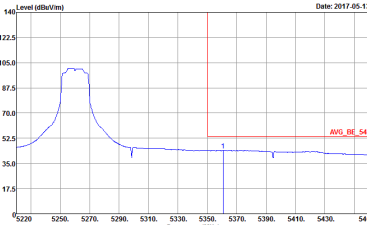
| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                               |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH64 5320MHz                                                                                                                                                                                             |                                                                                                                                                                                                               |
| 1           | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                   |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                                                                             |



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

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                      |                                                                                                                      |
|-------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH52 5260MHz - L                                                                                           |                                                                                                                      |
| 1           | Horizontal                                                                                                              | Fundamental                                                                                                          |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 742622</p> | <p>Site : 03CH11-HY<br/>Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 742622</p>  | <b>Left blank</b>                                                                                                    |



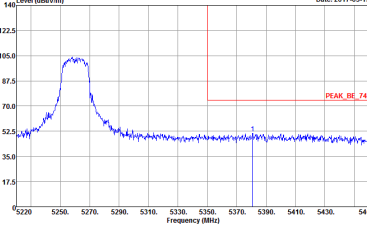
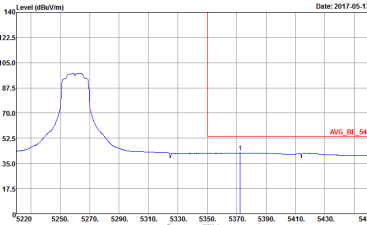
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                               |             |
| 1    | Horizontal                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | Left blank  |



| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                     |                                                                                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH52 5260MHz - L                                                                                                                          |                                                                                                                                                     |
| 1           | Vertical                                                                                                                                               | Fundamental                                                                                                                                         |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                   |



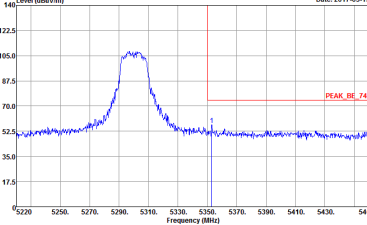
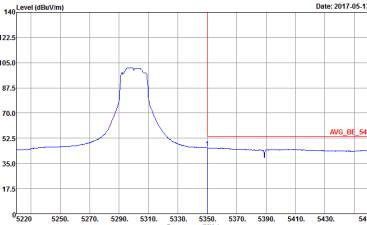


| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                        |                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT20 CH52 5260MHz - R                                                                                                                                                                                                             |                   |
| 1                  | Vertical                                                                                                                                                                                                                                  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                       |                                                                                                                                                       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                            |                                                                                                                                                       |
| 1    | Horizontal                                                                                                                                               | Fundamental                                                                                                                                           |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank                                                                                                                                            |

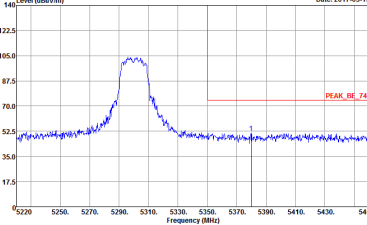
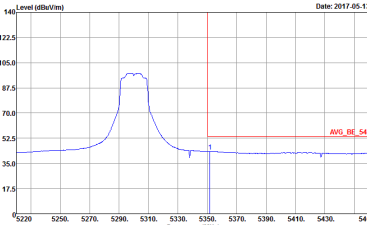


| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                               |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                  | Vertical          |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                         |                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH60 5300MHz - L                                                                                                                                                              |                                                                                                                                                     |
| 1    | Vertical                                                                                                                                                                                   | Fundamental                                                                                                                                         |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p>                                      | Left blank                                                                                                                                          |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11n HT20 CH60 5300MHz - R                                                                                                                                                                                                                                                                     |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                          | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | Left blank  |



| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                 |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                          |                                                                                                                                                                                                                 |
| 1           | Horizontal                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                     |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                                                                               |



| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                               |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                        |                                                                                                                                                                                                               |
| 1           | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                   |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                                                                             |

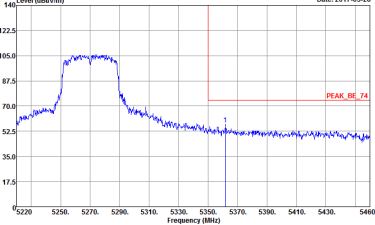
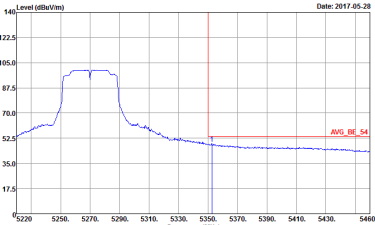


**Band 2 5250~5350MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                       |                                                                                                                                       |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH54 5270 MHz - L                                                                                                           |                                                                                                                                       |
| 1           | Horizontal                                                                                                                               | Fundamental                                                                                                                           |
| <b>Peak</b> | <p>Site : 03CHI1-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 15</p> | <p>Site : 03CHI1-HY<br/>Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 15</p> |
| <b>Avg.</b> | <p>Site : 03CHI1-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 15</p>  | <b>Left blank</b>                                                                                                                     |



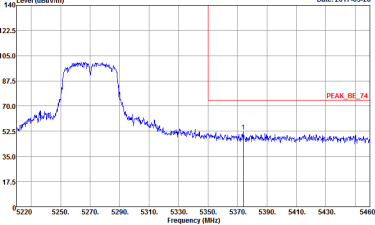
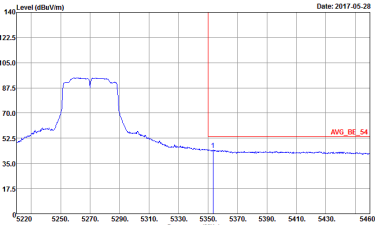


| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                      |                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH54 5270 MHz - R                                                                                                                                                                                                                                          |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                                              | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p> | <p>Left blank</p> |



| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                          |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11n HT40 CH54 5270 MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                          |
| 1           | Vertical                                                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                                                 |
| <b>Peak</b> | <p>Site : 03CH11-1HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p> | <p>Site : 03CH11-1HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p> |
| <b>Avg.</b> | <p>Site : 03CH11-1HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p>     | <b>Left blank</b>                                                                                                                                                                                                                        |

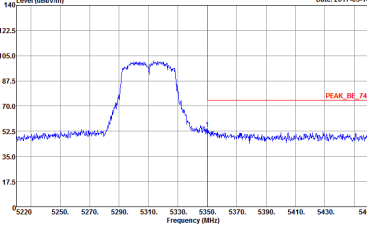
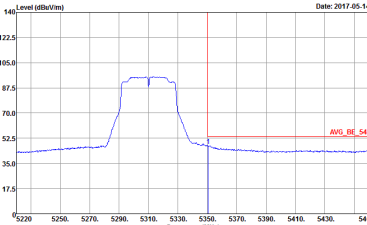


| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH54 5270 MHz - R                                                                                                                                                                                                                                        |                   |
| 1                  | Vertical                                                                                                                                                                                                                                                              | Vertical          |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p> | <p>Left blank</p> |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                     |                                                                                                                                                                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 MHz - L                                                                                                                                                         |                                                                                                                                                                                     |
| 1    | Horizontal                                                                                                                                                                             | Fundamental                                                                                                                                                                         |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p>  | Left blank                                                                                                                                                                          |

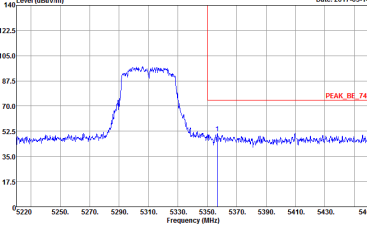
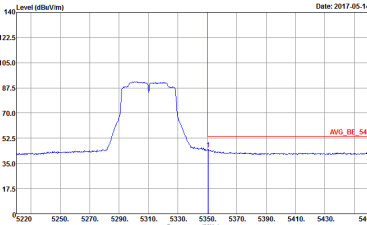


| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                 |                   |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH62 5310 MHz - R                                                                                                                                                                                                                                                                                                     |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                                                                                                         | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p>   | <p>Left blank</p> |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                   |                                                                                                                                                                                   |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH62 5310 MHz - L                                                                                                                                                       |                                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                                             | Fundamental                                                                                                                                                                       |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p>  | Left blank                                                                                                                                                                        |



| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                      |                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11n HT40 CH62 5310 MHz - R                                                                                                                                                                                                                                          |                   |
| 1                  | Vertical                                                                                                                                                                                                                                                                | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11.5</p> | <p>Left blank</p> |

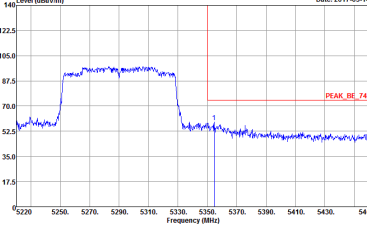
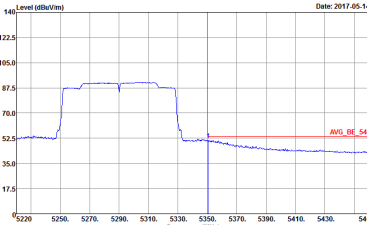


**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                                                                              |                                                                                                                                                                                                                                           |
| 1           | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                               |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p>     | <b>Left blank</b>                                                                                                                                                                                                                         |



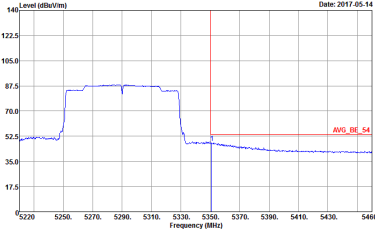


| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                               |                   |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                                                                                                  |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                                                                                                       | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p> | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           : RBW:1000.000KHz VBW:3.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p>   | <p>Left blank</p> |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                 |                                                                                                                                                                                 |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH58 5290MHz - L                                                                                                                                                    |                                                                                                                                                                                 |
| 1    | Vertical                                                                                                                                                                           | Fundamental                                                                                                                                                                     |
| Peak | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p> |
| Avg. | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p>  | Left blank                                                                                                                                                                      |



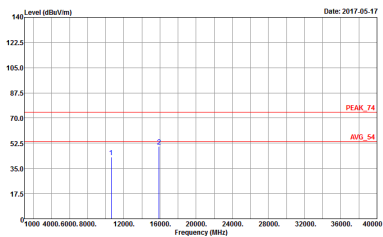
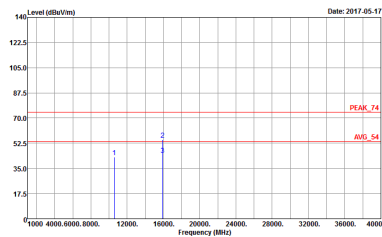
| WIFI               | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11ac VHT80 CH58 5290MHz - R                                                                                                                                                                                                                                       |                   |
| 1                  | Vertical                                                                                                                                                                                                                                                              | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 11</p> | <p>Left blank</p> |



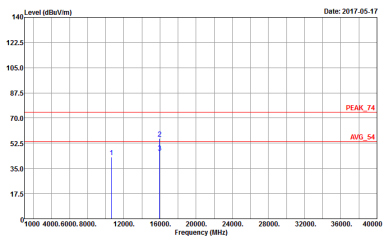
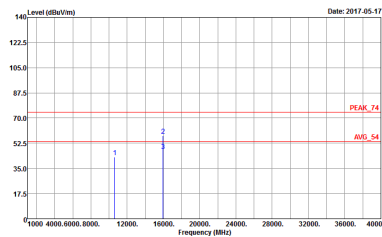
**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

|                            |                                                                                                                                                        |                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WIFI</b>                | <b>Band 2 5250~5350MHz Harmonic @ 3m</b>                                                                                                               |                                                                                                                                                      |
| <b>ANT</b>                 | <b>802.11a CH52 5260MHz</b>                                                                                                                            |                                                                                                                                                      |
| <b>1</b>                   | <b>Horizontal</b>                                                                                                                                      | <b>Vertical</b>                                                                                                                                      |
| <b>Peak</b><br><b>Avg.</b> | <p>Site : 03CH11-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> | <p>Site : 03CH11-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11a CH60 5300MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



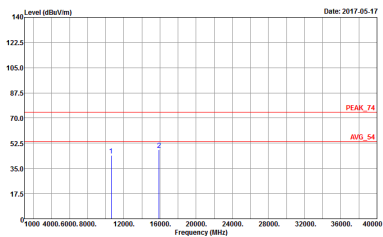
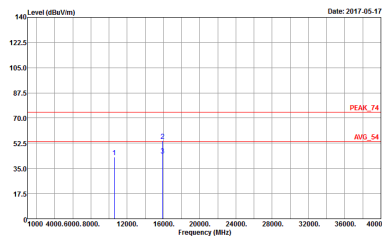
|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11a CH64 5320MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



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

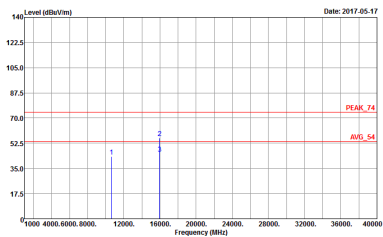
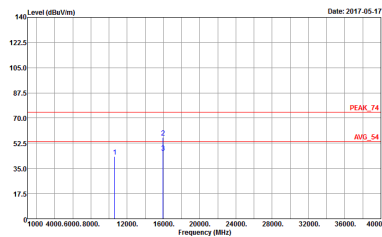
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                            |                                                                                                                                                            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH52 5260MHz                                                                                                                                    |                                                                                                                                                            |
| 1            | Horizontal                                                                                                                                                   | Vertical                                                                                                                                                   |
| Peak<br>Avg. | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
|              |                                                                                                                                                              |                                                                                                                                                            |



|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11n HT20 CH60 5300MHz                                                                                                                                                                                                                 |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |





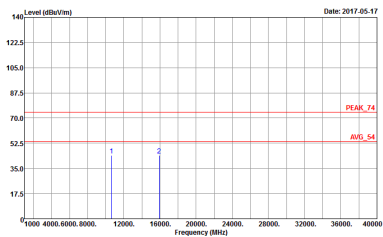
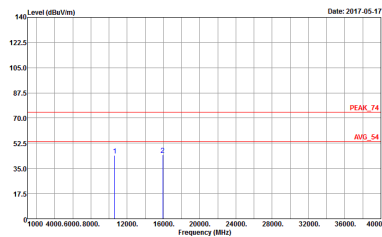
|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI                    | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
| ANT                     | 802.11n HT20 CH64 5320MHz                                                                                                                                                                                                                 |                                                                                                                                                                                                                                          |
| 1                       | Horizontal                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                 |
| <p>Peak</p> <p>Avg.</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622</p> |  <p>Site : 03CH11-11Y<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622</p> |



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

| WIFI                           | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                        |                                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH54 5270MHz                                                                                                                                                                |                                                                                                                                                                                        |
| 1                              | Horizontal                                                                                                                                                                               | Vertical                                                                                                                                                                               |
| <b>Peak</b><br><br><b>Avg.</b> | <p>Site : 03CHI1-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p> | <p>Site : 03CHI1-HY<br/>           Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>           Detector : Peak<br/>           Project : 742622<br/>           Setting : 15</p> |



|              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
| ANT          | 802.11n HT40 CH62 5310 MHz                                                                                                                                                                                                        |                                                                                                                                                                                                                                  |
| 1            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. |  <p>Site : 03CH11-14Y<br/>Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 11.5</p> |  <p>Site : 03CH11-14Y<br/>Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>Detector : Peak<br/>Project : 742622<br/>Setting : 11.5</p> |



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

| WIFI                           | Band 2 5250~5350MHz Harmonic @ 3m                                                                                                                                                |                                                                                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT80 CH58 5290MHz                                                                                                                                                      |                                                                                                                                                                                |
| 1                              | Horizontal                                                                                                                                                                       | Vertical                                                                                                                                                                       |
| <b>Peak</b><br><br><b>Avg.</b> | <p>Site : 03CHI1-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL<br/>         Detector : Peak<br/>         Project : 742622<br/>         Setting : 11</p> | <p>Site : 03CHI1-HY<br/>         Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL<br/>         Detector : Peak<br/>         Project : 742622<br/>         Setting : 11</p> |



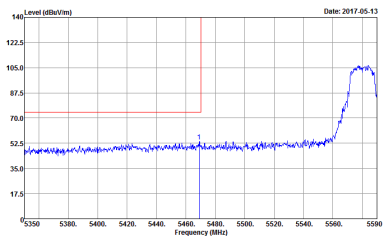
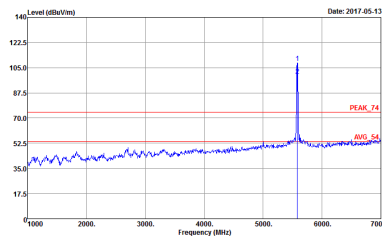
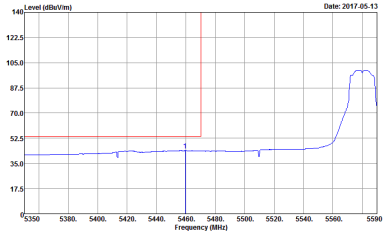
**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                               |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH100 5500MHz                                                                                                                                                                                            |                                                                                                                                                                                                               |
| 1           | Horizontal                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                   |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AV6_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           RBW:1000.000KHz VBW:0.0100KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>    | <b>Left blank</b>                                                                                                                                                                                             |

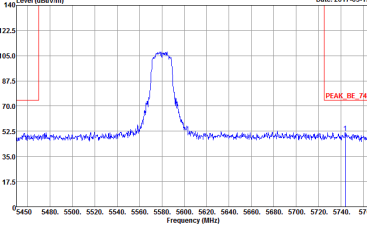
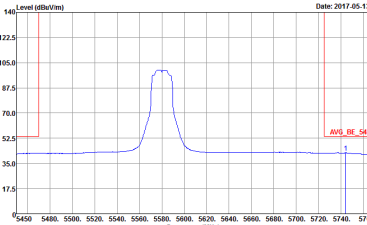


| WIFI        | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                               |                                                                                                                                                                                                               |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT         | 802.11a CH100 5500MHz                                                                                                                                                                                            |                                                                                                                                                                                                               |
| 1           | Vertical                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                   |
| <b>Peak</b> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <b>Avg.</b> | <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 742622</p>  | <b>Left blank</b>                                                                                                                                                                                             |



| WIFI               | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                          |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                | 802.11a CH16 5580MHz - L                                                                                                                                                                                                                    |                                                                                                                                                                                                                                          |
| 1                  | Horizontal                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                              |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p><b>Left blank</b></p>                                                                                                                                                                                                                 |



| WIFI               | Band 3 5470~5725MHz Band Edge @ 3m                                                                                                                                                                                                          |                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ANT                | 802.11a CH116 5580MHz - R                                                                                                                                                                                                                   |                   |
| 1                  | Horizontal                                                                                                                                                                                                                                  | Fundamental       |
| <p><b>Peak</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p>  | <p>Left blank</p> |
| <p><b>Avg.</b></p> |  <p>Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 742622</p> | <p>Left blank</p> |