



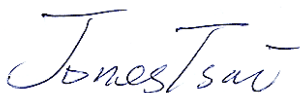
# FCC RADIO TEST REPORT

FCC ID : 2AG7G-C1A  
Equipment : Plume PowerPod  
Brand Name : Plume Design Inc  
Model Name : C1A  
Applicant : Plume Design Inc  
290 S California Ave, Suite 200, Palo Alto, CA 94306, USA  
Manufacturer : Plume Design Inc  
290 S California Ave, Suite 200, Palo Alto, CA 94306, USA  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 28, 2019 and testing was started from Jan. 30, 2019 and completed on Apr. 09, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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



Approved by: Jones Tsai

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

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



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## History of this test report

| Report No. | Version | Description             | Issued Date  |
|------------|---------|-------------------------|--------------|
| FR912813E  | 01      | Initial issue of report | May 14, 2019 |
|            |         |                         |              |
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## Summary of Test Result

| Report Clause | Ref Std. Clause     | Test Items                             | Result (PASS/FAIL) | Remark                                    |
|---------------|---------------------|----------------------------------------|--------------------|-------------------------------------------|
| 3.1           | 15.403(i)           | 26dB Bandwidth                         | Pass               | -                                         |
| 3.1           | 2.1049              | 99% Occupied Bandwidth                 | Reporting only     | -                                         |
| 3.2           | 15.407(a)           | Maximum Conducted Output Power         | Pass               | -                                         |
| 3.3           | 15.407(a)           | Power Spectral Density                 | Pass               | -                                         |
| 3.4           | 15.407(b)           | Unwanted Emissions                     | Pass               | Under limit<br>1.01 dB at<br>5729.400 MHz |
| 3.5           | 15.207              | AC Conducted Emission                  | Pass               | Under limit<br>12.51 dB at<br>0.641 MHz   |
| 3.6           | 15.407(c)           | Automatically Discontinue Transmission | Pass               | -                                         |
| 3.7           | 15.203<br>15.407(a) | Antenna Requirement                    | Pass               | -                                         |

**Declaration of Conformity:**

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

**Comments and Explanations:**

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

**Reviewed by: Wii Chang**

**Report Producer: Maggie Chiang**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, and Wi-Fi 5GHz 802.11a/n/ac

| Product specification subjective to this standard |                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Antenna Type</b>                               | WLAN 2.4GHz:<br><Ant. 1>: PIFA Antenna<br><Ant. 2>: PIFA Antenna<br>WLAN 5GHz:<br><Ant. 1>: PIFA Antenna<br><Ant. 2>: PIFA Antenna<br><Ant. 3>: PIFA Antenna<br><Ant. 4>: PIFA Antenna<br>Bluetooth: PIFA Antenna |

## 1.2 Modification of EUT

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

## 1.3 Testing Location

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

FCC Designation No. TW1190 and TW0007



## **1.4 Applicable Standards**

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

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

**Remark:**

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

## 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane for CDD Mode; Z plane for Ant. 2 and Ant. 3 with TXBF Mode; Y plane for Ant. 4 with TXBF Mode) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

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

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

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

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

**Note:**

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

## 2.2 Test Mode

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

### Single Mode

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

### MIMO Mode

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

### TXBF Mode

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

| Test Cases                  |                                                        |
|-----------------------------|--------------------------------------------------------|
| AC<br>Conducted<br>Emission | Mode 1: WLAN (5GHz) Link + Bluetooth Idle + LAN 1 Link |





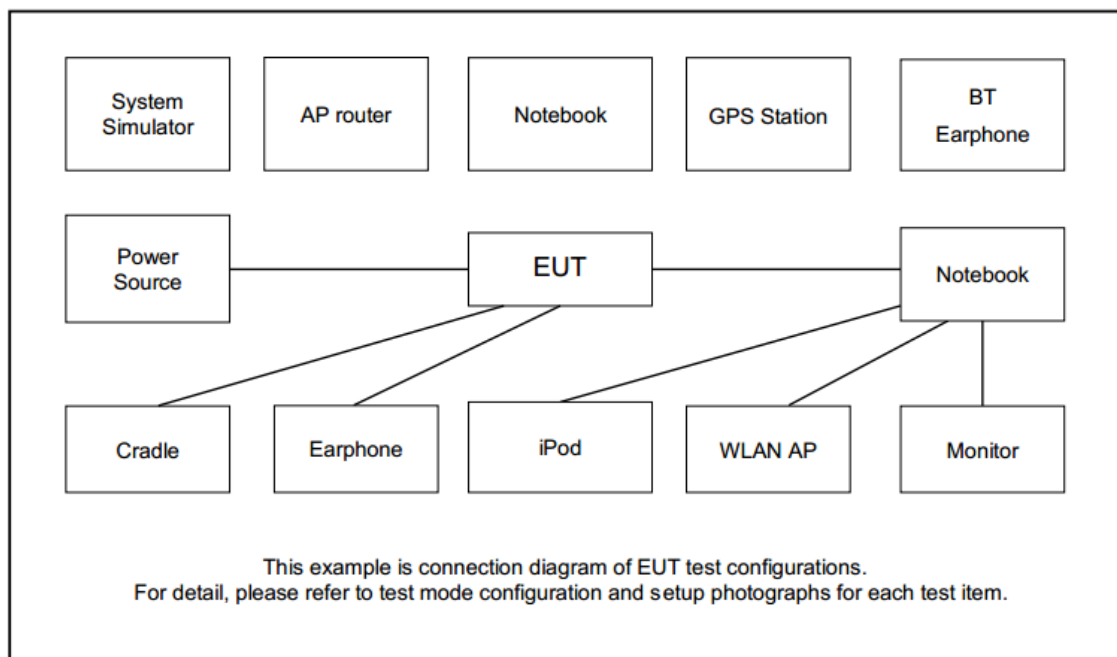
| Ch. #    |        | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|-------------------------|-------------------------|
|          |        | 802.11a                 | 802.11a                 |
| L        | Low    | 52                      | 100                     |
| M 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

| Ch. #    |        | Band II : 5250-5350 MHz | Band III : 5470-5725MHz |
|----------|--------|-------------------------|-------------------------|
|          |        | 802.11ac VHT20          | 802.11ac VHT20          |
| L        | Low    | 52                      | 100                     |
| M        | Middle | 60                      | 116                     |
| H        | High   | 64                      | 140                     |
| Straddle |        | -                       | 144                     |

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

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

## 2.3 Connection Diagram of Test System



## 2.4 Support Unit used in test configuration and system

| Item | Equipment    | Trade Name | Model Name     | FCC ID                                       | Data Cable     | Power Cord                                               |
|------|--------------|------------|----------------|----------------------------------------------|----------------|----------------------------------------------------------|
| 1.   | iPod         | Apple      | A1285          | FCC DoC                                      | Shielded, 1.0m | N/A                                                      |
| 2.   | Mobile Phone | Samsung    | SM-A703F/DS    | N/A                                          | N/A            | Unshielded, 1.8m                                         |
| 3.   | LCD Monitor  | Asus       | S2316-HC       | FCC DoC                                      | Shielded, 1.6m | Unshielded, 1.8m                                         |
| 4.   | Notebook     | DELL       | Latitude E6320 | FCC DoC/<br>Contains FCC ID:<br>QDS-BRCM1054 | N/A            | AC I/P:<br>Unshielded, 1.2m<br>DC O/P:<br>Shielded, 1.8m |

## 2.5 EUT Operation Test Setup

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

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “tera term” software tool was used to enable the EUT to transmit signals continuously.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

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

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

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

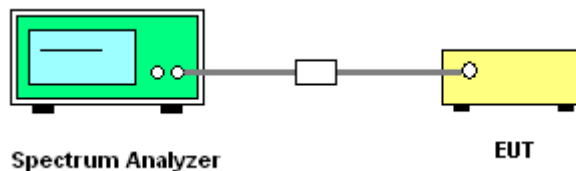
##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

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

##### 3.1.4 Test Setup

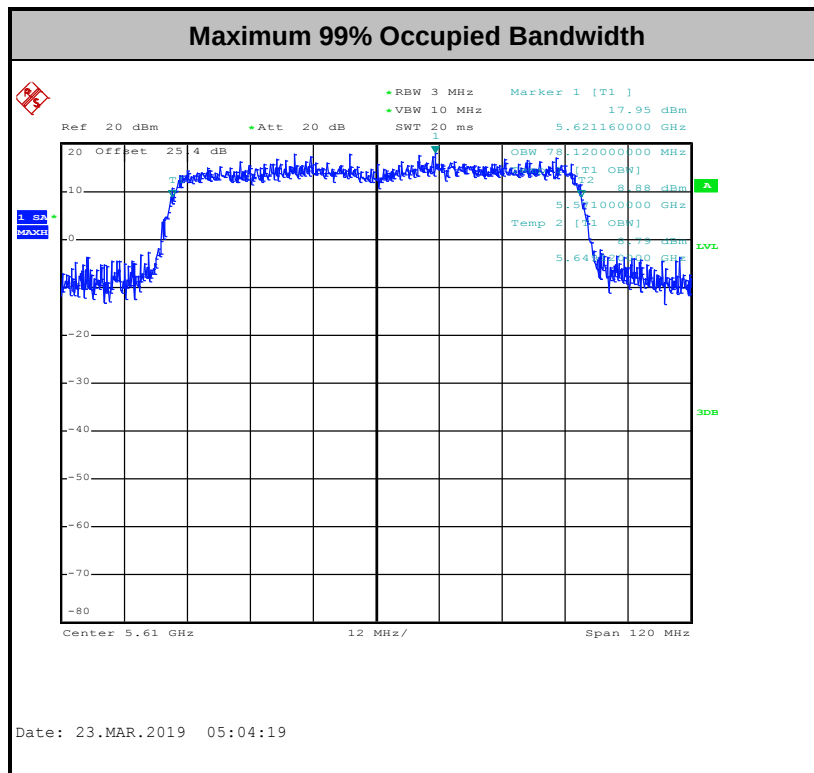
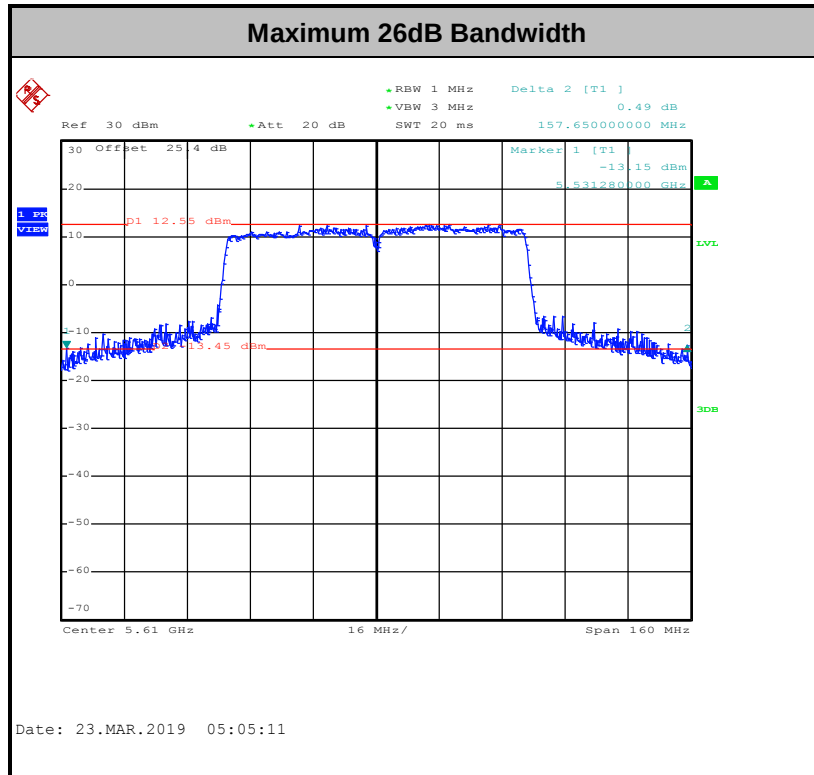


##### 3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



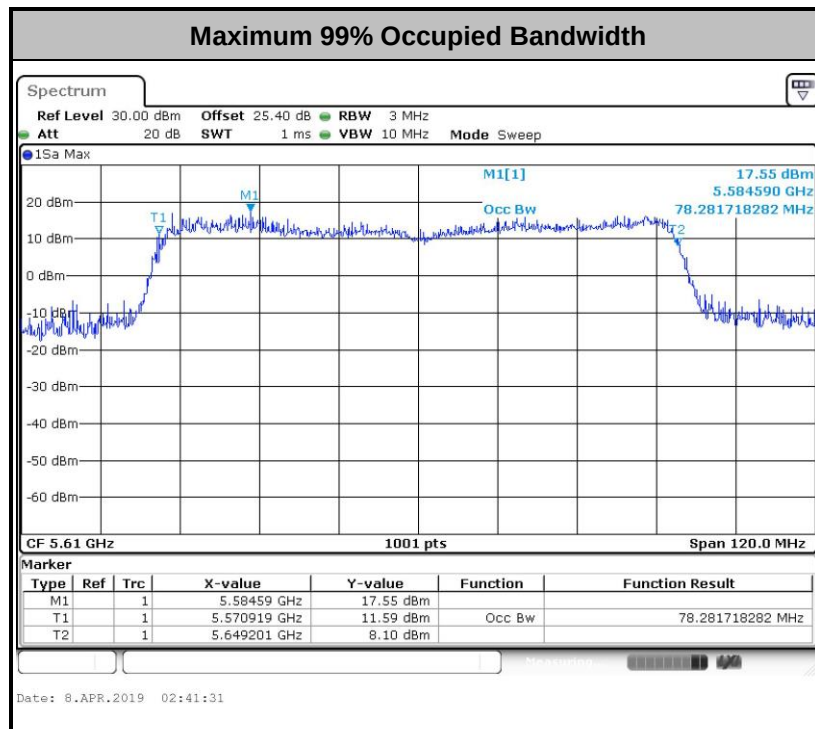
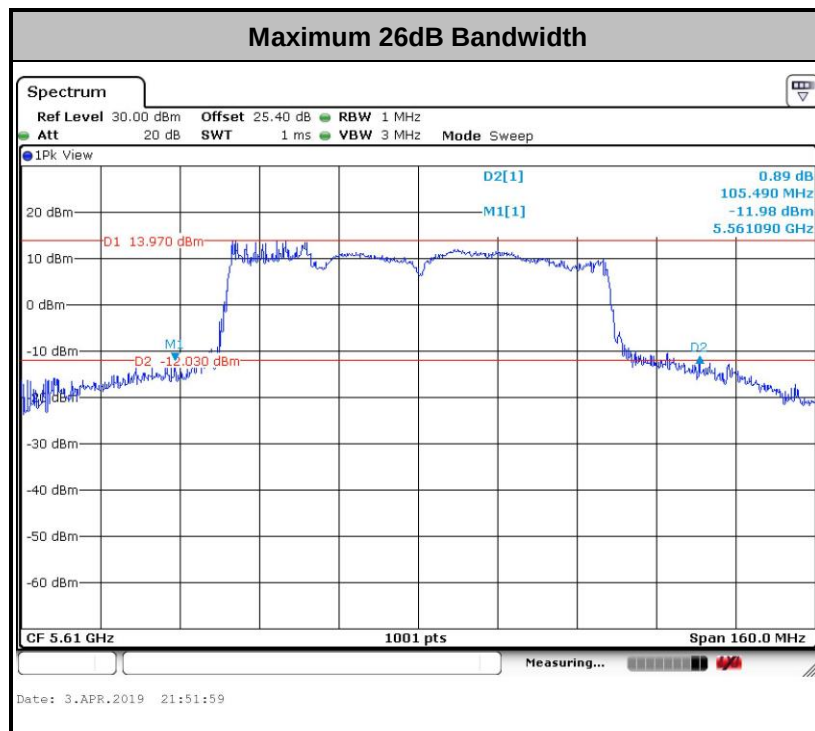
&lt;CDD Mode&gt;



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



&lt;TXBF Mode&gt;



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



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

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

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

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

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

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

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

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

### **3.2.2 Measuring Instruments**

See list of measuring equipment of this test report.

### 3.2.3 Test Procedures

#### <CDD Modes>

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

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

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

#### <TXBF Modes>

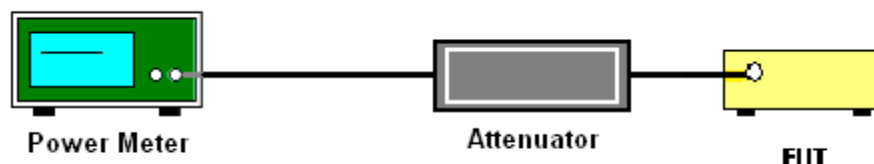
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

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

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

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.





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

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

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

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

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

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

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

#### **3.3.2 Measuring Instruments**

See list of measuring equipment of this test report.



### 3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

#### <CDD Modes>

##### # 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.

#### <TXBF Modes>

##### # Method SA-3 #

(power averaging (rms) detection with max hold):

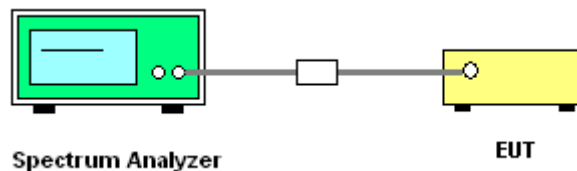
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW  $\geq$  3 MHz
- Number of points in sweep  $\geq$  2 Span / RBW.
- Sweep time  $\leq$  (number of points in sweep)  $\times$  T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

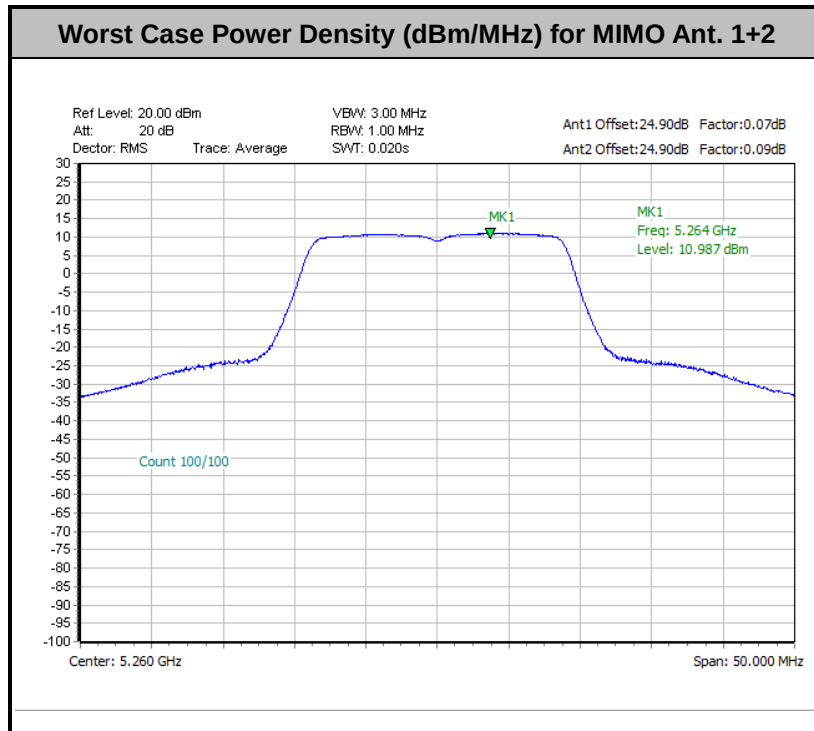
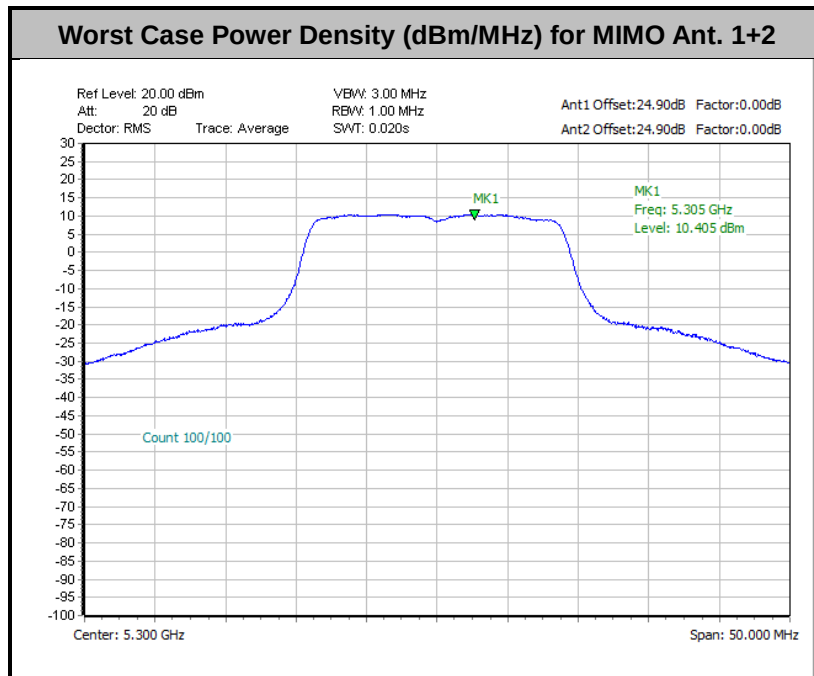
The total final Power Spectral Density is from a device with 4 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2, output 3 and output 4 to obtain the value for the first frequency bin of the summed spectrum.

### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

**<CDD Modes>****<TXBF Modes>**

### 3.4 Unwanted Emissions Measurement

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

#### 3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

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

### 3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.4.3 Test Procedures

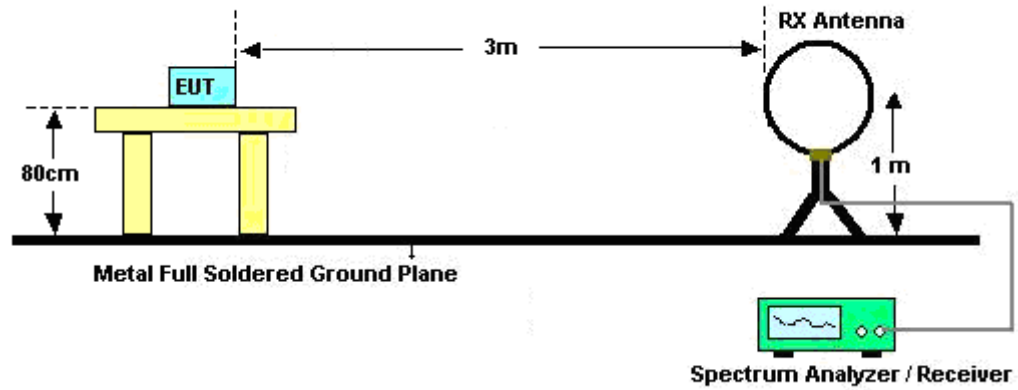
- The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
  - Procedure for Unwanted Emissions Measurements Below 1000MHz
    - RBW = 120 kHz
    - VBW = 300 kHz
    - Detector = Peak
    - Trace mode = max hold
  - Procedure for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

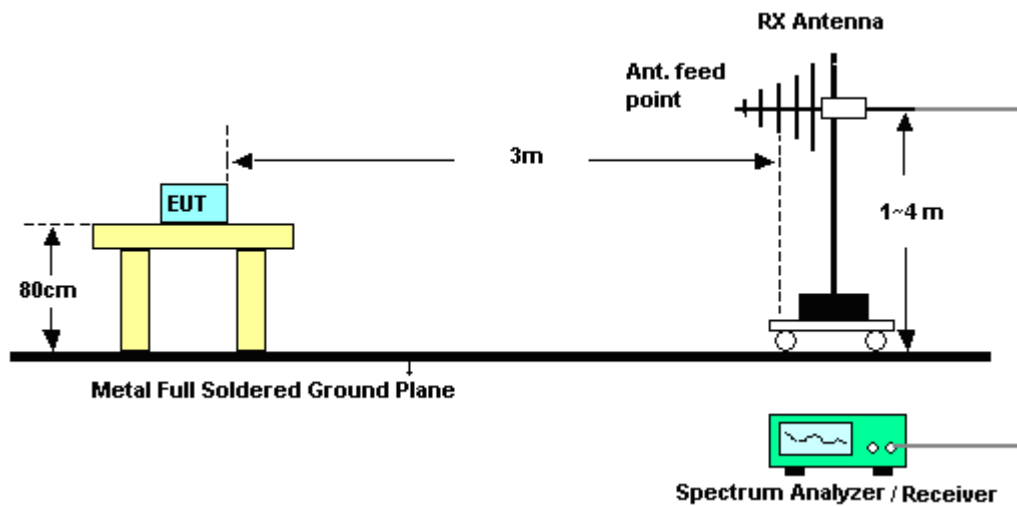
### 3.4.4 Test Setup

For radiated emissions below 30MHz

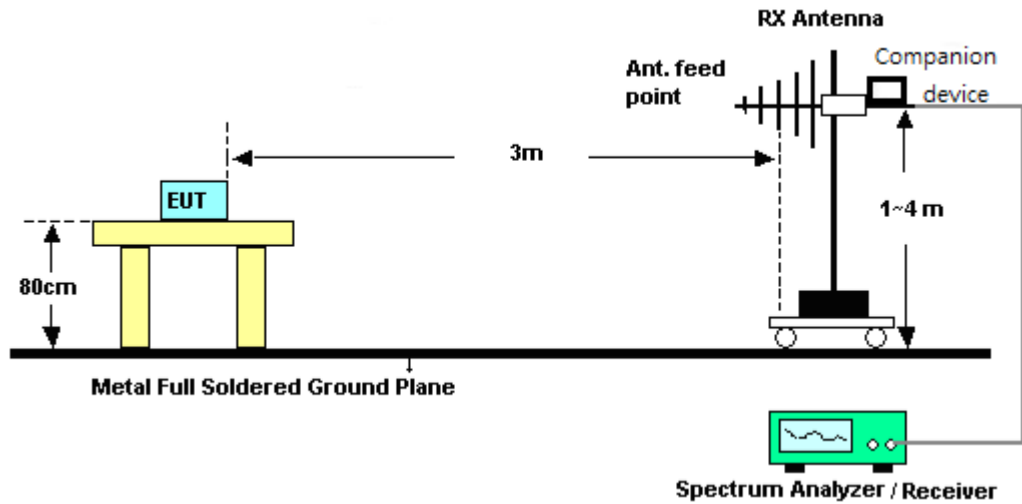


For radiated emissions from 30MHz to 1GHz

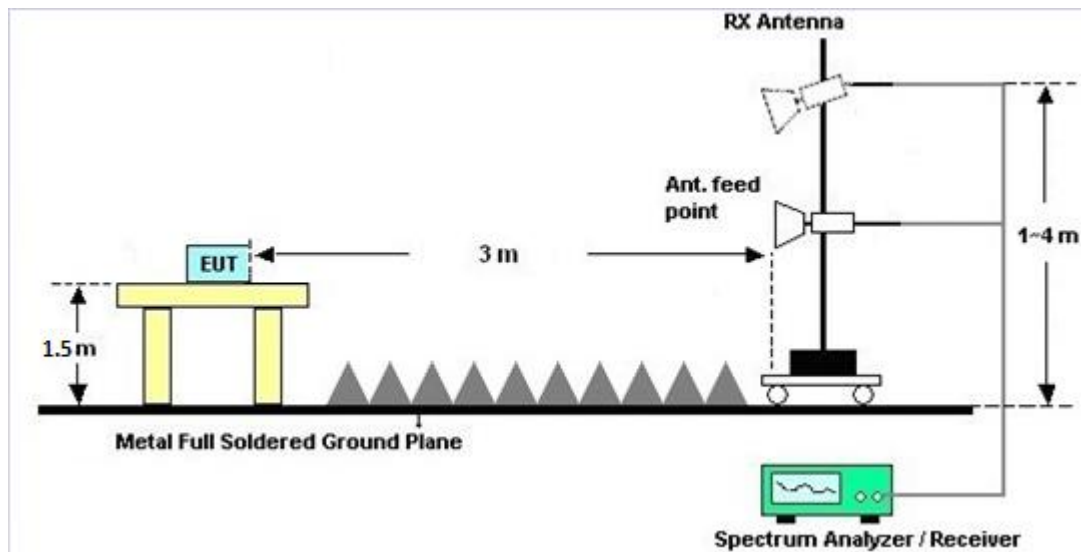
<CDD Mode>



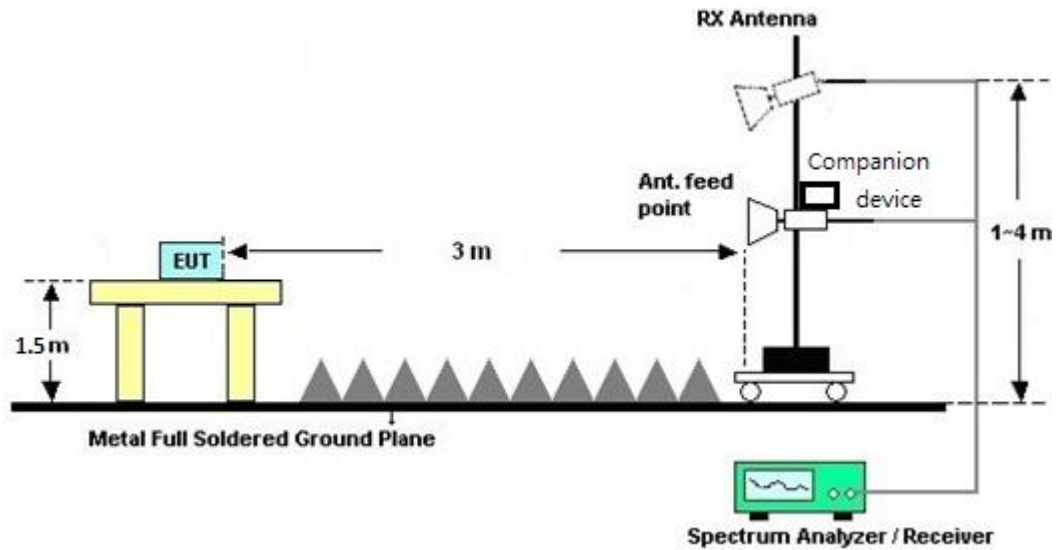


**<TXBF Mode>**


For radiated emissions above 1GHz

**<CDD Mode>**


<TXBF Mode>



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

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

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

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

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

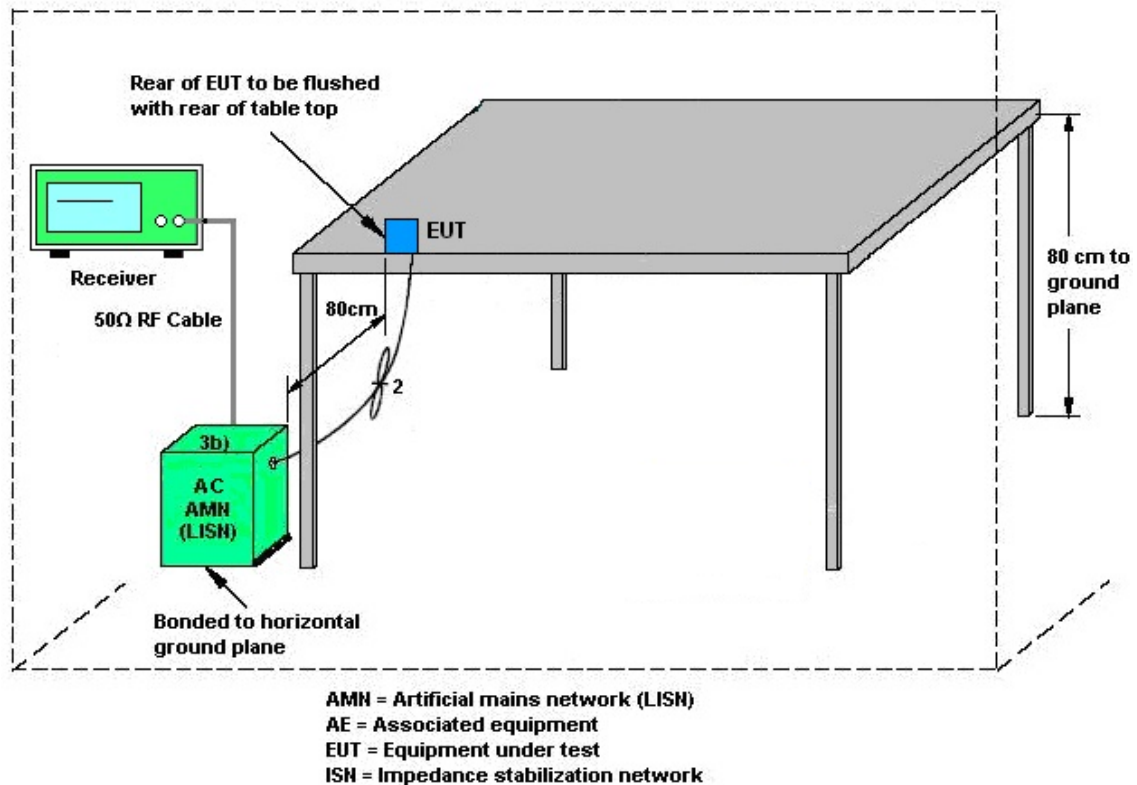
#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.6 Automatically Discontinue Transmission**

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

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

### **3.6.2 Measuring Instruments**

See list of measuring equipment of this test report.

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

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



## **3.7 Antenna Requirements**

### **3.7.1 Standard Applicable**

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

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

An embedded-in antenna design is used.

### 3.7.3 Antenna Gain

#### <CDD Modes>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

| Antenna Gain      | Ant 1 (dBi)        | Ant 2 (dBi)      | Ant 3 (dBi)                | Ant 4 (dBi)              |
|-------------------|--------------------|------------------|----------------------------|--------------------------|
| <b>5.3G Band</b>  | 3.60               | 2.80             | 2.50                       | 3.80                     |
| <b>5.5G Band</b>  | 3.10               | 4.40             | 3.10                       | 4.00                     |
|                   |                    |                  |                            |                          |
| 5.3G Band Antenna | DG for Power (dBi) | DG for PSD (dBi) | Power Limit Reduction (dB) | PSD Limit Reduction (dB) |
| <b>1</b>          | 3.60               | 3.60             | 0.00                       | 0.00                     |
| <b>1+2</b>        | 3.60               | 6.22             | 0.00                       | 0.22                     |
| <b>1+2+3</b>      | 3.60               | 7.75             | 0.00                       | 1.75                     |
| <b>1+2+3+4</b>    | 3.80               | 9.21             | 0.00                       | 3.21                     |
| 5.3G Band Antenna | DG for Power (dBi) | DG for PSD (dBi) | Power Limit Reduction (dB) | PSD Limit Reduction (dB) |
| <b>1</b>          | 3.10               | 3.10             | 0.00                       | 0.00                     |
| <b>1+2</b>        | 4.40               | 6.78             | 0.00                       | 0.78                     |
| <b>1+2+3</b>      | 4.40               | 8.33             | 0.00                       | 2.33                     |
| <b>1+2+3+4</b>    | 4.40               | 9.69             | 0.00                       | 3.69                     |

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

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



**<TXBF Modes>**

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

$N_{SS}$  = the number of independent spatial streams of data;

$N_{ANT}$  = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$  if the  $k$ th antenna is being fed by spatial stream  $j$ , or zero if it is not;  
 $G_k$  is the gain in dBi of the  $k$ th antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F2)e)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.

| <b>Antenna Gain</b>      | <b>Ant 1 (dBi)</b>        | <b>Ant 2 (dBi)</b>      | <b>Ant 3 (dBi)</b>                | <b>Ant 4 (dBi)</b>              |
|--------------------------|---------------------------|-------------------------|-----------------------------------|---------------------------------|
| <b>5.3G Band</b>         | 3.60                      | 2.80                    | 2.50                              | 3.80                            |
| <b>5.5G Band</b>         | 3.10                      | 4.40                    | 3.10                              | 4.00                            |
|                          |                           |                         |                                   |                                 |
| <b>5.2G Band Antenna</b> | <b>DG for Power (dBi)</b> | <b>DG for PSD (dBi)</b> | <b>Power Limit Reduction (dB)</b> | <b>PSD Limit Reduction (dB)</b> |
| <b>1+2</b>               | 6.22                      | 6.22                    | 0.22                              | 0.22                            |
| <b>1+2+3</b>             | 7.75                      | 7.75                    | 1.75                              | 1.75                            |
| <b>1+2+3+4</b>           | 9.21                      | 9.21                    | 3.21                              | 3.21                            |
| <b>5.2G Band Antenna</b> | <b>DG for Power (dBi)</b> | <b>DG for PSD (dBi)</b> | <b>Power Limit Reduction (dB)</b> | <b>PSD Limit Reduction (dB)</b> |
| <b>1+2</b>               | 6.78                      | 6.78                    | 0.78                              | 0.78                            |
| <b>1+2+3</b>             | 8.33                      | 8.33                    | 2.33                              | 2.33                            |
| <b>1+2+3+4</b>           | 9.69                      | 9.69                    | 3.69                              | 3.69                            |



## 4 List of Measuring Equipment

| Instrument               | Manufacturer    | Model No.     | Serial No.    | Characteristics | Calibration Date | Test Date                        | Due Date      | Remark               |
|--------------------------|-----------------|---------------|---------------|-----------------|------------------|----------------------------------|---------------|----------------------|
| AC Power Source          | ChainTek        | APC-1000W     | N/A           | N/A             | N/A              | Feb. 27, 2019                    | N/A           | Conduction (CO05-HY) |
| EMI Test Receiver        | Rohde & Schwarz | ESR3          | 102388        | 9KHz~3.6GHz     | Nov. 12, 2018    | Feb. 27, 2019                    | Nov. 11, 2019 | Conduction (CO05-HY) |
| LISN                     | Rohde & Schwarz | ENV216        | 100080        | 9kHz~30MHz      | Nov. 14, 2018    | Feb. 27, 2019                    | Nov. 13, 2019 | Conduction (CO05-HY) |
| LISN                     | Rohde & Schwarz | ENV216        | 100081        | 9kHz~30MHz      | Nov. 09, 2018    | Feb. 27, 2019                    | Nov. 08, 2019 | Conduction (CO05-HY) |
| Software                 | Rohde & Schwarz | EMC32 V10.30  | N/A           | N/A             | N/A              | Feb. 27, 2019                    | N/A           | Conduction (CO05-HY) |
| RF Cable                 | HUBER + SUHNER  | RG 214/U      | 1358175       | 9kHz~30MHz      | Sep. 14, 2018    | Feb. 27, 2019                    | Sep. 13, 2019 | Conduction (CO05-HY) |
| Pulse Limiter            | SCHWARZBECK     | VTSD 9561-F N | 9561-F N00373 | 9kHz~200MHz     | Nov. 08, 2018    | Feb. 27, 2019                    | Nov. 07, 2019 | Conduction (CO05-HY) |
| <b>&lt;CDD Mode&gt;</b>  |                 |               |               |                 |                  |                                  |               |                      |
| Power Meter              | Anritsu         | ML2495A       | 1132003       | N/A             | Aug. 16, 2018    | Feb. 27, 2019~<br>Apr. 02, 2019  | Aug. 15, 2019 | Conducted (TH05-HY)  |
| Power Sensor             | Anritsu         | MA2411B       | 1126017       | 300MHz~40GHz    | Aug. 16, 2018    | Feb. 27, 2019~<br>Apr. 02, 2019  | Aug. 15, 2019 | Conducted (TH05-HY)  |
| Spectrum Analyzer        | Rohde & Schwarz | FSP40         | 100057        | 9kHz~40GHz      | Nov. 21, 2018    | Feb. 27, 2019~<br>Apr. 02, 2019  | Nov. 20, 2019 | Conducted (TH05-HY)  |
| Spectrum Analyzer        | Rohde & Schwarz | FSV 30        | 100895        | 9kHz~30GHz      | Apr. 20, 2018    | Feb. 27, 2019~<br>Apr. 02, 2019  | Apr. 19, 2019 | Conducted (TH05-HY)  |
| Switch Box & RF Cable    | Burgeon         | ETF-058       | EC1208384     | N/A             | Apr. 17, 2018    | Feb. 27, 2019~<br>Apr. 02, 2019  | Apr. 16, 2019 | Conducted (TH05-HY)  |
| <b>&lt;TXBF Mode&gt;</b> |                 |               |               |                 |                  |                                  |               |                      |
| Power Meter              | Anritsu         | ML2495A       | 1132003       | N/A             | Aug. 16, 2018    | Apr. 02, 2019 ~<br>Apr. 09, 2019 | Aug. 15, 2019 | Conducted (TH05-HY)  |
| Power Sensor             | Anritsu         | MA2411B       | 1126017       | 300MHz~40GHz    | Aug. 16, 2018    | Apr. 02, 2019 ~<br>Apr. 09, 2019 | Aug. 15, 2019 | Conducted (TH05-HY)  |
| Spectrum Analyzer        | Rohde & Schwarz | FSP40         | 100057        | 9kHz~40GHz      | Nov. 21, 2018    | Apr. 02, 2019 ~<br>Apr. 09, 2019 | Nov. 20, 2019 | Conducted (TH05-HY)  |
| Spectrum Analyzer        | Rohde & Schwarz | FSV 30        | 100895        | 9kHz~30GHz      | Apr. 20, 2018    | Apr. 02, 2019 ~<br>Apr. 09, 2019 | Apr. 19, 2019 | Conducted (TH05-HY)  |
| Switch Box & RF Cable    | Burgeon         | ETF-058       | EC1208382     | N/A             | Mar. 27, 2019    | Apr. 02, 2019 ~<br>Apr. 09, 2019 | Mar. 26, 2020 | Conducted (TH05-HY)  |



| Instrument              | Manufacturer       | Model No.                            | Serial No.           | Characteristics                     | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-------------------------|--------------------|--------------------------------------|----------------------|-------------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Amplifier               | MITEQ              | TTA1840-35-H<br>G                    | 1871923              | 18GHz~40GHz,<br>VSWR : 2.5:1<br>max | Jul. 16, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Jul. 15, 2019 | Radiation<br>(03CH11-HY) |
| Amplifier               | SONOMA             | 310N                                 | 187312               | 9kHz~1GHz                           | Dec. 04, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Dec. 03, 2019 | Radiation<br>(03CH11-HY) |
| Bilog Antenna           | TESEQ              | CBL<br>6111D&N-6-06                  | 35414&AT-N06<br>02   | 30MHz~1GHz                          | Oct. 13, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Oct. 12, 2019 | Radiation<br>(03CH11-HY) |
| Horn Antenna            | SCHWARZBE<br>CK    | BBHA 9120 D                          | 9120D-1326           | 1GHz ~ 18GHz                        | Oct. 30, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Oct. 29, 2019 | Radiation<br>(03CH11-HY) |
| Loop Antenna            | Rohde &<br>Schwarz | HFH2-Z2                              | 100488               | 9 kHz~30 MHz                        | Nov. 22, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Nov. 21, 2019 | Radiation<br>(03CH11-HY) |
| Preamplifier            | Keysight           | 83017A                               | MY53270080           | 1GHz~26.5GHz                        | Nov. 14, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Nov. 13, 2020 | Radiation<br>(03CH11-HY) |
| Spectrum<br>Analyzer    | Keysight           | N9010A                               | MY54200486           | 10Hz ~ 44GHz                        | Oct. 19, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Oct. 18, 2019 | Radiation<br>(03CH11-HY) |
| Antenna Mast            | EMEC               | AM-BS-4500-B                         | N/A                  | 1~4m                                | N/A              | Jan. 30, 2019~<br>Mar. 20, 2019 | N/A           | Radiation<br>(03CH11-HY) |
| Turn Table              | EMEC               | TT 2000                              | N/A                  | 0~360 Degree                        | N/A              | Jan. 30, 2019~<br>Mar. 20, 2019 | N/A           | Radiation<br>(03CH11-HY) |
| Preamplifier            | Jet-Power          | JPA0118-55-30<br>3                   | 171000180005<br>4001 | 1GHz~18GHz                          | Apr. 16, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Apr. 15, 2019 | Radiation<br>(03CH11-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK    | BBHA 9170                            | BBHA9170584          | 18GHz- 40GHz                        | Dec. 05, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Dec. 04, 2019 | Radiation<br>(03CH11-HY) |
| EMI Test<br>Receiver    | Keysight           | N9038A(MXE)                          | MY53290045           | N/A                                 | Jan. 19, 2019    | Jan. 30, 2019~<br>Mar. 20, 2019 | Jan. 18, 2020 | Radiation<br>(03CH11-HY) |
| Software                | Audix              | E3 6.2009-8-24                       | RK-001042            | N/A                                 | N/A              | Jan. 30, 2019~<br>Mar. 20, 2019 | N/A           | Radiation<br>(03CH11-HY) |
| RF Cable                | HUBER +<br>SUHNER  | SUCOFLEX<br>104                      | MY9837/4PE           | 9kHz-30MHz                          | Jan. 13, 2019    | Jan. 30, 2019~<br>Mar. 20, 2019 | Jan. 12, 2020 | Radiation<br>(03CH11-HY) |
| RF Cable                | HUBER +<br>SUHNER  | SUCOFLEX<br>102                      | MY2859/2             | 30MHz-40GHz                         | Jan. 13, 2019    | Jan. 30, 2019~<br>Mar. 20, 2019 | Jan. 12, 2020 | Radiation<br>(03CH11-HY) |
| RF Cable                | HUBER +<br>SUHNER  | SUCOFLEX<br>104                      | MY9837/4PE           | 30M-18G                             | Jan. 13, 2019    | Jan. 30, 2019~<br>Mar. 20, 2019 | Jan. 12, 2020 | Radiation<br>(03CH11-HY) |
| RF Cable                | HUBER +<br>SUHNER  | SUCOFLEX<br>102                      | MY4274/2             | 30MHz-40GHz                         | Jan. 13, 2019    | Jan. 30, 2019~<br>Mar. 20, 2019 | Jan. 12, 2020 | Radiation<br>(03CH11-HY) |
| Filter                  | Wainwright         | WHKX8-5872.5<br>-6750-18000-4<br>0ST | SN3                  | 6.75GHz High<br>Pass                | Sep. 17, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Sep. 16, 2019 | Radiation<br>(03CH11-HY) |
| Filter                  | Wainwright         | WLK4-1000-15<br>30-8000-40SS         | SN11                 | 1G Low Pass                         | Sep. 16, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Sep. 15, 2019 | Radiation<br>(03CH11-HY) |
| Filter                  | Wainwright         | WHKX12-2700-<br>3000-18000-60<br>SS  | SN3                  | 2.7G High Pass                      | Sep. 16, 2018    | Jan. 30, 2019~<br>Mar. 20, 2019 | Sep. 15, 2019 | Radiation<br>(03CH11-HY) |



## 5 Uncertainty of Evaluation

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

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

### 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

### <CDD Mode>

|                |                  |                    |       |    |
|----------------|------------------|--------------------|-------|----|
| Test Engineer: | Eason Huang      | Temperature:       | 21~25 | °C |
| Test Date:     | 2019/02/27~04/02 | Relative Humidity: | 51~54 | %  |

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

| Band II |           |     |     |             |                       |       |       |       |                                      |       |       |       |      |
|---------|-----------|-----|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | Note |
|         |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 |      |
| 11a     | 6Mbps     | 1   | 52  | 5260        | 40.90                 |       |       |       | 23.98                                |       |       |       |      |
| 11a     | 6Mbps     | 1   | 60  | 5300        | 40.80                 |       |       |       | 23.98                                |       |       |       |      |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 33.50                 |       |       |       | 23.98                                |       |       |       |      |
| VHT20   | MCS0      | 1   | 52  | 5260        | 44.55                 |       |       |       | 23.98                                |       |       |       |      |
| VHT20   | MCS0      | 1   | 60  | 5300        | 45.90                 |       |       |       | 23.98                                |       |       |       |      |
| VHT20   | MCS0      | 1   | 64  | 5320        | 39.45                 |       |       |       | 23.98                                |       |       |       |      |
| VHT40   | MCS0      | 1   | 54  | 5270        | 82.53                 |       |       |       | 23.98                                |       |       |       |      |
| VHT40   | MCS0      | 1   | 62  | 5310        | 41.34                 |       |       |       | 23.98                                |       |       |       |      |
| VHT80   | MCS0      | 1   | 58  | 5290        | 82.48                 |       |       |       | 23.98                                |       |       |       |      |

| Band II |           |     |     |             |                       |       |       |       |                                      |       |       |       |      |
|---------|-----------|-----|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | Note |
|         |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 |      |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 34.20                 | 28.05 |       |       | 23.98                                | 23.98 |       |       |      |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 33.35                 | 26.70 |       |       | 23.98                                | 23.98 |       |       |      |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 32.25                 | 27.00 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT20   | MCS0      | 2   | 52  | 5260        | 39.15                 | 37.25 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT20   | MCS0      | 2   | 60  | 5300        | 40.20                 | 36.25 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT20   | MCS0      | 2   | 64  | 5320        | 37.20                 | 34.40 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT40   | MCS0      | 2   | 54  | 5270        | 75.24                 | 63.62 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT40   | MCS0      | 2   | 62  | 5310        | 50.32                 | 40.86 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT80   | MCS0      | 2   | 58  | 5290        | 82.56                 | 81.92 |       |       | 23.98                                | 23.98 |       |       |      |

| Band II |           |                 |     |             |                       |       |       |                                                                                     |                                      |       |       |                                                                                     |      |
|---------|-----------|-----------------|-----|-------------|-----------------------|-------|-------|-------------------------------------------------------------------------------------|--------------------------------------|-------|-------|-------------------------------------------------------------------------------------|------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |                                                                                     | FCC 26dB Bandwidth Power Limit (dBm) |       |       |                                                                                     | Note |
|         |           |                 |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4                                                                               | Ant 1                                | Ant 2 | Ant 3 | Ant 4                                                                               |      |
| 11a     | 6Mbps     | 3               | 52  | 5260        | 22.60                 | 22.60 | 22.55 |  | 23.98                                | 23.98 | 23.98 |  |      |
| 11a     | 6Mbps     | 3               | 60  | 5300        | 22.70                 | 22.50 | 26.75 |  | 23.98                                | 23.98 | 23.98 |  |      |
| 11a     | 6Mbps     | 3               | 64  | 5320        | 22.60                 | 22.55 | 29.55 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT20   | MCS0      | 3               | 52  | 5260        | 32.10                 | 25.40 | 36.30 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT20   | MCS0      | 3               | 60  | 5300        | 31.05                 | 22.80 | 36.70 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT20   | MCS0      | 3               | 64  | 5320        | 32.10                 | 24.25 | 36.80 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT40   | MCS0      | 3               | 54  | 5270        | 58.41                 | 43.27 | 67.98 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT40   | MCS0      | 3               | 62  | 5310        | 41.13                 | 40.68 | 40.68 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT80   | MCS0      | 3               | 58  | 5290        | 81.75                 | 82.42 | 82.24 |  | 23.98                                | 23.98 | 23.98 |  |      |

| Band II |           |                 |     |             |                       |       |       |       |                                      |       |       |       |      |
|---------|-----------|-----------------|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | Note |
|         |           |                 |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 |      |
| 11a     | 6Mbps     | 4               | 52  | 5260        | 22.70                 | 22.80 | 22.40 | 22.60 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| 11a     | 6Mbps     | 4               | 60  | 5300        | 22.80                 | 22.60 | 22.40 | 22.70 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| 11a     | 6Mbps     | 4               | 64  | 5320        | 22.60                 | 22.50 | 22.50 | 22.50 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT20   | MCS0      | 4               | 52  | 5260        | 23.00                 | 22.60 | 22.70 | 22.70 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT20   | MCS0      | 4               | 60  | 5300        | 23.15                 | 22.80 | 22.85 | 22.80 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT20   | MCS0      | 4               | 64  | 5320        | 22.95                 | 22.80 | 22.55 | 22.75 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT40   | MCS0      | 4               | 54  | 5270        | 61.92                 | 49.68 | 63.05 | 65.70 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT40   | MCS0      | 4               | 62  | 5310        | 41.66                 | 41.22 | 58.17 | 49.97 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT80   | MCS0      | 4               | 58  | 5290        | 82.24                 | 82.24 | 82.14 | 81.92 | 23.98                                | 23.98 | 23.98 | 23.98 |      |



| Band II |           |                 |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|---------|-----------|-----------------|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|         |           |                 |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a     | 6Mbps     | 1               | 52  | 5260        | 19.00               |       |       |       | 23.79                              |       |       |       | 29.79                             |       |       |       |
| 11a     | 6Mbps     | 1               | 60  | 5300        | 19.30               |       |       |       | 23.86                              |       |       |       | 29.86                             |       |       |       |
| 11a     | 6Mbps     | 1               | 64  | 5320        | 17.15               |       |       |       | 23.34                              |       |       |       | 29.34                             |       |       |       |
| VHT20   | MCS0      | 1               | 52  | 5260        | 20.80               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT20   | MCS0      | 1               | 60  | 5300        | 20.55               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT20   | MCS0      | 1               | 64  | 5320        | 18.25               |       |       |       | 23.61                              |       |       |       | 29.61                             |       |       |       |
| VHT40   | MCS0      | 1               | 54  | 5270        | 37.60               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT40   | MCS0      | 1               | 62  | 5310        | 36.70               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT80   | MCS0      | 1               | 58  | 5290        | 76.92               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |

| Band II |           |                 |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|---------|-----------|-----------------|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|         |           |                 |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a     | 6Mbps     | 2               | 52  | 5260        | 17.35               | 17.00 |       |       | 23.39                              | 23.30 |       |       | 29.39                             | 29.30 |       |       |
| 11a     | 6Mbps     | 2               | 60  | 5300        | 17.35               | 17.00 |       |       | 23.39                              | 23.30 |       |       | 29.39                             | 29.30 |       |       |
| 11a     | 6Mbps     | 2               | 64  | 5320        | 17.20               | 17.00 |       |       | 23.36                              | 23.30 |       |       | 29.36                             | 29.30 |       |       |
| VHT20   | MCS0      | 2               | 52  | 5260        | 18.35               | 18.05 |       |       | 23.64                              | 23.56 |       |       | 29.64                             | 29.56 |       |       |
| VHT20   | MCS0      | 2               | 60  | 5300        | 18.35               | 18.10 |       |       | 23.64                              | 23.58 |       |       | 29.64                             | 29.58 |       |       |
| VHT20   | MCS0      | 2               | 64  | 5320        | 18.30               | 18.05 |       |       | 23.62                              | 23.56 |       |       | 29.62                             | 29.56 |       |       |
| VHT40   | MCS0      | 2               | 54  | 5270        | 37.00               | 36.80 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40   | MCS0      | 2               | 62  | 5310        | 36.70               | 36.70 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80   | MCS0      | 2               | 58  | 5290        | 76.92               | 77.04 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |

| Band II |           |                 |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|---------|-----------|-----------------|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|         |           |                 |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a     | 6Mbps     | 3               | 52  | 5260        | 17.10               | 17.00 | 16.95 |       | 23.33                              | 23.30 | 23.29 |       | 29.33                             | 29.30 | 29.29 |       |
| 11a     | 6Mbps     | 3               | 60  | 5300        | 17.00               | 16.90 | 16.95 |       | 23.30                              | 23.28 | 23.29 |       | 29.30                             | 29.28 | 29.29 |       |
| 11a     | 6Mbps     | 3               | 64  | 5320        | 17.10               | 17.00 | 17.10 |       | 23.33                              | 23.30 | 23.33 |       | 29.33                             | 29.30 | 29.33 |       |
| VHT20   | MCS0      | 3               | 52  | 5260        | 18.20               | 18.00 | 18.00 |       | 23.60                              | 23.55 | 23.55 |       | 29.60                             | 29.55 | 29.55 |       |
| VHT20   | MCS0      | 3               | 60  | 5300        | 18.10               | 17.95 | 18.10 |       | 23.58                              | 23.54 | 23.58 |       | 29.58                             | 29.54 | 29.58 |       |
| VHT20   | MCS0      | 3               | 64  | 5320        | 18.10               | 18.00 | 18.05 |       | 23.58                              | 23.55 | 23.56 |       | 29.58                             | 29.55 | 29.56 |       |
| VHT40   | MCS0      | 3               | 54  | 5270        | 36.70               | 36.60 | 36.70 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40   | MCS0      | 3               | 62  | 5310        | 36.70               | 36.60 | 36.70 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80   | MCS0      | 3               | 58  | 5290        | 76.92               | 77.16 | 77.04 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |

| Band II |           |                 |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|---------|-----------|-----------------|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
|         | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|         |           |                 |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a     | 6Mbps     | 4               | 52  | 5260        | 17.10               | 16.90 | 17.00 | 16.90 | 23.33                              | 23.28 | 23.30 | 23.28 | 29.33                             | 29.28 | 29.30 | 29.28 |
| 11a     | 6Mbps     | 4               | 60  | 5300        | 17.05               | 17.10 | 16.95 | 16.90 | 23.32                              | 23.33 | 23.29 | 23.28 | 29.32                             | 29.33 | 29.29 | 29.28 |
| 11a     | 6Mbps     | 4               | 64  | 5320        | 17.10               | 17.05 | 17.00 | 16.95 | 23.33                              | 23.32 | 23.30 | 23.29 | 29.33                             | 29.32 | 29.30 | 29.29 |
| VHT20   | MCS0      | 4               | 52  | 5260        | 18.15               | 18.05 | 18.05 | 18.10 | 23.59                              | 23.56 | 23.56 | 23.58 | 29.59                             | 29.56 | 29.56 | 29.58 |
| VHT20   | MCS0      | 4               | 60  | 5300        | 18.20               | 17.95 | 18.00 | 18.00 | 23.60                              | 23.54 | 23.55 | 23.55 | 29.60                             | 29.54 | 29.55 | 29.55 |
| VHT20   | MCS0      | 4               | 64  | 5320        | 18.15               | 18.00 | 18.00 | 18.05 | 23.59                              | 23.55 | 23.55 | 23.56 | 29.59                             | 29.55 | 29.55 | 29.56 |
| VHT40   | MCS0      | 4               | 54  | 5270        | 36.70               | 36.70 | 36.70 | 36.80 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40   | MCS0      | 4               | 62  | 5310        | 36.70               | 36.70 | 36.70 | 36.80 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80   | MCS0      | 4               | 58  | 5290        | 77.04               | 77.16 | 77.04 | 77.16 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |

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

| FCC Band II |           |                 |     |             |     |                                               |       |       |       |       |                       |          |                      |                            |           |
|-------------|-----------|-----------------|-----|-------------|-----|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|             |           |                 |     |             |     | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a         | 6Mbps     | 1               | 52  | 5260        | 1   | 22.10                                         |       |       |       | 22.10 | 23.98                 | 3.60     | 25.70                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 1               | 60  | 5300        | 1   | 22.00                                         |       |       |       | 22.00 | 23.98                 | 3.60     | 25.60                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 1               | 64  | 5320        | 1   | 19.00                                         |       |       |       | 19.00 | 23.98                 | 3.60     | 22.60                | 30.00                      | Pass      |
| HT20        | MCS0      | 1               | 52  | 5260        | 1   | 21.90                                         |       |       |       | 21.90 | 23.98                 | 3.60     | 25.50                | 30.00                      | Pass      |
| HT20        | MCS0      | 1               | 60  | 5300        | 1   | 21.90                                         |       |       |       | 21.90 | 23.98                 | 3.60     | 25.50                | 30.00                      | Pass      |
| HT20        | MCS0      | 1               | 64  | 5320        | 1   | 18.90                                         |       |       |       | 18.90 | 23.98                 | 3.60     | 22.50                | 30.00                      | Pass      |
| HT40        | MCS0      | 1               | 54  | 5270        | 1   | 20.30                                         |       |       |       | 20.30 | 23.98                 | 3.60     | 23.90                | 30.00                      | Pass      |
| HT40        | MCS0      | 1               | 62  | 5310        | 1   | 12.00                                         |       |       |       | 12.00 | 23.98                 | 3.60     | 15.60                | 30.00                      | Pass      |
| VHT20       | MCS0      | 1               | 52  | 5260        | 1   | 22.00                                         |       |       |       | 22.00 | 23.98                 | 3.60     | 25.60                | 30.00                      | Pass      |
| VHT20       | MCS0      | 1               | 60  | 5300        | 1   | 22.00                                         |       |       |       | 22.00 | 23.98                 | 3.60     | 25.60                | 30.00                      | Pass      |
| VHT20       | MCS0      | 1               | 64  | 5320        | 1   | 19.00                                         |       |       |       | 19.00 | 23.98                 | 3.60     | 22.60                | 30.00                      | Pass      |
| VHT40       | MCS0      | 1               | 54  | 5270        | 1   | 20.50                                         |       |       |       | 20.50 | 23.98                 | 3.60     | 24.10                | 30.00                      | Pass      |
| VHT40       | MCS0      | 1               | 62  | 5310        | 1   | 12.20                                         |       |       |       | 12.20 | 23.98                 | 3.60     | 15.80                | 30.00                      | Pass      |
| VHT80       | MCS0      | 1               | 58  | 5290        | 1   | 15.10                                         |       |       |       | 15.10 | 23.98                 | 3.60     | 18.70                | 30.00                      | Pass      |

| FCC Band II |           |                 |     |             |     |                                               |       |       |       |       |                       |          |                      |                            |           |
|-------------|-----------|-----------------|-----|-------------|-----|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|             |           |                 |     |             |     | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a         | 6Mbps     | 2               | 52  | 5260        | 1+2 | 19.30                                         | 18.50 |       |       | 21.93 | 23.98                 | 3.60     | 25.53                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 2               | 60  | 5300        | 1+2 | 19.10                                         | 18.80 |       |       | 21.96 | 23.98                 | 3.60     | 25.56                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 2               | 64  | 5320        | 1+2 | 18.70                                         | 17.50 |       |       | 21.15 | 23.98                 | 3.60     | 24.75                | 30.00                      | Pass      |
| HT20        | MCS0      | 2               | 52  | 5260        | 1+2 | 19.50                                         | 18.70 |       |       | 22.13 | 23.98                 | 3.60     | 25.73                | 30.00                      | Pass      |
| HT20        | MCS0      | 2               | 60  | 5300        | 1+2 | 19.30                                         | 19.00 |       |       | 22.16 | 23.98                 | 3.60     | 25.76                | 30.00                      | Pass      |
| HT20        | MCS0      | 2               | 64  | 5320        | 1+2 | 18.60                                         | 17.80 |       |       | 21.23 | 23.98                 | 3.60     | 24.83                | 30.00                      | Pass      |
| HT40        | MCS0      | 2               | 54  | 5270        | 1+2 | 19.20                                         | 18.40 |       |       | 21.83 | 23.98                 | 3.60     | 25.43                | 30.00                      | Pass      |
| HT40        | MCS0      | 2               | 62  | 5310        | 1+2 | 14.80                                         | 14.00 |       |       | 17.43 | 23.98                 | 3.60     | 21.03                | 30.00                      | Pass      |
| VHT20       | MCS0      | 2               | 52  | 5260        | 1+2 | 19.60                                         | 18.80 |       |       | 22.23 | 23.98                 | 3.60     | 25.83                | 30.00                      | Pass      |
| VHT20       | MCS0      | 2               | 60  | 5300        | 1+2 | 19.40                                         | 19.10 |       |       | 22.26 | 23.98                 | 3.60     | 25.86                | 30.00                      | Pass      |
| VHT20       | MCS0      | 2               | 64  | 5320        | 1+2 | 18.70                                         | 17.90 |       |       | 21.33 | 23.98                 | 3.60     | 24.93                | 30.00                      | Pass      |
| VHT40       | MCS0      | 2               | 54  | 5270        | 1+2 | 19.30                                         | 18.50 |       |       | 21.93 | 23.98                 | 3.60     | 25.53                | 30.00                      | Pass      |
| VHT40       | MCS0      | 2               | 62  | 5310        | 1+2 | 14.90                                         | 14.10 |       |       | 17.53 | 23.98                 | 3.60     | 21.13                | 30.00                      | Pass      |
| VHT80       | MCS0      | 2               | 58  | 5290        | 1+2 | 13.70                                         | 13.70 |       |       | 16.71 | 23.98                 | 3.60     | 20.31                | 30.00                      | Pass      |

| FCC Band II |           |                 |     |             |       |                                               |       |       |       |       |                       |          |                      |                            |           |
|-------------|-----------|-----------------|-----|-------------|-------|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant   | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|             |           |                 |     |             |       | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a         | 6Mbps     | 3               | 52  | 5260        | 1+2+3 | 15.00                                         | 14.90 | 16.20 |       | 20.18 | 23.98                 | 3.60     | 23.78                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 3               | 60  | 5300        | 1+2+3 | 16.30                                         | 15.80 | 16.90 |       | 21.13 | 23.98                 | 3.60     | 24.73                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 3               | 64  | 5320        | 1+2+3 | 16.60                                         | 15.80 | 17.00 |       | 21.27 | 23.98                 | 3.60     | 24.87                | 30.00                      | Pass      |
| HT20        | MCS0      | 3               | 52  | 5260        | 1+2+3 | 16.10                                         | 15.70 | 17.00 |       | 21.07 | 23.98                 | 3.60     | 24.67                | 30.00                      | Pass      |
| HT20        | MCS0      | 3               | 60  | 5300        | 1+2+3 | 16.20                                         | 16.00 | 17.10 |       | 21.23 | 23.98                 | 3.60     | 24.83                | 30.00                      | Pass      |
| HT20        | MCS0      | 3               | 64  | 5320        | 1+2+3 | 16.50                                         | 15.90 | 17.10 |       | 21.30 | 23.98                 | 3.60     | 24.90                | 30.00                      | Pass      |
| HT40        | MCS0      | 3               | 54  | 5270        | 1+2+3 | 16.30                                         | 15.70 | 17.10 |       | 21.18 | 23.98                 | 3.60     | 24.78                | 30.00                      | Pass      |
| HT40        | MCS0      | 3               | 62  | 5310        | 1+2+3 | 12.50                                         | 11.50 | 13.40 |       | 17.31 | 23.98                 | 3.60     | 20.91                | 30.00                      | Pass      |
| VHT20       | MCS0      | 3               | 52  | 5260        | 1+2+3 | 16.20                                         | 15.80 | 17.10 |       | 21.17 | 23.98                 | 3.60     | 24.77                | 30.00                      | Pass      |
| VHT20       | MCS0      | 3               | 60  | 5300        | 1+2+3 | 16.30                                         | 16.10 | 17.20 |       | 21.33 | 23.98                 | 3.60     | 24.93                | 30.00                      | Pass      |
| VHT20       | MCS0      | 3               | 64  | 5320        | 1+2+3 | 16.60                                         | 16.00 | 17.60 |       | 21.56 | 23.98                 | 3.60     | 25.16                | 30.00                      | Pass      |
| VHT40       | MCS0      | 3               | 54  | 5270        | 1+2+3 | 16.40                                         | 15.80 | 17.60 |       | 21.44 | 23.98                 | 3.60     | 25.04                | 30.00                      | Pass      |
| VHT40       | MCS0      | 3               | 62  | 5310        | 1+2+3 | 12.60                                         | 11.60 | 13.50 |       | 17.41 | 23.98                 | 3.60     | 21.01                | 30.00                      | Pass      |
| VHT80       | MCS0      | 3               | 58  | 5290        | 1+2+3 | 11.60                                         | 11.40 | 12.30 |       | 16.56 | 23.98                 | 3.60     | 20.16                | 30.00                      | Pass      |

| FCC Band II |           |                 |     |             |         |                                               |       |       |       |       |                       |          |                      |                            |           |
|-------------|-----------|-----------------|-----|-------------|---------|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant     | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|             |           |                 |     |             |         | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a         | 6Mbps     | 4               | 52  | 5260        | 1+2+3+4 | 12.80                                         | 12.30 | 13.50 | 13.20 | 18.99 | 23.98                 | 3.80     | 22.79                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 4               | 60  | 5300        | 1+2+3+4 | 13.10                                         | 12.80 | 13.80 | 13.50 | 19.34 | 23.98                 | 3.80     | 23.14                | 30.00                      | Pass      |
| 11a         | 6Mbps     | 4               | 64  | 5320        | 1+2+3+4 | 12.90                                         | 12.40 | 13.70 | 13.50 | 19.18 | 23.98                 | 3.80     | 22.98                | 30.00                      | Pass      |
| HT20        | MCS0      | 4               | 52  | 5260        | 1+2+3+4 | 12.70                                         | 12.50 | 13.80 | 13.20 | 19.10 | 23.98                 | 3.80     | 22.90                | 30.00                      | Pass      |
| HT20        | MCS0      | 4               | 60  | 5300        | 1+2+3+4 | 12.60                                         | 12.50 | 13.80 | 13.30 | 19.10 | 23.98                 | 3.80     | 22.90                | 30.00                      | Pass      |
| HT20        | MCS0      | 4               | 64  | 5320        | 1+2+3+4 | 12.60                                         | 12.40 | 13.80 | 13.40 | 19.11 | 23.98                 | 3.80     | 22.91                | 30.00                      | Pass      |
| HT40        | MCS0      | 4               | 54  | 5270        | 1+2+3+4 | 15.00                                         | 15.00 | 16.70 | 16.10 | 21.78 | 23.98                 | 3.80     | 25.58                | 30.00                      | Pass      |
| HT40        | MCS0      | 4               | 62  | 5310        | 1+2+3+4 | 13.60                                         | 13.60 | 15.40 | 14.70 | 20.41 | 23.98                 | 3.80     | 24.21                | 30.00                      | Pass      |
| VHT20       | MCS0      | 4               | 52  | 5260        | 1+2+3+4 | 12.80                                         | 12.60 | 13.90 | 13.30 | 19.20 | 23.98                 | 3.80     | 23.00                | 30.00                      | Pass      |
| VHT20       | MCS0      | 4               | 60  | 5300        | 1+2+3+4 | 12.80                                         | 12.60 | 13.90 | 13.40 | 19.23 | 23.98                 | 3.80     | 23.03                | 30.00                      | Pass      |
| VHT20       | MCS0      | 4               | 64  | 5320        | 1+2+3+4 | 12.80                                         | 12.50 | 13.90 | 13.50 | 19.23 | 23.98                 | 3.80     | 23.03                | 30.00                      | Pass      |
| VHT40       | MCS0      | 4               | 54  | 5270        | 1+2+3+4 | 16.00                                         | 15.20 | 16.80 | 16.30 | 22.13 | 23.98                 | 3.80     | 25.93                | 30.00                      | Pass      |
| VHT40       | MCS0      | 4               | 62  | 5310        | 1+2+3+4 | 14.70                                         | 13.60 | 15.40 | 14.80 | 20.69 | 23.98                 | 3.80     | 24.49                | 30.00                      | Pass      |
| VHT80       | MCS0      | 4               | 58  | 5290        | 1+2+3+4 | 11.90                                         | 11.80 | 13.10 | 12.60 | 18.40 | 23.98                 | 3.80     | 22.20                | 30.00                      | Pass      |

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

| Band II |           |     |     |             |     |                  |       |       |       |                                        |                     |          |            |
|---------|-----------|-----|-----|-------------|-----|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Ant | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|         |           |     |     |             |     | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| 11a     | 6Mbps     | 1   | 52  | 5260        | 1   | 0.28             |       |       |       | 10.56                                  | 11.00               | 3.60     | Pass       |
| 11a     | 6Mbps     | 1   | 60  | 5300        | 1   | 0.28             |       |       |       | 10.49                                  | 11.00               | 3.60     | Pass       |
| 11a     | 6Mbps     | 1   | 64  | 5320        | 1   | 0.28             |       |       |       | 7.34                                   | 11.00               | 3.60     | Pass       |
| VHT20   | MCS0      | 1   | 52  | 5260        | 1   | 0.08             |       |       |       | 10.76                                  | 11.00               | 3.60     | Pass       |
| VHT20   | MCS0      | 1   | 60  | 5300        | 1   | 0.08             |       |       |       | 10.76                                  | 11.00               | 3.60     | Pass       |
| VHT20   | MCS0      | 1   | 64  | 5320        | 1   | 0.08             |       |       |       | 7.66                                   | 11.00               | 3.60     | Pass       |
| VHT40   | MCS0      | 1   | 54  | 5270        | 1   | 0.16             |       |       |       | 6.22                                   | 11.00               | 3.60     | Pass       |
| VHT40   | MCS0      | 1   | 62  | 5310        | 1   | 0.16             |       |       |       | -1.47                                  | 11.00               | 3.60     | Pass       |
| VHT80   | MCS0      | 1   | 58  | 5290        | 1   | 0.32             |       |       |       | -2.34                                  | 11.00               | 3.60     | Pass       |

| Band II |           |     |     |             |     |                  |       |       |       |                                        |                     |          |            |
|---------|-----------|-----|-----|-------------|-----|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Ant | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|         |           |     |     |             |     | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 1+2 | 0.23             | 0.27  |       |       | 10.84                                  | 11.00               | 3.80     | Pass       |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 1+2 | 0.23             | 0.27  |       |       | 10.76                                  | 11.00               | 3.80     | Pass       |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 1+2 | 0.23             | 0.27  |       |       | 9.90                                   | 11.00               | 3.80     | Pass       |
| VHT20   | MCS0      | 2   | 52  | 5260        | 1+2 | 0.07             | 0.09  |       |       | 10.99                                  | 11.00               | 3.80     | Pass       |
| VHT20   | MCS0      | 2   | 60  | 5300        | 1+2 | 0.07             | 0.09  |       |       | 10.75                                  | 11.00               | 3.80     | Pass       |
| VHT20   | MCS0      | 2   | 64  | 5320        | 1+2 | 0.07             | 0.09  |       |       | 9.80                                   | 11.00               | 3.80     | Pass       |
| VHT40   | MCS0      | 2   | 54  | 5270        | 1+2 | 0.13             | 0.18  |       |       | 7.93                                   | 11.00               | 3.80     | Pass       |
| VHT40   | MCS0      | 2   | 62  | 5310        | 1+2 | 0.13             | 0.18  |       |       | 3.29                                   | 11.00               | 3.80     | Pass       |
| VHT80   | MCS0      | 2   | 58  | 5290        | 1+2 | 0.30             | 0.32  |       |       | -0.23                                  | 11.00               | 3.80     | Pass       |

| Band II |           |     |     |             |       |                  |       |       |       |                                        |                     |          |  |            |
|---------|-----------|-----|-----|-------------|-------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|--|------------|
| Mod.    | Data Rate | NTx | CH. | Freq. (MHz) | Ant   | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) |  | Pass /Fail |
|         |           |     |     |             |       | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |  |            |
| 11a     | 6Mbps     | 3   | 52  | 5260        | 1+2+3 | 0.23             | 0.22  | 0.27  |       | 9.18                                   | 9.25                | 7.75     |  | Pass       |
| 11a     | 6Mbps     | 3   | 60  | 5300        | 1+2+3 | 0.23             | 0.22  | 0.27  |       | 9.12                                   | 9.25                | 7.75     |  | Pass       |
| 11a     | 6Mbps     | 3   | 64  | 5320        | 1+2+3 | 0.23             | 0.22  | 0.27  |       | 9.20                                   | 9.25                | 7.75     |  | Pass       |
| VHT20   | MCS0      | 3   | 52  | 5260        | 1+2+3 | 0.08             | 0.07  | 0.07  |       | 9.14                                   | 9.25                | 7.75     |  | Pass       |
| VHT20   | MCS0      | 3   | 60  | 5300        | 1+2+3 | 0.08             | 0.07  | 0.07  |       | 9.08                                   | 9.25                | 7.75     |  | Pass       |
| VHT20   | MCS0      | 3   | 64  | 5320        | 1+2+3 | 0.08             | 0.07  | 0.07  |       | 9.21                                   | 9.25                | 7.75     |  | Pass       |
| VHT40   | MCS0      | 3   | 54  | 5270        | 1+2+3 | 0.18             | 0.16  | 0.16  |       | 6.57                                   | 9.25                | 7.75     |  | Pass       |
| VHT40   | MCS0      | 3   | 62  | 5310        | 1+2+3 | 0.18             | 0.16  | 0.16  |       | 2.57                                   | 9.25                | 7.75     |  | Pass       |
| VHT80   | MCS0      | 3   | 58  | 5290        | 1+2+3 | 0.29             | 0.31  | 0.30  |       | -1.42                                  | 9.25                | 7.75     |  | Pass       |

| Band II |           |                 |     |             |        |                  |       |       |       |                                        |                     |          |  |            |
|---------|-----------|-----------------|-----|-------------|--------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|--|------------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant    | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) |  | Pass /Fail |
|         |           |                 |     |             |        | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |  |            |
| 11a     | 6Mbps     | 4               | 52  | 5260        | +2+3+4 | 0.25             | 0.23  | 0.27  | 0.23  | 7.58                                   | 7.79                | 9.21     |  | Pass       |
| 11a     | 6Mbps     | 4               | 60  | 5300        | +2+3+4 | 0.25             | 0.23  | 0.27  | 0.23  | 7.69                                   | 7.79                | 9.21     |  | Pass       |
| 11a     | 6Mbps     | 4               | 64  | 5320        | +2+3+4 | 0.25             | 0.23  | 0.27  | 0.23  | 7.56                                   | 7.79                | 9.21     |  | Pass       |
| VHT20   | MCS0      | 4               | 52  | 5260        | +2+3+4 | 0.09             | 0.08  | 0.11  | 0.08  | 7.70                                   | 7.79                | 9.21     |  | Pass       |
| VHT20   | MCS0      | 4               | 60  | 5300        | +2+3+4 | 0.09             | 0.08  | 0.11  | 0.08  | 7.61                                   | 7.79                | 9.21     |  | Pass       |
| VHT20   | MCS0      | 4               | 64  | 5320        | +2+3+4 | 0.09             | 0.08  | 0.11  | 0.08  | 7.56                                   | 7.79                | 9.21     |  | Pass       |
| VHT40   | MCS0      | 4               | 54  | 5270        | +2+3+4 | 0.16             | 0.16  | 0.18  | 0.13  | 7.67                                   | 7.79                | 9.21     |  | Pass       |
| VHT40   | MCS0      | 4               | 62  | 5310        | +2+3+4 | 0.16             | 0.16  | 0.18  | 0.13  | 6.15                                   | 7.79                | 9.21     |  | Pass       |
| VHT80   | MCS0      | 4               | 58  | 5290        | +2+3+4 | 0.31             | 0.31  | 0.26  | 0.32  | 1.04                                   | 7.79                | 9.21     |  | Pass       |

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

| Band III |           |     |     |             |                                   |       |       |       |                                      |       |       |       |                                           |       |       |       |
|----------|-----------|-----|-----|-------------|-----------------------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------------------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | 26 dB Bandwidth In U-NII 2C (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |       |       |
|          |           |     |     |             | Ant 1                             | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 | Ant 1                                     | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 1   | 100 | 5500        | 31.60                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| 11a      | 6Mbps     | 1   | 116 | 5580        | 42.40                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| 11a      | 6Mbps     | 1   | 140 | 5700        | 35.25                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| 11a      | 6Mbps     | 1   | 144 | 5720        | 26.90                             |       |       |       | 23.98                                |       |       |       | 3.25                                      |       |       |       |
| VHT20    | MCS0      | 1   | 100 | 5500        | 38.15                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT20    | MCS0      | 1   | 116 | 5580        | 46.50                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT20    | MCS0      | 1   | 140 | 5700        | 40.05                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT20    | MCS0      | 1   | 144 | 5720        | 29.35                             |       |       |       | 23.98                                |       |       |       | 3.85                                      |       |       |       |
| VHT40    | MCS0      | 1   | 102 | 5510        | 62.46                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT40    | MCS0      | 1   | 110 | 5550        | 88.20                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT40    | MCS0      | 1   | 134 | 5670        | 84.76                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT40    | MCS0      | 1   | 142 | 5710        | 66.36                             |       |       |       | 23.98                                |       |       |       | 3.18                                      |       |       |       |
| VHT80    | MCS0      | 1   | 106 | 5530        | 82.24                             |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT80    | MCS0      | 1   | 122 | 5610        | 157.65                            |       |       |       | 23.98                                |       |       |       | ----                                      |       |       |       |
| VHT80    | MCS0      | 1   | 138 | 5690        | 136.52                            |       |       |       | 23.98                                |       |       |       | 2.92                                      |       |       |       |

| Band III |           |     |     |             |                       |        |       |       |                                      |       |       |       |                                           |       |       |       |
|----------|-----------|-----|-----|-------------|-----------------------|--------|-------|-------|--------------------------------------|-------|-------|-------|-------------------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |        |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |       |       |
|          |           |     |     |             | Ant 1                 | Ant 2  | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 | Ant 1                                     | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 31.15                 | 25.60  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 31.65                 | 25.00  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 27.40                 | 25.50  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| 11a      | 6Mbps     | 2   | 144 | 5720        | 21.35                 | 20.90  |       |       | 23.98                                | 23.98 |       |       | 3.25                                      | 3.20  |       |       |
| VHT20    | MCS0      | 2   | 100 | 5500        | 37.55                 | 35.60  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT20    | MCS0      | 2   | 116 | 5580        | 38.15                 | 36.45  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT20    | MCS0      | 2   | 140 | 5700        | 36.70                 | 37.10  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT20    | MCS0      | 2   | 144 | 5720        | 24.40                 | 24.30  |       |       | 23.98                                | 23.98 |       |       | 3.85                                      | 3.85  |       |       |
| VHT40    | MCS0      | 2   | 102 | 5510        | 64.37                 | 61.68  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT40    | MCS0      | 2   | 110 | 5550        | 84.41                 | 81.56  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT40    | MCS0      | 2   | 134 | 5670        | 77.52                 | 81.31  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT40    | MCS0      | 2   | 142 | 5710        | 58.11                 | 57.43  |       |       | 23.98                                | 23.98 |       |       | 3.10                                      | 3.10  |       |       |
| VHT80    | MCS0      | 2   | 106 | 5530        | 83.04                 | 81.92  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT80    | MCS0      | 2   | 122 | 5610        | 144.16                | #####  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT80    | MCS0      | 2   | 138 | 5690        | 103.54                | 104.68 |       |       | 23.98                                | 23.98 |       |       | 3.26                                      | 3.28  |       |       |

| Band III |           |     |     |             |                       |        |        |       |                                      |       |       |       |                                           |       |       |       |
|----------|-----------|-----|-----|-------------|-----------------------|--------|--------|-------|--------------------------------------|-------|-------|-------|-------------------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |        |        |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |       |       |
|          |           |     |     |             | Ant 1                 | Ant 2  | Ant 3  | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 | Ant 1                                     | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 3   | 100 | 5500        | 22.75                 | 22.50  | 22.80  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| 11a      | 6Mbps     | 3   | 116 | 5580        | 23.00                 | 22.50  | 22.70  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| 11a      | 6Mbps     | 3   | 140 | 5700        | 22.60                 | 22.30  | 22.85  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| 11a      | 6Mbps     | 3   | 144 | 5720        | 16.35                 | 16.15  | 16.20  |       | 23.14                                | 23.08 | 23.10 |       | 3.15                                      | 3.15  | 3.15  |       |
| VHT20    | MCS0      | 3   | 100 | 5500        | 31.35                 | 22.90  | 26.90  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT20    | MCS0      | 3   | 116 | 5580        | 28.65                 | 24.15  | 28.35  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT20    | MCS0      | 3   | 140 | 5700        | 30.05                 | 28.55  | 30.45  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT20    | MCS0      | 3   | 144 | 5720        | 20.35                 | 19.75  | 20.35  |       | 23.98                                | 23.96 | 23.98 |       | 3.85                                      | 3.80  | 3.85  |       |
| VHT40    | MCS0      | 3   | 102 | 5510        | 50.11                 | 49.78  | 46.66  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT40    | MCS0      | 3   | 110 | 5550        | 69.52                 | 70.45  | 66.90  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT40    | MCS0      | 3   | 134 | 5670        | 69.50                 | 66.78  | 65.99  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT40    | MCS0      | 3   | 142 | 5710        | 50.82                 | 50.82  | 51.86  |       | 23.98                                | 23.98 | 23.98 |       | 3.09                                      | 3.15  | 3.16  |       |
| VHT80    | MCS0      | 3   | 106 | 5530        | 82.56                 | 82.14  | 81.28  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT80    | MCS0      | 3   | 122 | 5610        | 104.54                | 88.48  | 82.69  |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT80    | MCS0      | 3   | 138 | 5690        | 108.92                | 102.04 | 104.78 |       | 23.98                                | 23.98 | 23.98 |       | 3.24                                      | 3.24  | 3.17  |       |

| Band III |           |     |     |             |                       |       |       |       |                                      |       |       |       |                                           |       |       |       |
|----------|-----------|-----|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------------------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |       |       |
|          |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 | Ant 1                                     | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 4   | 100 | 5500        | 23.00                 | 22.70 | 22.70 | 22.75 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| 11a      | 6Mbps     | 4   | 116 | 5580        | 22.60                 | 22.60 | 22.50 | 22.50 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| 11a      | 6Mbps     | 4   | 140 | 5700        | 22.60                 | 22.80 | 22.40 | 22.50 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| 11a      | 6Mbps     | 4   | 144 | 5720        | 16.25                 | 16.40 | 16.20 | 16.15 | 23.11                                | 23.15 | 23.10 | 23.08 | 3.15                                      | 3.20  | 3.15  | 3.20  |
| VHT20    | MCS0      | 4   | 100 | 5500        | 22.70                 | 22.70 | 22.90 | 22.50 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT20    | MCS0      | 4   | 116 | 5580        | 23.10                 | 22.70 | 22.60 | 22.60 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT20    | MCS0      | 4   | 140 | 5700        | 23.10                 | 22.70 | 22.90 | 22.60 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT20    | MCS0      | 4   | 144 | 5720        | 16.50                 | 16.50 | 16.35 | 16.45 | 23.17                                | 23.17 | 23.14 | 23.16 | 3.85                                      | 3.80  | 3.80  | 3.85  |
| VHT40    | MCS0      | 4   | 102 | 5510        | 57.14                 | 52.74 | 50.76 | 51.58 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT40    | MCS0      | 4   | 110 | 5550        | 58.19                 | 51.45 | 63.49 | 58.50 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT40    | MCS0      | 4   | 134 | 5670        | 61.27                 | 57.17 | 61.97 | 62.58 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT40    | MCS0      | 4   | 142 | 5710        | 50.10                 | 37.45 | 48.03 | 41.86 | 23.98                                | 23.98 | 23.98 | 23.98 | 2.91                                      | 2.91  | 3.09  | 2.91  |
| VHT80    | MCS0      | 4   | 106 | 5530        | 82.56                 | 82.53 | 81.38 | 81.60 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT80    | MCS0      | 4   | 122 | 5610        | 109.14                | 93.76 | 82.88 | 94.35 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT80    | MCS0      | 4   | 138 | 5690        | 106.50                | 95.80 | 82.36 | 95.32 | 23.98                                | 23.98 | 23.98 | 23.98 | 3.24                                      | 3.24  | 3.08  | 3.08  |



| Band III |           |                 |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|----------|-----------|-----------------|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.     | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|          |           |                 |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 1               | 100 | 5500        | 17.00               |       |       |       | 23.30                              |       |       |       | 29.30                             |       |       |       |
| 11a      | 6Mbps     | 1               | 116 | 5580        | 19.35               |       |       |       | 23.87                              |       |       |       | 29.87                             |       |       |       |
| 11a      | 6Mbps     | 1               | 140 | 5700        | 17.25               |       |       |       | 23.37                              |       |       |       | 29.37                             |       |       |       |
| 11a      | 6Mbps     | 1               | 144 | 5720        | 16.15               |       |       |       | 23.08                              |       |       |       | 29.08                             |       |       |       |
| VHT20    | MCS0      | 1               | 100 | 5500        | 18.15               |       |       |       | 23.59                              |       |       |       | 29.59                             |       |       |       |
| VHT20    | MCS0      | 1               | 116 | 5580        | 21.05               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT20    | MCS0      | 1               | 140 | 5700        | 18.40               |       |       |       | 23.65                              |       |       |       | 29.65                             |       |       |       |
| VHT20    | MCS0      | 1               | 144 | 5720        | 17.20               |       |       |       | 23.36                              |       |       |       | 29.36                             |       |       |       |
| VHT40    | MCS0      | 1               | 102 | 5510        | 36.80               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT40    | MCS0      | 1               | 110 | 5550        | 40.70               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT40    | MCS0      | 1               | 134 | 5670        | 38.20               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT40    | MCS0      | 1               | 142 | 5710        | 44.40               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT80    | MCS0      | 1               | 106 | 5530        | 77.04               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT80    | MCS0      | 1               | 122 | 5610        | 78.12               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |
| VHT80    | MCS0      | 1               | 138 | 5690        | 77.72               |       |       |       | 23.98                              |       |       |       | 30.00                             |       |       |       |

| Band III |           |                 |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|----------|-----------|-----------------|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.     | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|          |           |                 |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 2               | 100 | 5500        | 17.05               | 16.95 |       |       | 23.32                              | 23.29 |       |       | 29.32                             | 29.29 |       |       |
| 11a      | 6Mbps     | 2               | 116 | 5580        | 17.05               | 16.95 |       |       | 23.32                              | 23.29 |       |       | 29.32                             | 29.29 |       |       |
| 11a      | 6Mbps     | 2               | 140 | 5700        | 17.05               | 17.00 |       |       | 23.32                              | 23.30 |       |       | 29.32                             | 29.30 |       |       |
| 11a      | 6Mbps     | 2               | 144 | 5720        | 13.85               | 13.45 |       |       | 22.41                              | 22.29 |       |       | 28.41                             | 28.29 |       |       |
| VHT20    | MCS0      | 2               | 100 | 5500        | 18.15               | 18.05 |       |       | 23.59                              | 23.56 |       |       | 29.59                             | 29.56 |       |       |
| VHT20    | MCS0      | 2               | 116 | 5580        | 18.20               | 18.05 |       |       | 23.60                              | 23.56 |       |       | 29.60                             | 29.56 |       |       |
| VHT20    | MCS0      | 2               | 140 | 5700        | 18.15               | 18.10 |       |       | 23.59                              | 23.58 |       |       | 29.59                             | 29.58 |       |       |
| VHT20    | MCS0      | 2               | 144 | 5720        | 14.05               | 14.05 |       |       | 22.48                              | 22.48 |       |       | 28.48                             | 28.48 |       |       |
| VHT40    | MCS0      | 2               | 102 | 5510        | 36.70               | 36.70 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40    | MCS0      | 2               | 110 | 5550        | 37.90               | 37.40 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40    | MCS0      | 2               | 134 | 5670        | 37.00               | 37.10 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40    | MCS0      | 2               | 142 | 5710        | 34.10               | 33.90 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80    | MCS0      | 2               | 106 | 5530        | 77.28               | 77.16 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80    | MCS0      | 2               | 122 | 5610        | 77.64               | 77.64 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80    | MCS0      | 2               | 138 | 5690        | 74.00               | 73.76 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |

| Band III |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|----------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|          |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 3   | 100 | 5500        | 17.10               | 16.90 | 16.95 |       | 23.33                              | 23.28 | 23.29 |       | 29.33                             | 29.28 | 29.29 |       |
| 11a      | 6Mbps     | 3   | 116 | 5580        | 17.00               | 16.85 | 17.00 |       | 23.30                              | 23.27 | 23.30 |       | 29.30                             | 29.27 | 29.30 |       |
| 11a      | 6Mbps     | 3   | 140 | 5700        | 17.05               | 16.85 | 16.90 |       | 23.32                              | 23.27 | 23.28 |       | 29.32                             | 29.27 | 29.28 |       |
| 11a      | 6Mbps     | 3   | 144 | 5720        | 13.50               | 13.35 | 13.35 |       | 22.30                              | 22.25 | 22.25 |       | 28.30                             | 28.25 | 28.25 |       |
| VHT20    | MCS0      | 3   | 100 | 5500        | 18.05               | 18.00 | 18.00 |       | 23.56                              | 23.55 | 23.55 |       | 29.56                             | 29.55 | 29.55 |       |
| VHT20    | MCS0      | 3   | 116 | 5580        | 18.15               | 18.00 | 17.95 |       | 23.59                              | 23.55 | 23.54 |       | 29.59                             | 29.55 | 29.54 |       |
| VHT20    | MCS0      | 3   | 140 | 5700        | 18.10               | 17.95 | 18.05 |       | 23.58                              | 23.54 | 23.56 |       | 29.58                             | 29.54 | 29.56 |       |
| VHT20    | MCS0      | 3   | 144 | 5720        | 14.00               | 13.95 | 14.00 |       | 22.46                              | 22.45 | 22.46 |       | 28.46                             | 28.45 | 28.46 |       |
| VHT40    | MCS0      | 3   | 102 | 5510        | 36.70               | 36.70 | 36.80 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40    | MCS0      | 3   | 110 | 5550        | 36.80               | 36.80 | 36.80 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40    | MCS0      | 3   | 134 | 5670        | 36.80               | 36.80 | 36.80 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40    | MCS0      | 3   | 142 | 5710        | 33.50               | 33.40 | 33.40 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80    | MCS0      | 3   | 106 | 5530        | 76.92               | 77.04 | 77.04 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80    | MCS0      | 3   | 122 | 5610        | 77.28               | 77.28 | 77.16 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80    | MCS0      | 3   | 138 | 5690        | 73.76               | 73.52 | 73.64 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |

| Band III |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|----------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|          |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| 11a      | 6Mbps     | 4   | 100 | 5500        | 17.05               | 16.95 | 16.95 | 16.90 | 23.32                              | 23.29 | 23.29 | 23.28 | 29.32                             | 29.29 | 29.29 | 29.28 |
| 11a      | 6Mbps     | 4   | 116 | 5580        | 17.10               | 17.10 | 17.00 | 16.95 | 23.33                              | 23.33 | 23.30 | 23.29 | 29.33                             | 29.33 | 29.30 | 29.29 |
| 11a      | 6Mbps     | 4   | 140 | 5700        | 17.05               | 17.10 | 17.00 | 17.00 | 23.32                              | 23.33 | 23.30 | 23.30 | 29.32                             | 29.33 | 29.30 | 29.30 |
| 11a      | 6Mbps     | 4   | 144 | 5720        | 13.55               | 13.50 | 13.50 | 13.50 | 22.32                              | 22.30 | 22.30 | 22.30 | 28.32                             | 28.30 | 28.30 | 28.30 |
| VHT20    | MCS0      | 4   | 100 | 5500        | 18.15               | 17.95 | 18.00 | 18.00 | 23.59                              | 23.54 | 23.55 | 23.55 | 29.59                             | 29.54 | 29.55 | 29.55 |
| VHT20    | MCS0      | 4   | 116 | 5580        | 18.10               | 17.95 | 18.00 | 18.00 | 23.58                              | 23.54 | 23.55 | 23.55 | 29.58                             | 29.54 | 29.55 | 29.55 |
| VHT20    | MCS0      | 4   | 140 | 5700        | 18.15               | 18.00 | 18.05 | 18.00 | 23.59                              | 23.55 | 23.56 | 23.55 | 29.59                             | 29.55 | 29.56 | 29.55 |
| VHT20    | MCS0      | 4   | 144 | 5720        | 14.05               | 14.00 | 14.00 | 14.00 | 22.48                              | 22.46 | 22.46 | 22.46 | 28.48                             | 28.46 | 28.46 | 28.46 |
| VHT40    | MCS0      | 4   | 102 | 5510        | 36.70               | 36.60 | 36.60 | 36.80 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40    | MCS0      | 4   | 110 | 5550        | 36.70               | 36.50 | 36.70 | 36.60 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40    | MCS0      | 4   | 134 | 5670        | 36.80               | 36.70 | 36.80 | 36.70 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40    | MCS0      | 4   | 142 | 5710        | 33.40               | 33.40 | 33.30 | 33.30 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80    | MCS0      | 4   | 106 | 5530        | 77.28               | 77.28 | 77.16 | 77.16 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80    | MCS0      | 4   | 122 | 5610        | 77.28               | 77.28 | 77.28 | 77.40 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80    | MCS0      | 4   | 138 | 5690        | 73.76               | 73.40 | 73.52 | 73.52 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |

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

| FCC Band III |           |     |     |             |     |                                               |       |       |       |       |                       |          |                      |                            |           |
|--------------|-----------|-----|-----|-------------|-----|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | Ant | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             |     | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a          | 6Mbps     | 1   | 100 | 5500        | 1   | 18.20                                         |       |       |       | 18.20 | 23.98                 | 3.10     | 21.30                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 1   | 116 | 5580        | 1   | 21.80                                         |       |       |       | 21.80 | 23.98                 | 3.10     | 24.90                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 1   | 140 | 5700        | 1   | 18.90                                         |       |       |       | 18.90 | 23.98                 | 3.10     | 22.00                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 1   | 144 | 5720        | 1   | 22.10                                         |       |       |       | 22.10 | 23.98                 | 3.10     | 25.20                | 30.00                      | Pass      |
| HT20         | MCS0      | 1   | 100 | 5500        | 1   | 18.10                                         |       |       |       | 18.10 | 23.98                 | 3.10     | 21.20                | 30.00                      | Pass      |
| HT20         | MCS0      | 1   | 116 | 5580        | 1   | 21.80                                         |       |       |       | 21.80 | 23.98                 | 3.10     | 24.90                | 30.00                      | Pass      |
| HT20         | MCS0      | 1   | 140 | 5700        | 1   | 19.00                                         |       |       |       | 19.00 | 23.98                 | 3.10     | 22.10                | 30.00                      | Pass      |
| HT20         | MCS0      | 1   | 144 | 5720        | 1   | 22.10                                         |       |       |       | 22.10 | 23.98                 | 3.10     | 25.20                | 30.00                      | Pass      |
| HT40         | MCS0      | 1   | 102 | 5510        | 1   | 17.00                                         |       |       |       | 17.00 | 23.98                 | 3.10     | 20.10                | 30.00                      | Pass      |
| HT40         | MCS0      | 1   | 110 | 5550        | 1   | 21.90                                         |       |       |       | 21.90 | 23.98                 | 3.10     | 25.00                | 30.00                      | Pass      |
| HT40         | MCS0      | 1   | 134 | 5670        | 1   | 20.80                                         |       |       |       | 20.80 | 23.98                 | 3.10     | 23.90                | 30.00                      | Pass      |
| HT40         | MCS0      | 1   | 142 | 5710        | 1   | 23.10                                         |       |       |       | 23.10 | 23.98                 | 3.10     | 26.20                | 30.00                      | Pass      |
| VHT20        | MCS0      | 1   | 100 | 5500        | 1   | 18.20                                         |       |       |       | 18.20 | 23.98                 | 3.10     | 21.30                | 30.00                      | Pass      |
| VHT20        | MCS0      | 1   | 116 | 5580        | 1   | 21.90                                         |       |       |       | 21.90 | 23.98                 | 3.10     | 25.00                | 30.00                      | Pass      |
| VHT20        | MCS0      | 1   | 140 | 5700        | 1   | 19.10                                         |       |       |       | 19.10 | 23.98                 | 3.10     | 22.20                | 30.00                      | Pass      |
| VHT20        | MCS0      | 1   | 144 | 5720        | 1   | 22.20                                         |       |       |       | 22.20 | 23.98                 | 3.10     | 25.30                | 30.00                      | Pass      |
| VHT40        | MCS0      | 1   | 102 | 5510        | 1   | 17.20                                         |       |       |       | 17.20 | 23.98                 | 3.10     | 20.30                | 30.00                      | Pass      |
| VHT40        | MCS0      | 1   | 110 | 5550        | 1   | 22.00                                         |       |       |       | 22.00 | 23.98                 | 3.10     | 25.10                | 30.00                      | Pass      |
| VHT40        | MCS0      | 1   | 134 | 5670        | 1   | 21.00                                         |       |       |       | 21.00 | 23.98                 | 3.10     | 24.10                | 30.00                      | Pass      |
| VHT40        | MCS0      | 1   | 142 | 5710        | 1   | 23.20                                         |       |       |       | 23.20 | 23.98                 | 3.10     | 26.30                | 30.00                      | Pass      |
| VHT80        | MCS0      | 1   | 106 | 5530        | 1   | 14.90                                         |       |       |       | 14.90 | 23.98                 | 3.10     | 18.00                | 30.00                      | Pass      |
| VHT80        | MCS0      | 1   | 122 | 5610        | 1   | 20.50                                         |       |       |       | 20.50 | 23.98                 | 3.10     | 23.60                | 30.00                      | Pass      |
| VHT80        | MCS0      | 1   | 138 | 5690        | 1   | 22.80                                         |       |       |       | 22.80 | 23.98                 | 3.10     | 25.90                | 30.00                      | Pass      |

| FCC Band III |           |                 |     |             |     |                                               |       |       |       |       |                       |          |                      |                            |           |
|--------------|-----------|-----------------|-----|-------------|-----|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.         | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|              |           |                 |     |             |     | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a          | 6Mbps     | 2               | 100 | 5500        | 1+2 | 17.60                                         | 17.40 |       |       | 20.51 | 23.98                 | 4.40     | 24.91                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 2               | 116 | 5580        | 1+2 | 17.90                                         | 17.20 |       |       | 20.57 | 23.98                 | 4.40     | 24.97                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 2               | 140 | 5700        | 1+2 | 17.20                                         | 16.60 |       |       | 19.92 | 23.98                 | 4.40     | 24.32                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 2               | 144 | 5720        | 1+2 | 17.90                                         | 17.90 |       |       | 20.91 | 23.98                 | 4.40     | 25.31                | 30.00                      | Pass      |
| HT20         | MCS0      | 2               | 100 | 5500        | 1+2 | 18.20                                         | 17.60 |       |       | 20.92 | 23.98                 | 4.40     | 25.32                | 30.00                      | Pass      |
| HT20         | MCS0      | 2               | 116 | 5580        | 1+2 | 18.10                                         | 17.50 |       |       | 20.82 | 23.98                 | 4.40     | 25.22                | 30.00                      | Pass      |
| HT20         | MCS0      | 2               | 140 | 5700        | 1+2 | 16.90                                         | 16.60 |       |       | 19.76 | 23.98                 | 4.40     | 24.16                | 30.00                      | Pass      |
| HT20         | MCS0      | 2               | 144 | 5720        | 1+2 | 18.20                                         | 18.40 |       |       | 21.31 | 23.98                 | 4.40     | 25.71                | 30.00                      | Pass      |
| HT40         | MCS0      | 2               | 102 | 5510        | 1+2 | 16.40                                         | 17.00 |       |       | 19.72 | 23.98                 | 4.40     | 24.12                | 30.00                      | Pass      |
| HT40         | MCS0      | 2               | 110 | 5550        | 1+2 | 20.60                                         | 20.70 |       |       | 23.66 | 23.98                 | 4.40     | 28.06                | 30.00                      | Pass      |
| HT40         | MCS0      | 2               | 134 | 5670        | 1+2 | 18.50                                         | 18.80 |       |       | 21.66 | 23.98                 | 4.40     | 26.06                | 30.00                      | Pass      |
| HT40         | MCS0      | 2               | 142 | 5710        | 1+2 | 20.50                                         | 21.00 |       |       | 23.77 | 23.98                 | 4.40     | 28.17                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2               | 100 | 5500        | 1+2 | 18.30                                         | 17.70 |       |       | 21.02 | 23.98                 | 4.40     | 25.42                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2               | 116 | 5580        | 1+2 | 18.20                                         | 17.60 |       |       | 20.92 | 23.98                 | 4.40     | 25.32                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2               | 140 | 5700        | 1+2 | 17.10                                         | 16.80 |       |       | 19.96 | 23.98                 | 4.40     | 24.36                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2               | 144 | 5720        | 1+2 | 18.30                                         | 18.50 |       |       | 21.41 | 23.98                 | 4.40     | 25.81                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2               | 102 | 5510        | 1+2 | 16.50                                         | 17.10 |       |       | 19.82 | 23.98                 | 4.40     | 24.22                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2               | 110 | 5550        | 1+2 | 20.70                                         | 20.80 |       |       | 23.76 | 23.98                 | 4.40     | 28.16                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2               | 134 | 5670        | 1+2 | 18.70                                         | 18.90 |       |       | 21.81 | 23.98                 | 4.40     | 26.21                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2               | 142 | 5710        | 1+2 | 20.60                                         | 21.10 |       |       | 23.87 | 23.98                 | 4.40     | 28.27                | 30.00                      | Pass      |
| VHT80        | MCS0      | 2               | 106 | 5530        | 1+2 | 15.90                                         | 16.10 |       |       | 19.01 | 23.98                 | 4.40     | 23.41                | 30.00                      | Pass      |
| VHT80        | MCS0      | 2               | 122 | 5610        | 1+2 | 19.70                                         | 19.60 |       |       | 22.66 | 23.98                 | 4.40     | 27.06                | 30.00                      | Pass      |
| VHT80        | MCS0      | 2               | 138 | 5690        | 1+2 | 21.00                                         | 20.70 |       |       | 23.86 | 23.98                 | 4.40     | 28.26                | 30.00                      | Pass      |

| FCC Band III |           |                 |     |             |       |                                               |       |       |       |       |                       |          |                      |                            |           |
|--------------|-----------|-----------------|-----|-------------|-------|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.         | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant   | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|              |           |                 |     |             |       | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a          | 6Mbps     | 3               | 100 | 5500        | 1+2+3 | 15.60                                         | 15.20 | 15.00 |       | 20.05 | 23.98                 | 4.40     | 24.45                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 3               | 116 | 5580        | 1+2+3 | 15.40                                         | 15.10 | 14.80 |       | 19.88 | 23.98                 | 4.40     | 24.28                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 3               | 140 | 5700        | 1+2+3 | 15.30                                         | 15.70 | 15.20 |       | 20.18 | 23.98                 | 4.40     | 24.58                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 3               | 144 | 5720        | 1+2+3 | 15.60                                         | 15.40 | 15.50 |       | 20.27 | 23.08                 | 4.40     | 24.67                | 30.00                      | Pass      |
| HT20         | MCS0      | 3               | 100 | 5500        | 1+2+3 | 15.50                                         | 15.10 | 15.30 |       | 20.07 | 23.98                 | 4.40     | 24.47                | 30.00                      | Pass      |
| HT20         | MCS0      | 3               | 116 | 5580        | 1+2+3 | 15.60                                         | 15.30 | 15.20 |       | 20.14 | 23.98                 | 4.40     | 24.54                | 30.00                      | Pass      |
| HT20         | MCS0      | 3               | 140 | 5700        | 1+2+3 | 15.30                                         | 15.40 | 15.30 |       | 20.10 | 23.98                 | 4.40     | 24.50                | 30.00                      | Pass      |
| HT20         | MCS0      | 3               | 144 | 5720        | 1+2+3 | 15.70                                         | 15.50 | 15.80 |       | 20.44 | 23.98                 | 4.40     | 24.84                | 30.00                      | Pass      |
| HT40         | MCS0      | 3               | 102 | 5510        | 1+2+3 | 15.00                                         | 15.40 | 14.20 |       | 19.67 | 23.98                 | 4.40     | 24.07                | 30.00                      | Pass      |
| HT40         | MCS0      | 3               | 110 | 5550        | 1+2+3 | 18.20                                         | 18.30 | 17.70 |       | 22.85 | 23.98                 | 4.40     | 27.25                | 30.00                      | Pass      |
| HT40         | MCS0      | 3               | 134 | 5670        | 1+2+3 | 16.80                                         | 16.80 | 16.40 |       | 21.44 | 23.98                 | 4.40     | 25.84                | 30.00                      | Pass      |
| HT40         | MCS0      | 3               | 142 | 5710        | 1+2+3 | 18.50                                         | 18.50 | 18.30 |       | 23.21 | 23.98                 | 4.40     | 27.61                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3               | 100 | 5500        | 1+2+3 | 15.60                                         | 15.20 | 15.40 |       | 20.17 | 23.98                 | 4.40     | 24.57                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3               | 116 | 5580        | 1+2+3 | 15.70                                         | 15.40 | 15.30 |       | 20.24 | 23.98                 | 4.40     | 24.64                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3               | 140 | 5700        | 1+2+3 | 15.40                                         | 15.50 | 15.40 |       | 20.20 | 23.98                 | 4.40     | 24.60                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3               | 144 | 5720        | 1+2+3 | 15.80                                         | 15.60 | 15.90 |       | 20.54 | 23.96                 | 4.40     | 24.94                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3               | 102 | 5510        | 1+2+3 | 15.20                                         | 15.50 | 14.70 |       | 19.92 | 23.98                 | 4.40     | 24.32                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3               | 110 | 5550        | 1+2+3 | 18.30                                         | 18.40 | 17.80 |       | 22.95 | 23.98                 | 4.40     | 27.35                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3               | 134 | 5670        | 1+2+3 | 16.90                                         | 16.90 | 16.50 |       | 21.54 | 23.98                 | 4.40     | 25.94                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3               | 142 | 5710        | 1+2+3 | 18.60                                         | 18.60 | 18.40 |       | 23.31 | 23.98                 | 4.40     | 27.71                | 30.00                      | Pass      |
| VHT80        | MCS0      | 3               | 106 | 5530        | 1+2+3 | 14.40                                         | 14.60 | 14.30 |       | 19.21 | 23.98                 | 4.40     | 23.61                | 30.00                      | Pass      |
| VHT80        | MCS0      | 3               | 122 | 5610        | 1+2+3 | 17.60                                         | 17.40 | 17.00 |       | 22.11 | 23.98                 | 4.40     | 26.51                | 30.00                      | Pass      |
| VHT80        | MCS0      | 3               | 138 | 5690        | 1+2+3 | 19.00                                         | 18.60 | 18.30 |       | 23.41 | 23.98                 | 4.40     | 27.81                | 30.00                      | Pass      |

| FCC Band III |           |     |     |             |        |                                               |       |       |       |       |                       |          |                      |                            |           |
|--------------|-----------|-----|-----|-------------|--------|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | Ant    | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             |        | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| 11a          | 6Mbps     | 4   | 100 | 5500        | +2+3+4 | 13.20                                         | 13.00 | 12.70 | 12.20 | 18.81 | 23.98                 | 4.40     | 23.21                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 4   | 116 | 5580        | +2+3+4 | 13.10                                         | 12.60 | 11.90 | 11.90 | 18.43 | 23.98                 | 4.40     | 22.83                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 4   | 140 | 5700        | +2+3+4 | 12.60                                         | 12.60 | 12.10 | 11.80 | 18.31 | 23.98                 | 4.40     | 22.71                | 30.00                      | Pass      |
| 11a          | 6Mbps     | 4   | 144 | 5720        | +2+3+4 | 12.60                                         | 12.70 | 12.40 | 11.70 | 18.39 | 23.08                 | 4.40     | 22.79                | 30.00                      | Pass      |
| HT20         | MCS0      | 4   | 100 | 5500        | +2+3+4 | 13.00                                         | 12.90 | 12.50 | 11.90 | 18.62 | 23.98                 | 4.40     | 23.02                | 30.00                      | Pass      |
| HT20         | MCS0      | 4   | 116 | 5580        | +2+3+4 | 12.70                                         | 12.30 | 12.30 | 11.80 | 18.31 | 23.98                 | 4.40     | 22.71                | 30.00                      | Pass      |
| HT20         | MCS0      | 4   | 140 | 5700        | +2+3+4 | 12.80                                         | 13.30 | 12.80 | 12.30 | 18.83 | 23.98                 | 4.40     | 23.23                | 30.00                      | Pass      |
| HT20         | MCS0      | 4   | 144 | 5720        | +2+3+4 | 12.90                                         | 13.20 | 12.60 | 12.20 | 18.76 | 23.98                 | 4.40     | 23.16                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 102 | 5510        | +2+3+4 | 15.30                                         | 15.60 | 14.80 | 15.00 | 21.21 | 23.98                 | 4.40     | 25.61                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 110 | 5550        | +2+3+4 | 15.40                                         | 15.70 | 14.80 | 15.10 | 21.28 | 23.98                 | 4.40     | 25.68                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 134 | 5670        | +2+3+4 | 15.40                                         | 15.60 | 15.30 | 14.80 | 21.31 | 23.98                 | 4.40     | 25.71                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 142 | 5710        | +2+3+4 | 15.50                                         | 15.60 | 15.10 | 14.90 | 21.30 | 23.98                 | 4.40     | 25.70                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 100 | 5500        | +2+3+4 | 13.10                                         | 13.00 | 12.60 | 12.00 | 18.72 | 23.98                 | 4.40     | 23.12                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 116 | 5580        | +2+3+4 | 12.80                                         | 12.40 | 12.40 | 11.90 | 18.41 | 23.98                 | 4.40     | 22.81                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 140 | 5700        | +2+3+4 | 12.90                                         | 13.40 | 12.90 | 12.40 | 18.93 | 23.98                 | 4.40     | 23.33                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 144 | 5720        | +2+3+4 | 13.00                                         | 13.40 | 12.70 | 12.30 | 18.89 | 23.14                 | 4.40     | 23.29                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 102 | 5510        | +2+3+4 | 15.40                                         | 15.70 | 14.90 | 15.10 | 21.31 | 23.98                 | 4.40     | 25.71                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 110 | 5550        | +2+3+4 | 15.50                                         | 15.80 | 14.90 | 15.20 | 21.38 | 23.98                 | 4.40     | 25.78                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 134 | 5670        | +2+3+4 | 15.50                                         | 15.70 | 15.40 | 14.90 | 21.41 | 23.98                 | 4.40     | 25.81                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 142 | 5710        | +2+3+4 | 15.70                                         | 15.80 | 15.20 | 15.00 | 21.46 | 23.98                 | 4.40     | 25.86                | 30.00                      | Pass      |
| VHT80        | MCS0      | 4   | 106 | 5530        | +2+3+4 | 14.80                                         | 14.80 | 14.00 | 15.20 | 20.74 | 23.98                 | 4.40     | 25.14                | 30.00                      | Pass      |
| VHT80        | MCS0      | 4   | 122 | 5610        | +2+3+4 | 16.80                                         | 17.00 | 16.50 | 16.60 | 22.75 | 23.98                 | 4.40     | 27.15                | 30.00                      | Pass      |
| VHT80        | MCS0      | 4   | 138 | 5690        | +2+3+4 | 18.30                                         | 17.90 | 17.30 | 17.30 | 23.74 | 23.98                 | 4.40     | 28.14                | 30.00                      | Pass      |

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

| Band III |           |                 |     |             |     |                  |       |       |       |                                        |                     |          |            |
|----------|-----------|-----------------|-----|-------------|-----|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.     | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|          |           |                 |     |             |     | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| 11a      | 6Mbps     | 1               | 100 | 5500        | 1   | 0.28             |       |       |       | 7.00                                   | 11.00               | 3.10     | Pass       |
| 11a      | 6Mbps     | 1               | 116 | 5580        | 1   | 0.28             |       |       |       | 10.73                                  | 11.00               | 3.10     | Pass       |
| 11a      | 6Mbps     | 1               | 140 | 5700        | 1   | 0.28             |       |       |       | 7.42                                   | 11.00               | 3.10     | Pass       |
| 11a      | 6Mbps     | 1               | 144 | 5720        | 1   | 0.28             |       |       |       | 10.91                                  | 11.00               | 3.10     | Pass       |
| VHT20    | MCS0      | 1               | 100 | 5500        | 1   | 0.08             |       |       |       | 7.07                                   | 11.00               | 3.10     | Pass       |
| VHT20    | MCS0      | 1               | 116 | 5580        | 1   | 0.08             |       |       |       | 10.88                                  | 11.00               | 3.10     | Pass       |
| VHT20    | MCS0      | 1               | 140 | 5700        | 1   | 0.08             |       |       |       | 7.53                                   | 11.00               | 3.10     | Pass       |
| VHT20    | MCS0      | 1               | 144 | 5720        | 1   | 0.08             |       |       |       | 10.92                                  | 11.00               | 3.10     | Pass       |
| VHT40    | MCS0      | 1               | 102 | 5510        | 1   | 0.16             |       |       |       | 3.09                                   | 11.00               | 3.10     | Pass       |
| VHT40    | MCS0      | 1               | 110 | 5550        | 1   | 0.16             |       |       |       | 7.93                                   | 11.00               | 3.10     | Pass       |
| VHT40    | MCS0      | 1               | 134 | 5670        | 1   | 0.16             |       |       |       | 6.76                                   | 11.00               | 3.10     | Pass       |
| VHT40    | MCS0      | 1               | 142 | 5710        | 1   | 0.16             |       |       |       | 8.86                                   | 11.00               | 3.10     | Pass       |
| VHT80    | MCS0      | 1               | 106 | 5530        | 1   | 0.32             |       |       |       | -1.74                                  | 11.00               | 3.10     | Pass       |
| VHT80    | MCS0      | 1               | 122 | 5610        | 1   | 0.32             |       |       |       | 3.41                                   | 11.00               | 3.10     | Pass       |
| VHT80    | MCS0      | 1               | 138 | 5690        | 1   | 0.32             |       |       |       | 5.53                                   | 11.00               | 3.10     | Pass       |

| Band III |           |                 |     |             |     |                  |       |       |       |                                        |                     |          |            |
|----------|-----------|-----------------|-----|-------------|-----|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.     | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|          |           |                 |     |             |     | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| 11a      | 6Mbps     | 2               | 100 | 5500        | 1+2 | 0.23             | 0.27  |       |       | 9.83                                   | 10.22               | 6.78     | Pass       |
| 11a      | 6Mbps     | 2               | 116 | 5580        | 1+2 | 0.23             | 0.27  |       |       | 10.06                                  | 10.22               | 6.78     | Pass       |
| 11a      | 6Mbps     | 2               | 140 | 5700        | 1+2 | 0.23             | 0.27  |       |       | 9.26                                   | 10.22               | 6.78     | Pass       |
| 11a      | 6Mbps     | 2               | 144 | 5720        | 1+2 | 0.23             | 0.27  |       |       | 10.12                                  | 10.22               | 6.78     | Pass       |
| VHT20    | MCS0      | 2               | 100 | 5500        | 1+2 | 0.07             | 0.09  |       |       | 10.06                                  | 10.22               | 6.78     | Pass       |
| VHT20    | MCS0      | 2               | 116 | 5580        | 1+2 | 0.07             | 0.09  |       |       | 10.07                                  | 10.22               | 6.78     | Pass       |
| VHT20    | MCS0      | 2               | 140 | 5700        | 1+2 | 0.07             | 0.09  |       |       | 9.00                                   | 10.22               | 6.78     | Pass       |
| VHT20    | MCS0      | 2               | 144 | 5720        | 1+2 | 0.07             | 0.09  |       |       | 10.12                                  | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2               | 102 | 5510        | 1+2 | 0.13             | 0.18  |       |       | 6.08                                   | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2               | 110 | 5550        | 1+2 | 0.13             | 0.18  |       |       | 10.05                                  | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2               | 134 | 5670        | 1+2 | 0.13             | 0.18  |       |       | 7.80                                   | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2               | 142 | 5710        | 1+2 | 0.13             | 0.18  |       |       | 9.90                                   | 10.22               | 6.78     | Pass       |
| VHT80    | MCS0      | 2               | 106 | 5530        | 1+2 | 0.30             | 0.32  |       |       | 2.44                                   | 10.22               | 6.78     | Pass       |
| VHT80    | MCS0      | 2               | 122 | 5610        | 1+2 | 0.30             | 0.32  |       |       | 6.04                                   | 10.22               | 6.78     | Pass       |
| VHT80    | MCS0      | 2               | 138 | 5690        | 1+2 | 0.30             | 0.32  |       |       | 6.72                                   | 10.22               | 6.78     | Pass       |

| Band III |           |     |     |             |       |                  |       |       |       |                                        |                     |          |            |
|----------|-----------|-----|-----|-------------|-------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Ant   | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|          |           |     |     |             |       | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| 11a      | 6Mbps     | 3   | 100 | 5500        | 1+2+3 | 0.23             | 0.22  | 0.27  |       | 8.61                                   | 8.67                | 8.33     | Pass       |
| 11a      | 6Mbps     | 3   | 116 | 5580        | 1+2+3 | 0.23             | 0.22  | 0.27  |       | 8.43                                   | 8.67                | 8.33     | Pass       |
| 11a      | 6Mbps     | 3   | 140 | 5700        | 1+2+3 | 0.23             | 0.22  | 0.27  |       | 8.59                                   | 8.67                | 8.33     | Pass       |
| 11a      | 6Mbps     | 3   | 144 | 5720        | 1+2+3 | 0.23             | 0.22  | 0.27  |       | 8.51                                   | 8.67                | 8.33     | Pass       |
| VHT20    | MCS0      | 3   | 100 | 5500        | 1+2+3 | 0.08             | 0.07  | 0.07  |       | 8.48                                   | 8.67                | 8.33     | Pass       |
| VHT20    | MCS0      | 3   | 116 | 5580        | 1+2+3 | 0.08             | 0.07  | 0.07  |       | 8.51                                   | 8.67                | 8.33     | Pass       |
| VHT20    | MCS0      | 3   | 140 | 5700        | 1+2+3 | 0.08             | 0.07  | 0.07  |       | 8.39                                   | 8.67                | 8.33     | Pass       |
| VHT20    | MCS0      | 3   | 144 | 5720        | 1+2+3 | 0.08             | 0.07  | 0.07  |       | 8.52                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 102 | 5510        | 1+2+3 | 0.18             | 0.16  | 0.16  |       | 5.41                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 110 | 5550        | 1+2+3 | 0.18             | 0.16  | 0.16  |       | 8.49                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 134 | 5670        | 1+2+3 | 0.18             | 0.16  | 0.16  |       | 6.92                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 142 | 5710        | 1+2+3 | 0.18             | 0.16  | 0.16  |       | 8.51                                   | 8.67                | 8.33     | Pass       |
| VHT80    | MCS0      | 3   | 106 | 5530        | 1+2+3 | 0.29             | 0.31  | 0.30  |       | 0.85                                   | 8.67                | 8.33     | Pass       |
| VHT80    | MCS0      | 3   | 122 | 5610        | 1+2+3 | 0.29             | 0.31  | 0.30  |       | 3.60                                   | 8.67                | 8.33     | Pass       |
| VHT80    | MCS0      | 3   | 138 | 5690        | 1+2+3 | 0.29             | 0.31  | 0.30  |       | 4.97                                   | 8.67                | 8.33     | Pass       |

| Band III |           |     |     |             |         |                  |       |       |       |                                        |                     |          |            |
|----------|-----------|-----|-----|-------------|---------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Ant     | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|          |           |     |     |             |         | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| 11a      | 6Mbps     | 4   | 100 | 5500        | 1+2+3+4 | 0.25             | 0.23  | 0.27  | 0.23  | 7.21                                   | 7.31                | 9.69     | Pass       |
| 11a      | 6Mbps     | 4   | 116 | 5580        | 1+2+3+4 | 0.25             | 0.23  | 0.27  | 0.23  | 7.23                                   | 7.31                | 9.69     | Pass       |
| 11a      | 6Mbps     | 4   | 140 | 5700        | 1+2+3+4 | 0.25             | 0.23  | 0.27  | 0.23  | 7.12                                   | 7.31                | 9.69     | Pass       |
| 11a      | 6Mbps     | 4   | 144 | 5720        | 1+2+3+4 | 0.25             | 0.23  | 0.27  | 0.23  | 7.14                                   | 7.31                | 9.69     | Pass       |
| VHT20    | MCS0      | 4   | 100 | 5500        | 1+2+3+4 | 0.09             | 0.08  | 0.11  | 0.08  | 7.22                                   | 7.31                | 9.69     | Pass       |
| VHT20    | MCS0      | 4   | 116 | 5580        | 1+2+3+4 | 0.09             | 0.08  | 0.11  | 0.08  | 7.08                                   | 7.31                | 9.69     | Pass       |
| VHT20    | MCS0      | 4   | 140 | 5700        | 1+2+3+4 | 0.09             | 0.08  | 0.11  | 0.08  | 7.23                                   | 7.31                | 9.69     | Pass       |
| VHT20    | MCS0      | 4   | 144 | 5720        | 1+2+3+4 | 0.09             | 0.08  | 0.11  | 0.08  | 7.19                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 102 | 5510        | 1+2+3+4 | 0.16             | 0.16  | 0.18  | 0.13  | 7.16                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 110 | 5550        | 1+2+3+4 | 0.16             | 0.16  | 0.18  | 0.13  | 7.29                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 134 | 5670        | 1+2+3+4 | 0.16             | 0.16  | 0.18  | 0.13  | 7.18                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 142 | 5710        | 1+2+3+4 | 0.16             | 0.16  | 0.18  | 0.13  | 7.10                                   | 7.31                | 9.69     | Pass       |
| VHT80    | MCS0      | 4   | 106 | 5530        | 1+2+3+4 | 0.31             | 0.31  | 0.26  | 0.32  | 3.48                                   | 7.31                | 9.69     | Pass       |
| VHT80    | MCS0      | 4   | 122 | 5610        | 1+2+3+4 | 0.31             | 0.31  | 0.26  | 0.32  | 5.72                                   | 7.31                | 9.69     | Pass       |
| VHT80    | MCS0      | 4   | 138 | 5690        | 1+2+3+4 | 0.31             | 0.31  | 0.26  | 0.32  | 6.18                                   | 7.31                | 9.69     | Pass       |

## &lt;TXBF Mode&gt;

|                |              |                    |       |    |
|----------------|--------------|--------------------|-------|----|
| Test Engineer: | Eason Huang  | Temperature:       | 21~25 | °C |
| Test Date:     | 2019/4/2~4/9 | Relative Humidity: | 51~54 | %  |



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

| Band II |           |     |     |             |                       |       |       |       |                                      |       |       |       |      |
|---------|-----------|-----|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|------|
| Mod.    | Data Rate | NTx | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | Note |
|         |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 |      |
| VHT20   | MCS0      | 2   | 52  | 5260        | 40.76                 | 40.56 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT20   | MCS0      | 2   | 60  | 5300        | 43.06                 | 42.16 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT20   | MCS0      | 2   | 64  | 5320        | 36.61                 | 35.02 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT40   | MCS0      | 2   | 54  | 5270        | 67.43                 | 47.02 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT40   | MCS0      | 2   | 62  | 5310        | 40.73                 | 40.55 |       |       | 23.98                                | 23.98 |       |       |      |
| VHT80   | MCS0      | 2   | 58  | 5290        | 81.84                 | 81.36 |       |       | 23.98                                | 23.98 |       |       |      |

| Band II |           |     |     |             |                       |       |       |                                                                                       |                                      |       |       |                                                                                       |      |
|---------|-----------|-----|-----|-------------|-----------------------|-------|-------|---------------------------------------------------------------------------------------|--------------------------------------|-------|-------|---------------------------------------------------------------------------------------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |                                                                                       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |                                                                                       | Note |
|         |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4                                                                                 | Ant 1                                | Ant 2 | Ant 3 | Ant 4                                                                                 |      |
| VHT20   | MCS0      | 3   | 52  | 5260        | 35.71                 | 22.58 | 36.76 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT20   | MCS0      | 3   | 60  | 5300        | 29.07                 | 25.23 | 38.81 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT20   | MCS0      | 3   | 64  | 5320        | 36.51                 | 22.73 | 38.56 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT40   | MCS0      | 3   | 54  | 5270        | 61.95                 | 41.18 | 68.78 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT40   | MCS0      | 3   | 62  | 5310        | 41.09                 | 41.00 | 45.76 |  | 23.98                                | 23.98 | 23.98 |  |      |
| VHT80   | MCS0      | 3   | 58  | 5290        | 81.52                 | 81.04 | 80.08 |  | 23.98                                | 23.98 | 23.98 |  |      |

| Band II |           |     |     |             |                       |       |       |       |                                      |       |       |       |      |
|---------|-----------|-----|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | Note |
|         |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 |      |
| VHT20   | MCS0      | 4   | 52  | 5260        | 22.73                 | 22.43 | 27.47 | 22.68 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT20   | MCS0      | 4   | 60  | 5300        | 22.43                 | 22.53 | 22.83 | 22.73 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT20   | MCS0      | 4   | 64  | 5320        | 22.78                 | 22.48 | 26.02 | 22.83 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT40   | MCS0      | 4   | 54  | 5270        | 40.73                 | 40.46 | 40.82 | 41.27 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT40   | MCS0      | 4   | 62  | 5310        | 40.82                 | 40.55 | 41.09 | 41.27 | 23.98                                | 23.98 | 23.98 | 23.98 |      |
| VHT80   | MCS0      | 4   | 58  | 5290        | 81.36                 | 81.36 | 81.36 | 81.04 | 23.98                                | 23.98 | 23.98 | 23.98 |      |

| Band II |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|---------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|         |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| VHT20   | MCS0      | 2   | 52  | 5260        | 19.23               | 18.63 |       |       | 23.84                              | 23.70 |       |       | 29.84                             | 29.70 |       |       |
| VHT20   | MCS0      | 2   | 60  | 5300        | 19.33               | 18.43 |       |       | 23.86                              | 23.66 |       |       | 29.86                             | 29.66 |       |       |
| VHT20   | MCS0      | 2   | 64  | 5320        | 18.38               | 17.93 |       |       | 23.64                              | 23.54 |       |       | 29.64                             | 29.54 |       |       |
| VHT40   | MCS0      | 2   | 54  | 5270        | 37.06               | 36.66 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40   | MCS0      | 2   | 62  | 5310        | 36.76               | 36.56 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80   | MCS0      | 2   | 58  | 5290        | 77.68               | 76.48 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |

| Band II |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|---------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|         |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| VHT20   | MCS0      | 3   | 52  | 5260        | 18.23               | 17.98 | 18.33 |       | 23.61                              | 23.55 | 23.63 |       | 29.61                             | 29.55 | 29.63 |       |
| VHT20   | MCS0      | 3   | 60  | 5300        | 18.23               | 18.13 | 18.53 |       | 23.61                              | 23.58 | 23.68 |       | 29.61                             | 29.58 | 29.68 |       |
| VHT20   | MCS0      | 3   | 64  | 5320        | 18.33               | 18.13 | 18.43 |       | 23.63                              | 23.58 | 23.66 |       | 29.63                             | 29.58 | 29.66 |       |
| VHT40   | MCS0      | 3   | 54  | 5270        | 36.86               | 36.46 | 36.86 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40   | MCS0      | 3   | 62  | 5310        | 36.86               | 36.76 | 36.66 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80   | MCS0      | 3   | 58  | 5290        | 77.32               | 77.80 | 77.32 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |

| Band II |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|---------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
|         | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|         |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| VHT20   | MCS0      | 4   | 52  | 5260        | 18.13               | 17.98 | 18.03 | 18.23 | 23.58                              | 23.55 | 23.56 | 23.61 | 29.58                             | 29.55 | 29.56 | 29.61 |
| VHT20   | MCS0      | 4   | 60  | 5300        | 17.98               | 18.03 | 18.18 | 18.08 | 23.55                              | 23.56 | 23.60 | 23.57 | 29.55                             | 29.56 | 29.60 | 29.57 |
| VHT20   | MCS0      | 4   | 64  | 5320        | 18.13               | 17.98 | 18.18 | 18.13 | 23.58                              | 23.55 | 23.60 | 23.58 | 29.58                             | 29.55 | 29.60 | 29.58 |
| VHT40   | MCS0      | 4   | 54  | 5270        | 36.66               | 36.46 | 36.86 | 36.56 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40   | MCS0      | 4   | 62  | 5310        | 36.76               | 36.66 | 36.66 | 36.56 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80   | MCS0      | 4   | 58  | 5290        | 77.56               | 76.96 | 77.44 | 77.56 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |

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

| FCC Band II |           |     |     |             |     |                                               |       |       |       |       |                       |          |                      |                            |           |
|-------------|-----------|-----|-----|-------------|-----|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.        | Data Rate | NTx | CH. | Freq. (MHz) | Ant | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|             |           |     |     |             |     | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| HT20        | MCS0      | 2   | 52  | 5260        | 1+2 | 20.80                                         | 20.10 |       |       | 23.47 | 23.76                 | 6.22     | 29.69                | 30.00                      | Pass      |
| HT20        | MCS0      | 2   | 60  | 5300        | 1+2 | 20.80                                         | 20.20 |       |       | 23.52 | 23.76                 | 6.22     | 29.74                | 30.00                      | Pass      |
| HT20        | MCS0      | 2   | 64  | 5320        | 1+2 | 18.40                                         | 17.70 |       |       | 21.07 | 23.76                 | 6.22     | 27.29                | 30.00                      | Pass      |
| HT40        | MCS0      | 2   | 54  | 5270        | 1+2 | 18.20                                         | 17.30 |       |       | 20.78 | 23.76                 | 6.22     | 27.00                | 30.00                      | Pass      |
| HT40        | MCS0      | 2   | 62  | 5310        | 1+2 | 14.50                                         | 13.30 |       |       | 16.95 | 23.76                 | 6.22     | 23.17                | 30.00                      | Pass      |
| VHT20       | MCS0      | 2   | 52  | 5260        | 1+2 | 20.90                                         | 20.20 |       |       | 23.57 | 23.76                 | 6.22     | 29.79                | 30.00                      | Pass      |
| VHT20       | MCS0      | 2   | 60  | 5300        | 1+2 | 20.90                                         | 20.30 |       |       | 23.62 | 23.76                 | 6.22     | 29.84                | 30.00                      | Pass      |
| VHT20       | MCS0      | 2   | 64  | 5320        | 1+2 | 18.50                                         | 17.80 |       |       | 21.17 | 23.76                 | 6.22     | 27.39                | 30.00                      | Pass      |
| VHT40       | MCS0      | 2   | 54  | 5270        | 1+2 | 18.30                                         | 17.40 |       |       | 20.88 | 23.76                 | 6.22     | 27.10                | 30.00                      | Pass      |
| VHT40       | MCS0      | 2   | 62  | 5310        | 1+2 | 14.60                                         | 13.40 |       |       | 17.05 | 23.76                 | 6.22     | 23.27                | 30.00                      | Pass      |
| VHT80       | MCS0      | 2   | 58  | 5290        | 1+2 | 13.40                                         | 13.20 |       |       | 16.31 | 23.76                 | 6.22     | 22.53                | 30.00                      | Pass      |

| FCC Band II |           |                 |     |             |       |                                               |       |       |                                                                                     |       |                       |          |                      |                            |           |
|-------------|-----------|-----------------|-----|-------------|-------|-----------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant   | Average Conducted Power with Duty Factor (dB) |       |       |                                                                                     |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|             |           |                 |     |             |       | Ant 1                                         | Ant 2 | Ant 3 | Ant 4                                                                               | SUM   |                       |          |                      |                            |           |
| HT20        | MCS0      | 3               | 52  | 5260        | 1+2+3 | 16.80                                         | 16.00 | 17.60 |  | 21.62 | 22.23                 | 7.75     | 29.37                | 30.00                      | Pass      |
| HT20        | MCS0      | 3               | 60  | 5300        | 1+2+3 | 16.90                                         | 16.40 | 18.00 |  | 21.92 | 22.23                 | 7.75     | 29.67                | 30.00                      | Pass      |
| HT20        | MCS0      | 3               | 64  | 5320        | 1+2+3 | 16.50                                         | 15.70 | 17.50 |  | 21.40 | 22.23                 | 7.75     | 29.15                | 30.00                      | Pass      |
| HT40        | MCS0      | 3               | 54  | 5270        | 1+2+3 | 16.90                                         | 15.70 | 17.70 |  | 21.61 | 22.23                 | 7.75     | 29.36                | 30.00                      | Pass      |
| HT40        | MCS0      | 3               | 62  | 5310        | 1+2+3 | 11.90                                         | 10.60 | 13.20 |  | 16.80 | 22.23                 | 7.75     | 24.55                | 30.00                      | Pass      |
| VHT20       | MCS0      | 3               | 52  | 5260        | 1+2+3 | 16.90                                         | 16.10 | 17.70 |  | 21.72 | 22.23                 | 7.75     | 29.47                | 30.00                      | Pass      |
| VHT20       | MCS0      | 3               | 60  | 5300        | 1+2+3 | 17.00                                         | 16.50 | 18.10 |  | 22.02 | 22.23                 | 7.75     | 29.77                | 30.00                      | Pass      |
| VHT20       | MCS0      | 3               | 64  | 5320        | 1+2+3 | 16.60                                         | 15.80 | 17.60 |  | 21.50 | 22.23                 | 7.75     | 29.25                | 30.00                      | Pass      |
| VHT40       | MCS0      | 3               | 54  | 5270        | 1+2+3 | 17.00                                         | 15.80 | 17.90 |  | 21.76 | 22.23                 | 7.75     | 29.51                | 30.00                      | Pass      |
| VHT40       | MCS0      | 3               | 62  | 5310        | 1+2+3 | 12.00                                         | 10.70 | 13.30 |  | 16.90 | 22.23                 | 7.75     | 24.65                | 30.00                      | Pass      |
| VHT80       | MCS0      | 3               | 58  | 5290        | 1+2+3 | 13.20                                         | 12.40 | 13.70 |  | 17.90 | 22.23                 | 7.75     | 25.65                | 30.00                      | Pass      |

| FCC Band II |           |                 |     |             |         |                                               |       |       |       |       |                       |          |                      |                            |           |
|-------------|-----------|-----------------|-----|-------------|---------|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.        | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Ant     | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|             |           |                 |     |             |         | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| HT20        | MCS0      | 4               | 52  | 5260        | 1+2+3+4 | 14.00                                         | 13.70 | 15.50 | 14.00 | 20.38 | 20.77                 | 9.21     | 29.59                | 30.00                      | Pass      |
| HT20        | MCS0      | 4               | 60  | 5300        | 1+2+3+4 | 14.00                                         | 13.70 | 15.20 | 14.10 | 20.31 | 20.77                 | 9.21     | 29.52                | 30.00                      | Pass      |
| HT20        | MCS0      | 4               | 64  | 5320        | 1+2+3+4 | 14.00                                         | 13.20 | 15.10 | 14.00 | 20.15 | 20.77                 | 9.21     | 29.36                | 30.00                      | Pass      |
| HT40        | MCS0      | 4               | 54  | 5270        | 1+2+3+4 | 13.30                                         | 13.30 | 15.40 | 13.60 | 20.01 | 20.77                 | 9.21     | 29.23                | 30.00                      | Pass      |
| HT40        | MCS0      | 4               | 62  | 5310        | 1+2+3+4 | 10.90                                         | 10.90 | 13.10 | 11.20 | 17.65 | 20.77                 | 9.21     | 26.86                | 30.00                      | Pass      |
| VHT20       | MCS0      | 4               | 52  | 5260        | 1+2+3+4 | 14.10                                         | 13.80 | 15.60 | 14.10 | 20.48 | 20.77                 | 9.21     | 29.69                | 30.00                      | Pass      |
| VHT20       | MCS0      | 4               | 60  | 5300        | 1+2+3+4 | 14.10                                         | 13.80 | 15.30 | 14.20 | 20.41 | 20.77                 | 9.21     | 29.62                | 30.00                      | Pass      |
| VHT20       | MCS0      | 4               | 64  | 5320        | 1+2+3+4 | 14.20                                         | 13.30 | 15.20 | 14.10 | 20.27 | 20.77                 | 9.21     | 29.49                | 30.00                      | Pass      |
| VHT40       | MCS0      | 4               | 54  | 5270        | 1+2+3+4 | 14.50                                         | 13.40 | 15.50 | 13.70 | 20.37 | 20.77                 | 9.21     | 29.59                | 30.00                      | Pass      |
| VHT40       | MCS0      | 4               | 62  | 5310        | 1+2+3+4 | 12.00                                         | 11.00 | 13.20 | 11.30 | 17.98 | 20.77                 | 9.21     | 27.19                | 30.00                      | Pass      |
| VHT80       | MCS0      | 4               | 58  | 5290        | 1+2+3+4 | 11.30                                         | 11.20 | 12.00 | 11.00 | 17.41 | 20.77                 | 9.21     | 26.62                | 30.00                      | Pass      |

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

| Band II |           |     |     |             |     |                  |       |       |       |                                        |                     |          |            |
|---------|-----------|-----|-----|-------------|-----|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.    | Data Rate | NTx | CH. | Freq. (MHz) | Ant | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|         |           |     |     |             |     | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| VHT20   | MCS0      | 2   | 52  | 5260        | 1+2 | 0.00             | 0.00  |       |       | 10.10                                  | 11.00               | 3.80     | Pass       |
| VHT20   | MCS0      | 2   | 60  | 5300        | 1+2 | 0.00             | 0.00  |       |       | 10.41                                  | 11.00               | 3.80     | Pass       |
| VHT20   | MCS0      | 2   | 64  | 5320        | 1+2 | 0.00             | 0.00  |       |       | 8.60                                   | 11.00               | 3.80     | Pass       |
| VHT40   | MCS0      | 2   | 54  | 5270        | 1+2 | 0.00             | 0.00  |       |       | 4.85                                   | 11.00               | 3.80     | Pass       |
| VHT40   | MCS0      | 2   | 62  | 5310        | 1+2 | 0.00             | 0.00  |       |       | 1.41                                   | 11.00               | 3.80     | Pass       |
| VHT80   | MCS0      | 2   | 58  | 5290        | 1+2 | 0.00             | 0.00  |       |       | -2.21                                  | 11.00               | 3.80     | Pass       |

| Band II |           |     |     |             |       |                  |       |       |       |                                        |                     |          |            |
|---------|-----------|-----|-----|-------------|-------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.    | Data Rate | NTx | CH. | Freq. (MHz) | Ant   | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|         |           |     |     |             |       | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| VHT20   | MCS0      | 3   | 52  | 5260        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 9.15                                   | 9.25                | 7.75     | Pass       |
| VHT20   | MCS0      | 3   | 60  | 5300        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 9.03                                   | 9.25                | 7.75     | Pass       |
| VHT20   | MCS0      | 3   | 64  | 5320        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 9.03                                   | 9.25                | 7.75     | Pass       |
| VHT40   | MCS0      | 3   | 54  | 5270        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 6.40                                   | 9.25                | 7.75     | Pass       |
| VHT40   | MCS0      | 3   | 62  | 5310        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 1.54                                   | 9.25                | 7.75     | Pass       |
| VHT80   | MCS0      | 3   | 58  | 5290        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | -0.22                                  | 9.25                | 7.75     | Pass       |

| Band II |           |     |     |             |         |                  |       |       |       |                                        |                     |          |            |
|---------|-----------|-----|-----|-------------|---------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.    | Data Rate | NTx | CH. | Freq. (MHz) | Ant     | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|         |           |     |     |             |         | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| VHT20   | MCS0      | 4   | 52  | 5260        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 7.50                                   | 7.79                | 9.21     | Pass       |
| VHT20   | MCS0      | 4   | 60  | 5300        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 7.64                                   | 7.79                | 9.21     | Pass       |
| VHT20   | MCS0      | 4   | 64  | 5320        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 7.37                                   | 7.79                | 9.21     | Pass       |
| VHT40   | MCS0      | 4   | 54  | 5270        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 4.90                                   | 7.79                | 9.21     | Pass       |
| VHT40   | MCS0      | 4   | 62  | 5310        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 2.04                                   | 7.79                | 9.21     | Pass       |
| VHT80   | MCS0      | 4   | 58  | 5290        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | -1.14                                  | 7.79                | 9.21     | Pass       |

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

| Band III |           |     |     |             |                       |        |       |       |                                      |       |       |       |                                           |       |       |       |
|----------|-----------|-----|-----|-------------|-----------------------|--------|-------|-------|--------------------------------------|-------|-------|-------|-------------------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |        |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |       |       |
|          |           |     |     |             | Ant 1                 | Ant 2  | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 | Ant 1                                     | Ant 2 | Ant 3 | Ant 4 |
| VHT20    | MCS0      | 2   | 100 | 5500        | 37.66                 | 36.31  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT20    | MCS0      | 2   | 116 | 5580        | 44.21                 | 40.46  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT20    | MCS0      | 2   | 140 | 5700        | 37.21                 | 34.12  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT20    | MCS0      | 2   | 144 | 5720        | 24.78                 | 25.18  |       |       | 23.98                                | 23.98 |       |       | 3.84                                      | 3.84  |       |       |
| VHT40    | MCS0      | 2   | 102 | 5510        | 46.12                 | 49.45  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT40    | MCS0      | 2   | 110 | 5550        | 76.24                 | 82.45  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT40    | MCS0      | 2   | 134 | 5670        | 74.99                 | 80.02  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT40    | MCS0      | 2   | 142 | 5710        | 53.30                 | 56.63  |       |       | 23.98                                | 23.98 |       |       | 3.18                                      | 3.16  |       |       |
| VHT80    | MCS0      | 2   | 106 | 5530        | 81.80                 | 80.72  |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT80    | MCS0      | 2   | 122 | 5610        | 99.78                 | 105.49 |       |       | 23.98                                | 23.98 |       |       | ----                                      | ----  |       |       |
| VHT80    | MCS0      | 2   | 138 | 5690        | 78.80                 | 77.36  |       |       | 23.98                                | 23.98 |       |       | 2.64                                      | 3.24  |       |       |

| Band III |           |     |     |             |                       |       |       |       |                                      |       |       |       |                                           |       |       |       |
|----------|-----------|-----|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------------------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |       |       |
|          |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 | Ant 1                                     | Ant 2 | Ant 3 | Ant 4 |
| VHT20    | MCS0      | 3   | 100 | 5500        | 22.68                 | 22.53 | 35.26 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT20    | MCS0      | 3   | 116 | 5580        | 36.16                 | 32.37 | 38.46 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT20    | MCS0      | 3   | 140 | 5700        | 35.66                 | 36.46 | 38.36 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT20    | MCS0      | 3   | 144 | 5720        | 21.68                 | 22.58 | 23.08 |       | 23.98                                | 23.98 | 23.98 |       | 3.79                                      | 3.84  | 3.79  |       |
| VHT40    | MCS0      | 3   | 102 | 5510        | 49.63                 | 56.28 | 61.41 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT40    | MCS0      | 3   | 110 | 5550        | 74.72                 | 75.97 | 80.02 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT40    | MCS0      | 3   | 134 | 5670        | 70.76                 | 72.11 | 72.92 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT40    | MCS0      | 3   | 142 | 5710        | 52.04                 | 48.99 | 53.12 |       | 23.98                                | 23.98 | 23.98 |       | 3.18                                      | 3.18  | 2.62  |       |
| VHT80    | MCS0      | 3   | 106 | 5530        | 80.88                 | 82.32 | 83.60 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT80    | MCS0      | 3   | 122 | 5610        | 82.16                 | 86.95 | 82.16 |       | 23.98                                | 23.98 | 23.98 |       | ----                                      | ----  | ----  |       |
| VHT80    | MCS0      | 3   | 138 | 5690        | 76.08                 | 75.60 | 75.60 |       | 23.98                                | 23.98 | 23.98 |       | 2.64                                      | 3.20  | 2.56  |       |

| Band III |           |     |     |             |                       |       |       |       |                                      |       |       |       |                                           |       |       |       |
|----------|-----------|-----|-----|-------------|-----------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------------------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | 26 dB Bandwidth (MHz) |       |       |       | FCC 26dB Bandwidth Power Limit (dBm) |       |       |       | 6 dB Bandwidth for Straddle Channel (MHz) |       |       |       |
|          |           |     |     |             | Ant 1                 | Ant 2 | Ant 3 | Ant 4 | Ant 1                                | Ant 2 | Ant 3 | Ant 4 | Ant 1                                     | Ant 2 | Ant 3 | Ant 4 |
| VHT20    | MCS0      | 4   | 100 | 5500        | 22.73                 | 22.63 | 22.73 | 22.73 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT20    | MCS0      | 4   | 116 | 5580        | 22.63                 | 22.63 | 22.73 | 22.73 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT20    | MCS0      | 4   | 140 | 5700        | 22.68                 | 22.83 | 22.78 | 22.83 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT20    | MCS0      | 4   | 144 | 5720        | 22.48                 | 21.88 | 20.03 | 22.68 | 23.98                                | 23.98 | 23.98 | 23.98 | 3.78                                      | 3.94  | 3.84  | 3.84  |
| VHT40    | MCS0      | 4   | 102 | 5510        | 41.09                 | 40.82 | 56.64 | 42.08 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT40    | MCS0      | 4   | 110 | 5550        | 43.25                 | 41.00 | 41.09 | 45.23 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT40    | MCS0      | 4   | 134 | 5670        | 41.54                 | 41.00 | 41.00 | 41.36 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT40    | MCS0      | 4   | 142 | 5710        | 35.59                 | 35.68 | 35.23 | 35.59 | 23.98                                | 23.98 | 23.98 | 23.98 | 2.68                                      | 3.28  | 3.18  | 3.28  |
| VHT80    | MCS0      | 4   | 106 | 5530        | 81.20                 | 81.68 | 81.20 | 87.27 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT80    | MCS0      | 4   | 122 | 5610        | 80.88                 | 81.36 | 81.20 | 85.51 | 23.98                                | 23.98 | 23.98 | 23.98 | ----                                      | ----  | ----  | ----  |
| VHT80    | MCS0      | 4   | 138 | 5690        | 75.92                 | 75.76 | 75.60 | 75.76 | 23.98                                | 23.98 | 23.98 | 23.98 | 3.24                                      | 3.24  | 2.52  | 2.52  |

| Band III |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|----------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|          |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| VHT20    | MCS0      | 2   | 100 | 5500        | 18.38               | 18.18 |       |       | 23.64                              | 23.60 |       |       | 29.64                             | 29.60 |       |       |
| VHT20    | MCS0      | 2   | 116 | 5580        | 19.58               | 18.33 |       |       | 23.92                              | 23.63 |       |       | 29.92                             | 29.63 |       |       |
| VHT20    | MCS0      | 2   | 140 | 5700        | 18.23               | 18.28 |       |       | 23.61                              | 23.62 |       |       | 29.61                             | 29.62 |       |       |
| VHT20    | MCS0      | 2   | 144 | 5720        | 14.49               | 14.19 |       |       | 22.61                              | 22.52 |       |       | 28.61                             | 28.52 |       |       |
| VHT40    | MCS0      | 2   | 102 | 5510        | 36.86               | 36.46 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40    | MCS0      | 2   | 110 | 5550        | 37.66               | 37.56 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40    | MCS0      | 2   | 134 | 5670        | 37.36               | 38.46 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT40    | MCS0      | 2   | 142 | 5710        | 34.18               | 33.88 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80    | MCS0      | 2   | 106 | 5530        | 77.32               | 77.68 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80    | MCS0      | 2   | 122 | 5610        | 77.92               | 77.32 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |
| VHT80    | MCS0      | 2   | 138 | 5690        | 74.32               | 74.20 |       |       | 23.98                              | 23.98 |       |       | 30.00                             | 30.00 |       |       |

| Band III |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|----------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|          |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| VHT20    | MCS0      | 3   | 100 | 5500        | 18.18               | 18.08 | 18.18 |       | 23.60                              | 23.57 | 23.60 |       | 29.60                             | 29.57 | 29.60 |       |
| VHT20    | MCS0      | 3   | 116 | 5580        | 18.28               | 18.08 | 18.18 |       | 23.62                              | 23.57 | 23.60 |       | 29.62                             | 29.57 | 29.60 |       |
| VHT20    | MCS0      | 3   | 140 | 5700        | 18.23               | 18.28 | 18.33 |       | 23.61                              | 23.62 | 23.63 |       | 29.61                             | 29.62 | 29.63 |       |
| VHT20    | MCS0      | 3   | 144 | 5720        | 14.19               | 14.04 | 14.14 |       | 22.52                              | 22.47 | 22.50 |       | 28.52                             | 28.47 | 28.50 |       |
| VHT40    | MCS0      | 3   | 102 | 5510        | 36.76               | 36.76 | 36.96 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40    | MCS0      | 3   | 110 | 5550        | 37.46               | 37.66 | 37.86 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40    | MCS0      | 3   | 134 | 5670        | 37.16               | 37.16 | 37.26 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT40    | MCS0      | 3   | 142 | 5710        | 34.08               | 33.58 | 34.18 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80    | MCS0      | 3   | 106 | 5530        | 77.44               | 77.20 | 77.32 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80    | MCS0      | 3   | 122 | 5610        | 77.80               | 78.28 | 77.80 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |
| VHT80    | MCS0      | 3   | 138 | 5690        | 74.08               | 73.72 | 73.96 |       | 23.98                              | 23.98 | 23.98 |       | 30.00                             | 30.00 | 30.00 |       |

| Band III |           |     |     |             |                     |       |       |       |                                    |       |       |       |                                   |       |       |       |
|----------|-----------|-----|-----|-------------|---------------------|-------|-------|-------|------------------------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       |       |       | IC 99% Bandwidth Power Limit (dBm) |       |       |       | IC 99% Bandwidth EIRP Limit (dBm) |       |       |       |
|          |           |     |     |             | Ant 1               | Ant 2 | Ant 3 | Ant 4 | Ant 1                              | Ant 2 | Ant 3 | Ant 4 | Ant 1                             | Ant 2 | Ant 3 | Ant 4 |
| VHT20    | MCS0      | 4   | 100 | 5500        | 18.13               | 18.13 | 18.13 | 18.08 | 23.58                              | 23.58 | 23.58 | 23.57 | 29.58                             | 29.58 | 29.58 | 29.57 |
| VHT20    | MCS0      | 4   | 116 | 5580        | 18.13               | 18.13 | 18.13 | 18.13 | 23.58                              | 23.58 | 23.58 | 23.58 | 29.58                             | 29.58 | 29.58 | 29.58 |
| VHT20    | MCS0      | 4   | 140 | 5700        | 18.08               | 18.23 | 18.18 | 18.13 | 23.57                              | 23.61 | 23.60 | 23.58 | 29.57                             | 29.61 | 29.60 | 29.58 |
| VHT20    | MCS0      | 4   | 144 | 5720        | 14.14               | 13.99 | 14.04 | 14.09 | 22.50                              | 22.46 | 22.47 | 22.49 | 28.50                             | 28.46 | 28.47 | 28.49 |
| VHT40    | MCS0      | 4   | 102 | 5510        | 36.86               | 36.76 | 36.66 | 36.76 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40    | MCS0      | 4   | 110 | 5550        | 36.76               | 36.86 | 36.76 | 36.76 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40    | MCS0      | 4   | 134 | 5670        | 36.76               | 36.66 | 36.76 | 36.76 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT40    | MCS0      | 4   | 142 | 5710        | 33.38               | 33.28 | 33.85 | 33.38 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80    | MCS0      | 4   | 106 | 5530        | 77.20               | 77.32 | 77.56 | 77.80 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80    | MCS0      | 4   | 122 | 5610        | 77.56               | 77.80 | 77.32 | 77.20 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |
| VHT80    | MCS0      | 4   | 138 | 5690        | 73.96               | 73.48 | 73.96 | 73.96 | 23.98                              | 23.98 | 23.98 | 23.98 | 30.00                             | 30.00 | 30.00 | 30.00 |



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

| FCC Band III |           |     |     |             |     |                                               |       |       |       |       |                       |          |                      |                            |           |
|--------------|-----------|-----|-----|-------------|-----|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.         | Data Rate | NTx | CH. | Freq. (MHz) | Ant | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             |     | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| HT20         | MCS0      | 2   | 100 | 5500        | 1+2 | 18.70                                         | 17.90 |       |       | 21.33 | 23.20                 | 6.78     | 28.11                | 30.00                      | Pass      |
| HT20         | MCS0      | 2   | 116 | 5580        | 1+2 | 20.10                                         | 19.80 |       |       | 22.96 | 23.20                 | 6.78     | 29.75                | 30.00                      | Pass      |
| HT20         | MCS0      | 2   | 140 | 5700        | 1+2 | 16.40                                         | 16.50 |       |       | 19.46 | 23.20                 | 6.78     | 26.25                | 30.00                      | Pass      |
| HT20         | MCS0      | 2   | 144 | 5720        | 1+2 | 19.60                                         | 19.80 |       |       | 22.71 | 23.20                 | 6.78     | 29.50                | 30.00                      | Pass      |
| HT40         | MCS0      | 2   | 102 | 5510        | 1+2 | 15.20                                         | 15.30 |       |       | 18.26 | 23.20                 | 6.78     | 25.05                | 30.00                      | Pass      |
| HT40         | MCS0      | 2   | 110 | 5550        | 1+2 | 20.00                                         | 20.00 |       |       | 23.01 | 23.20                 | 6.78     | 29.79                | 30.00                      | Pass      |
| HT40         | MCS0      | 2   | 134 | 5670        | 1+2 | 19.40                                         | 19.70 |       |       | 22.56 | 23.20                 | 6.78     | 29.35                | 30.00                      | Pass      |
| HT40         | MCS0      | 2   | 142 | 5710        | 1+2 | 19.90                                         | 20.20 |       |       | 23.06 | 23.19                 | 6.78     | 29.85                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2   | 100 | 5500        | 1+2 | 18.80                                         | 18.00 |       |       | 21.43 | 23.19                 | 6.78     | 28.21                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2   | 116 | 5580        | 1+2 | 20.30                                         | 19.90 |       |       | 23.11 | 23.19                 | 6.78     | 29.90                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2   | 140 | 5700        | 1+2 | 16.60                                         | 16.60 |       |       | 19.61 | 23.19                 | 6.78     | 26.39                | 30.00                      | Pass      |
| VHT20        | MCS0      | 2   | 144 | 5720        | 1+2 | 19.80                                         | 19.90 |       |       | 22.86 | 23.19                 | 6.78     | 29.65                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2   | 102 | 5510        | 1+2 | 15.30                                         | 15.40 |       |       | 18.36 | 23.19                 | 6.78     | 25.15                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2   | 110 | 5550        | 1+2 | 20.10                                         | 20.10 |       |       | 23.11 | 23.19                 | 6.78     | 29.89                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2   | 134 | 5670        | 1+2 | 19.50                                         | 19.80 |       |       | 22.66 | 23.19                 | 6.78     | 29.45                | 30.00                      | Pass      |
| VHT40        | MCS0      | 2   | 142 | 5710        | 1+2 | 20.00                                         | 20.30 |       |       | 23.16 | 23.19                 | 6.78     | 29.95                | 30.00                      | Pass      |
| VHT80        | MCS0      | 2   | 106 | 5530        | 1+2 | 14.20                                         | 14.20 |       |       | 17.21 | 23.19                 | 6.78     | 23.99                | 30.00                      | Pass      |
| VHT80        | MCS0      | 2   | 122 | 5610        | 1+2 | 19.60                                         | 19.60 |       |       | 22.61 | 23.19                 | 6.78     | 29.39                | 30.00                      | Pass      |
| VHT80        | MCS0      | 2   | 138 | 5690        | 1+2 | 20.00                                         | 19.60 |       |       | 22.81 | 23.20                 | 6.78     | 29.60                | 30.00                      | Pass      |

| FCC Band III |           |     |     |             |       |                                               |       |       |       |       |                       |          |                      |                            |           |
|--------------|-----------|-----|-----|-------------|-------|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.         | Data Rate | Ntx | CH. | Freq. (MHz) | Ant   | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             |       | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| HT20         | MCS0      | 3   | 100 | 5500        | 1+2+3 | 16.00                                         | 15.70 | 16.20 |       | 20.74 | 21.65                 | 8.33     | 29.07                | 30.00                      | Pass      |
| HT20         | MCS0      | 3   | 116 | 5580        | 1+2+3 | 17.00                                         | 16.40 | 16.60 |       | 21.45 | 21.65                 | 8.33     | 29.77                | 30.00                      | Pass      |
| HT20         | MCS0      | 3   | 140 | 5700        | 1+2+3 | 16.50                                         | 16.40 | 16.40 |       | 21.20 | 21.65                 | 8.33     | 29.53                | 30.00                      | Pass      |
| HT20         | MCS0      | 3   | 144 | 5720        | 1+2+3 | 16.90                                         | 16.40 | 16.90 |       | 21.51 | 21.65                 | 8.33     | 29.84                | 30.00                      | Pass      |
| HT40         | MCS0      | 3   | 102 | 5510        | 1+2+3 | 15.80                                         | 15.60 | 15.40 |       | 20.37 | 21.65                 | 8.33     | 28.70                | 30.00                      | Pass      |
| HT40         | MCS0      | 3   | 110 | 5550        | 1+2+3 | 16.80                                         | 16.60 | 16.50 |       | 21.41 | 21.65                 | 8.33     | 29.73                | 30.00                      | Pass      |
| HT40         | MCS0      | 3   | 134 | 5670        | 1+2+3 | 16.60                                         | 16.60 | 16.70 |       | 21.40 | 21.65                 | 8.33     | 29.73                | 30.00                      | Pass      |
| HT40         | MCS0      | 3   | 142 | 5710        | 1+2+3 | 16.20                                         | 16.60 | 16.40 |       | 21.17 | 21.65                 | 8.33     | 29.50                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3   | 100 | 5500        | 1+2+3 | 16.10                                         | 15.80 | 16.30 |       | 20.84 | 21.65                 | 8.33     | 29.17                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3   | 116 | 5580        | 1+2+3 | 17.10                                         | 16.50 | 16.70 |       | 21.55 | 21.65                 | 8.33     | 29.87                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3   | 140 | 5700        | 1+2+3 | 16.60                                         | 16.60 | 16.50 |       | 21.34 | 21.65                 | 8.33     | 29.66                | 30.00                      | Pass      |
| VHT20        | MCS0      | 3   | 144 | 5720        | 1+2+3 | 17.00                                         | 16.60 | 17.00 |       | 21.64 | 21.65                 | 8.33     | 29.97                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3   | 102 | 5510        | 1+2+3 | 15.90                                         | 15.70 | 15.50 |       | 20.47 | 21.65                 | 8.33     | 28.80                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3   | 110 | 5550        | 1+2+3 | 16.90                                         | 16.70 | 16.60 |       | 21.51 | 21.65                 | 8.33     | 29.83                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3   | 134 | 5670        | 1+2+3 | 16.70                                         | 16.70 | 16.90 |       | 21.54 | 21.65                 | 8.33     | 29.87                | 30.00                      | Pass      |
| VHT40        | MCS0      | 3   | 142 | 5710        | 1+2+3 | 16.30                                         | 16.70 | 16.60 |       | 21.31 | 21.65                 | 8.33     | 29.63                | 30.00                      | Pass      |
| VHT80        | MCS0      | 3   | 106 | 5530        | 1+2+3 | 15.00                                         | 14.80 | 14.60 |       | 19.57 | 21.65                 | 8.33     | 27.90                | 30.00                      | Pass      |
| VHT80        | MCS0      | 3   | 122 | 5610        | 1+2+3 | 16.70                                         | 16.40 | 16.80 |       | 21.41 | 21.65                 | 8.33     | 29.73                | 30.00                      | Pass      |
| VHT80        | MCS0      | 3   | 138 | 5690        | 1+2+3 | 16.90                                         | 16.70 | 17.00 |       | 21.64 | 21.65                 | 8.33     | 29.97                | 30.00                      | Pass      |

| FCC Band III |           |     |     |             |         |                                               |       |       |       |       |                       |          |                      |                            |           |
|--------------|-----------|-----|-----|-------------|---------|-----------------------------------------------|-------|-------|-------|-------|-----------------------|----------|----------------------|----------------------------|-----------|
| Mod.         | Data Rate | Ntx | CH. | Freq. (MHz) | Ant     | Average Conducted Power with Duty Factor (dB) |       |       |       |       | FCC Power Limit (dBm) | DG (dBi) | FCC EIRP Power (dBm) | FCC EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |             |         | Ant 1                                         | Ant 2 | Ant 3 | Ant 4 | SUM   |                       |          |                      |                            |           |
| HT20         | MCS0      | 4   | 100 | 5500        | 1+2+3+4 | 13.70                                         | 13.50 | 14.10 | 12.90 | 19.59 | 20.29                 | 9.69     | 29.28                | 30.00                      | Pass      |
| HT20         | MCS0      | 4   | 116 | 5580        | 1+2+3+4 | 13.60                                         | 13.60 | 13.60 | 13.50 | 19.60 | 20.29                 | 9.69     | 29.29                | 30.00                      | Pass      |
| HT20         | MCS0      | 4   | 140 | 5700        | 1+2+3+4 | 13.80                                         | 14.10 | 14.10 | 13.70 | 19.95 | 20.29                 | 9.69     | 29.64                | 30.00                      | Pass      |
| HT20         | MCS0      | 4   | 144 | 5720        | 1+2+3+4 | 13.90                                         | 14.10 | 13.80 | 13.70 | 19.90 | 20.29                 | 9.69     | 29.59                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 102 | 5510        | 1+2+3+4 | 14.20                                         | 14.20 | 14.10 | 14.00 | 20.15 | 20.29                 | 9.69     | 29.84                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 110 | 5550        | 1+2+3+4 | 14.00                                         | 14.10 | 14.20 | 13.90 | 20.07 | 20.29                 | 9.69     | 29.76                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 134 | 5670        | 1+2+3+4 | 13.70                                         | 14.20 | 14.60 | 13.70 | 20.09 | 20.29                 | 9.69     | 29.78                | 30.00                      | Pass      |
| HT40         | MCS0      | 4   | 142 | 5710        | 1+2+3+4 | 13.80                                         | 14.00 | 14.20 | 13.70 | 19.95 | 20.29                 | 9.69     | 29.64                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 100 | 5500        | 1+2+3+4 | 13.80                                         | 13.60 | 14.20 | 13.00 | 19.69 | 20.29                 | 9.69     | 29.38                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 116 | 5580        | 1+2+3+4 | 13.80                                         | 13.70 | 13.70 | 13.60 | 19.72 | 20.29                 | 9.69     | 29.41                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 140 | 5700        | 1+2+3+4 | 13.90                                         | 14.20 | 14.20 | 13.80 | 20.05 | 20.29                 | 9.69     | 29.74                | 30.00                      | Pass      |
| VHT20        | MCS0      | 4   | 144 | 5720        | 1+2+3+4 | 14.00                                         | 14.20 | 13.90 | 13.70 | 19.97 | 20.29                 | 9.69     | 29.66                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 102 | 5510        | 1+2+3+4 | 14.30                                         | 14.30 | 14.20 | 14.10 | 20.25 | 20.29                 | 9.69     | 29.94                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 110 | 5550        | 1+2+3+4 | 14.10                                         | 14.20 | 14.30 | 14.00 | 20.17 | 20.29                 | 9.69     | 29.86                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 134 | 5670        | 1+2+3+4 | 13.80                                         | 14.30 | 14.70 | 13.80 | 20.19 | 20.29                 | 9.69     | 29.88                | 30.00                      | Pass      |
| VHT40        | MCS0      | 4   | 142 | 5710        | 1+2+3+4 | 13.90                                         | 14.10 | 14.30 | 13.70 | 20.03 | 20.29                 | 9.69     | 29.72                | 30.00                      | Pass      |
| VHT80        | MCS0      | 4   | 106 | 5530        | 1+2+3+4 | 14.10                                         | 14.10 | 13.90 | 14.30 | 20.12 | 20.29                 | 9.69     | 29.81                | 30.00                      | Pass      |
| VHT80        | MCS0      | 4   | 122 | 5610        | 1+2+3+4 | 14.20                                         | 14.40 | 14.40 | 13.90 | 20.25 | 20.29                 | 9.69     | 29.94                | 30.00                      | Pass      |
| VHT80        | MCS0      | 4   | 138 | 5690        | 1+2+3+4 | 14.30                                         | 14.30 | 14.40 | 13.90 | 20.25 | 20.29                 | 9.69     | 29.94                | 30.00                      | Pass      |

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

| Band III |           |     |     |             |     |                  |       |       |       |                                        |                     |          |            |
|----------|-----------|-----|-----|-------------|-----|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | Ant | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|          |           |     |     |             |     | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| VHT20    | MCS0      | 2   | 100 | 5500        | 1+2 | 0.00             | 0.00  |       |       | 8.39                                   | 10.22               | 6.78     | Pass       |
| VHT20    | MCS0      | 2   | 116 | 5580        | 1+2 | 0.00             | 0.00  |       |       | 10.03                                  | 10.22               | 6.78     | Pass       |
| VHT20    | MCS0      | 2   | 140 | 5700        | 1+2 | 0.00             | 0.00  |       |       | 6.58                                   | 10.22               | 6.78     | Pass       |
| VHT20    | MCS0      | 2   | 144 | 5720        | 1+2 | 0.00             | 0.00  |       |       | 10.08                                  | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2   | 102 | 5510        | 1+2 | 0.00             | 0.00  |       |       | 3.68                                   | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2   | 110 | 5550        | 1+2 | 0.00             | 0.00  |       |       | 7.37                                   | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2   | 134 | 5670        | 1+2 | 0.00             | 0.00  |       |       | 6.53                                   | 10.22               | 6.78     | Pass       |
| VHT40    | MCS0      | 2   | 142 | 5710        | 1+2 | 0.00             | 0.00  |       |       | 6.87                                   | 10.22               | 6.78     | Pass       |
| VHT80    | MCS0      | 2   | 106 | 5530        | 1+2 | 0.00             | 0.00  |       |       | -0.60                                  | 10.22               | 6.78     | Pass       |
| VHT80    | MCS0      | 2   | 122 | 5610        | 1+2 | 0.00             | 0.00  |       |       | 5.34                                   | 10.22               | 6.78     | Pass       |
| VHT80    | MCS0      | 2   | 138 | 5690        | 1+2 | 0.00             | 0.00  |       |       | 4.50                                   | 10.22               | 6.78     | Pass       |

| Band III |           |     |     |             |       |                  |       |       |       |                                        |                     |          |            |
|----------|-----------|-----|-----|-------------|-------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | Ant   | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|          |           |     |     |             |       | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| VHT20    | MCS0      | 3   | 100 | 5500        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 8.21                                   | 8.67                | 8.33     | Pass       |
| VHT20    | MCS0      | 3   | 116 | 5580        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 8.43                                   | 8.67                | 8.33     | Pass       |
| VHT20    | MCS0      | 3   | 140 | 5700        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 8.07                                   | 8.67                | 8.33     | Pass       |
| VHT20    | MCS0      | 3   | 144 | 5720        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 8.57                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 102 | 5510        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 4.69                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 110 | 5550        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 5.55                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 134 | 5670        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 5.90                                   | 8.67                | 8.33     | Pass       |
| VHT40    | MCS0      | 3   | 142 | 5710        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 5.47                                   | 8.67                | 8.33     | Pass       |
| VHT80    | MCS0      | 3   | 106 | 5530        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 1.63                                   | 8.67                | 8.33     | Pass       |
| VHT80    | MCS0      | 3   | 122 | 5610        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 2.72                                   | 8.67                | 8.33     | Pass       |
| VHT80    | MCS0      | 3   | 138 | 5690        | 1+2+3 | 0.00             | 0.00  | 0.00  |       | 3.39                                   | 8.67                | 8.33     | Pass       |

| Band III |           |     |     |             |         |                  |       |       |       |                                        |                     |          |            |
|----------|-----------|-----|-----|-------------|---------|------------------|-------|-------|-------|----------------------------------------|---------------------|----------|------------|
| Mod.     | Data Rate | NTx | CH. | Freq. (MHz) | Ant     | Duty Factor (dB) |       |       |       | Average PSD with Duty Factor (dBm/MHz) | PSD Limit (dBm/MHz) | DG (dBi) | Pass /Fail |
|          |           |     |     |             |         | Ant 1            | Ant 2 | Ant 3 | Ant 4 |                                        |                     |          |            |
| VHT20    | MCS0      | 4   | 100 | 5500        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 7.00                                   | 7.31                | 9.69     | Pass       |
| VHT20    | MCS0      | 4   | 116 | 5580        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 7.13                                   | 7.31                | 9.69     | Pass       |
| VHT20    | MCS0      | 4   | 140 | 5700        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 7.25                                   | 7.31                | 9.69     | Pass       |
| VHT20    | MCS0      | 4   | 144 | 5720        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 7.14                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 102 | 5510        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 4.14                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 110 | 5550        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 4.56                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 134 | 5670        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 4.95                                   | 7.31                | 9.69     | Pass       |
| VHT40    | MCS0      | 4   | 142 | 5710        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 4.51                                   | 7.31                | 9.69     | Pass       |
| VHT80    | MCS0      | 4   | 106 | 5530        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 2.20                                   | 7.31                | 9.69     | Pass       |
| VHT80    | MCS0      | 4   | 122 | 5610        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 1.24                                   | 7.31                | 9.69     | Pass       |
| VHT80    | MCS0      | 4   | 138 | 5690        | 1+2+3+4 | 0.00             | 0.00  | 0.00  | 0.00  | 1.53                                   | 7.31                | 9.69     | Pass       |



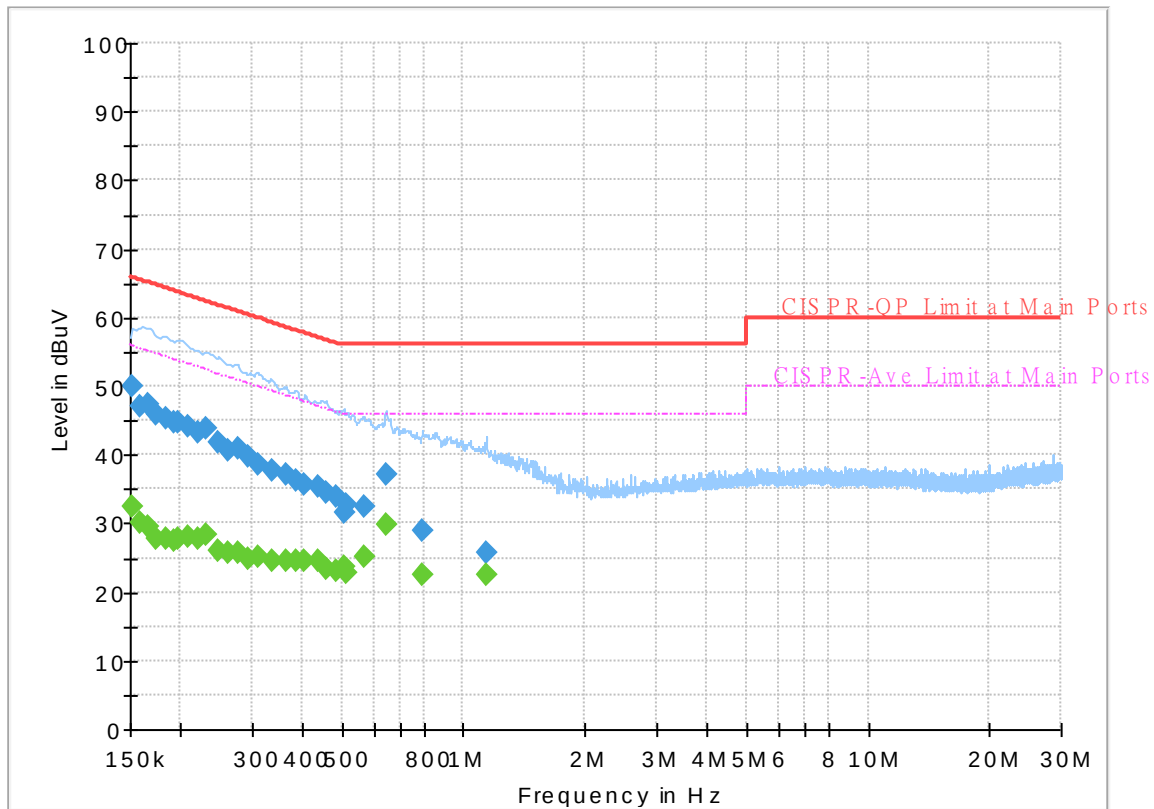
## Appendix B. AC Conducted Emission Test Results

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Engineer : | Rick Lin | Temperature :       | 25~26°C |
|                 |          | Relative Humidity : | 52~54%  |

## EUT Information

Report NO : 912813  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



## Final Result

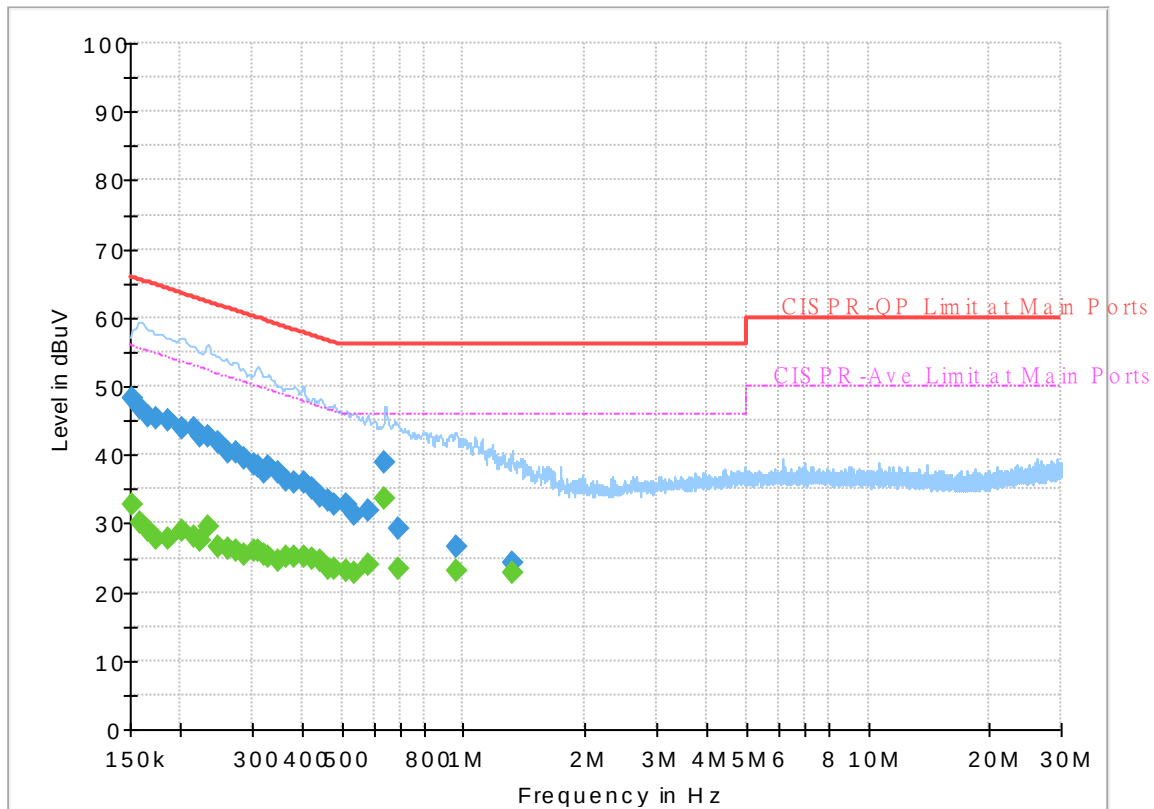
| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 32.50           | 55.88        | 23.38       | L1   | OFF    | 19.5       |
| 0.152250        | 49.93            | ---             | 65.88        | 15.95       | L1   | OFF    | 19.5       |
| 0.159000        | ---              | 30.22           | 55.52        | 25.30       | L1   | OFF    | 19.5       |
| 0.159000        | 47.00            | ---             | 65.52        | 18.52       | L1   | OFF    | 19.5       |
| 0.165750        | ---              | 29.42           | 55.17        | 25.75       | L1   | OFF    | 19.5       |
| 0.165750        | 47.37            | ---             | 65.17        | 17.80       | L1   | OFF    | 19.5       |
| 0.174750        | ---              | 27.67           | 54.73        | 27.06       | L1   | OFF    | 19.5       |
| 0.174750        | 45.93            | ---             | 64.73        | 18.80       | L1   | OFF    | 19.5       |
| 0.183750        | ---              | 27.91           | 54.31        | 26.40       | L1   | OFF    | 19.5       |
| 0.183750        | 45.29            | ---             | 64.31        | 19.02       | L1   | OFF    | 19.5       |
| 0.192750        | ---              | 27.35           | 53.92        | 26.57       | L1   | OFF    | 19.5       |
| 0.192750        | 44.67            | ---             | 63.92        | 19.25       | L1   | OFF    | 19.5       |
| 0.197250        | ---              | 27.69           | 53.73        | 26.04       | L1   | OFF    | 19.5       |
| 0.197250        | 44.84            | ---             | 63.73        | 18.89       | L1   | OFF    | 19.5       |
| 0.208500        | ---              | 28.19           | 53.27        | 25.08       | L1   | OFF    | 19.5       |
| 0.208500        | 44.11            | ---             | 63.27        | 19.16       | L1   | OFF    | 19.5       |
| 0.219750        | ---              | 27.70           | 52.83        | 25.13       | L1   | OFF    | 19.5       |
| 0.219750        | 43.19            | ---             | 62.83        | 19.64       | L1   | OFF    | 19.5       |
| 0.231000        | ---              | 28.35           | 52.41        | 24.06       | L1   | OFF    | 19.5       |
| 0.231000        | 43.77            | ---             | 62.41        | 18.64       | L1   | OFF    | 19.5       |
| 0.249000        | ---              | 26.17           | 51.79        | 25.62       | L1   | OFF    | 19.5       |

|          |       |       |       |       |    |     |      |
|----------|-------|-------|-------|-------|----|-----|------|
| 0.249000 | 41.73 | ---   | 61.79 | 20.06 | L1 | OFF | 19.5 |
| 0.262500 | ---   | 25.87 | 51.35 | 25.48 | L1 | OFF | 19.5 |
| 0.262500 | 40.71 | ---   | 61.35 | 20.64 | L1 | OFF | 19.5 |
| 0.276000 | ---   | 25.78 | 50.94 | 25.16 | L1 | OFF | 19.5 |
| 0.276000 | 40.82 | ---   | 60.94 | 20.12 | L1 | OFF | 19.5 |
| 0.294000 | ---   | 24.87 | 50.41 | 25.54 | L1 | OFF | 19.5 |
| 0.294000 | 39.64 | ---   | 60.41 | 20.77 | L1 | OFF | 19.5 |
| 0.312000 | ---   | 25.12 | 49.92 | 24.80 | L1 | OFF | 19.5 |
| 0.312000 | 38.45 | ---   | 59.92 | 21.47 | L1 | OFF | 19.5 |
| 0.336750 | ---   | 24.70 | 49.28 | 24.58 | L1 | OFF | 19.5 |
| 0.336750 | 37.58 | ---   | 59.28 | 21.70 | L1 | OFF | 19.5 |
| 0.363750 | ---   | 24.49 | 48.64 | 24.15 | L1 | OFF | 19.5 |
| 0.363750 | 37.17 | ---   | 58.64 | 21.47 | L1 | OFF | 19.5 |
| 0.386250 | ---   | 24.50 | 48.14 | 23.64 | L1 | OFF | 19.5 |
| 0.386250 | 36.22 | ---   | 58.14 | 21.92 | L1 | OFF | 19.5 |
| 0.406500 | ---   | 24.42 | 47.72 | 23.30 | L1 | OFF | 19.5 |
| 0.406500 | 35.76 | ---   | 57.72 | 21.96 | L1 | OFF | 19.5 |
| 0.435750 | ---   | 24.66 | 47.14 | 22.48 | L1 | OFF | 19.5 |
| 0.435750 | 35.31 | ---   | 57.14 | 21.83 | L1 | OFF | 19.5 |
| 0.458250 | ---   | 23.50 | 46.72 | 23.22 | L1 | OFF | 19.5 |
| 0.458250 | 34.48 | ---   | 56.72 | 22.24 | L1 | OFF | 19.5 |
| 0.483000 | ---   | 23.24 | 46.29 | 23.05 | L1 | OFF | 19.5 |
| 0.483000 | 33.85 | ---   | 56.29 | 22.44 | L1 | OFF | 19.5 |
| 0.505500 | ---   | 23.58 | 46.00 | 22.42 | L1 | OFF | 19.5 |
| 0.505500 | 31.62 | ---   | 56.00 | 24.38 | L1 | OFF | 19.5 |
| 0.514500 | ---   | 22.95 | 46.00 | 23.05 | L1 | OFF | 19.5 |
| 0.514500 | 32.64 | ---   | 56.00 | 23.36 | L1 | OFF | 19.5 |
| 0.566250 | ---   | 25.21 | 46.00 | 20.79 | L1 | OFF | 19.5 |
| 0.566250 | 32.37 | ---   | 56.00 | 23.63 | L1 | OFF | 19.5 |
| 0.642750 | ---   | 29.93 | 46.00 | 16.07 | L1 | OFF | 19.6 |
| 0.642750 | 37.20 | ---   | 56.00 | 18.80 | L1 | OFF | 19.6 |
| 0.793500 | ---   | 22.54 | 46.00 | 23.46 | L1 | OFF | 19.6 |
| 0.793500 | 28.91 | ---   | 56.00 | 27.09 | L1 | OFF | 19.6 |
| 1.137750 | ---   | 22.55 | 46.00 | 23.45 | L1 | OFF | 19.6 |
| 1.137750 | 25.59 | ---   | 56.00 | 30.41 | L1 | OFF | 19.6 |

## EUT Information

Report NO : 912813  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral

Full Spectrum



## Final Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 32.71           | 55.88        | 23.17       | N    | OFF    | 19.5       |
| 0.152250        | 48.15            | ---             | 65.88        | 17.73       | N    | OFF    | 19.5       |
| 0.159000        | ---              | 30.10           | 55.52        | 25.42       | N    | OFF    | 19.5       |
| 0.159000        | 46.79            | ---             | 65.52        | 18.73       | N    | OFF    | 19.5       |
| 0.165750        | ---              | 29.02           | 55.17        | 26.15       | N    | OFF    | 19.5       |
| 0.165750        | 45.57            | ---             | 65.17        | 19.60       | N    | OFF    | 19.5       |
| 0.174750        | ---              | 27.69           | 54.73        | 27.04       | N    | OFF    | 19.5       |
| 0.174750        | 45.19            | ---             | 64.73        | 19.54       | N    | OFF    | 19.5       |
| 0.186000        | ---              | 27.76           | 54.21        | 26.45       | N    | OFF    | 19.5       |
| 0.186000        | 44.95            | ---             | 64.21        | 19.26       | N    | OFF    | 19.5       |
| 0.201750        | ---              | 28.92           | 53.54        | 24.62       | N    | OFF    | 19.5       |
| 0.201750        | 43.96            | ---             | 63.54        | 19.58       | N    | OFF    | 19.5       |
| 0.215250        | ---              | 28.03           | 53.00        | 24.97       | N    | OFF    | 19.5       |
| 0.215250        | 43.77            | ---             | 63.00        | 19.23       | N    | OFF    | 19.5       |
| 0.224250        | ---              | 27.49           | 52.66        | 25.17       | N    | OFF    | 19.5       |
| 0.224250        | 42.72            | ---             | 62.66        | 19.94       | N    | OFF    | 19.5       |
| 0.233250        | ---              | 29.51           | 52.33        | 22.82       | N    | OFF    | 19.5       |
| 0.233250        | 42.65            | ---             | 62.33        | 19.68       | N    | OFF    | 19.5       |
| 0.249000        | ---              | 26.74           | 51.79        | 25.05       | N    | OFF    | 19.5       |
| 0.249000        | 41.88            | ---             | 61.79        | 19.91       | N    | OFF    | 19.5       |
| 0.262500        | ---              | 26.25           | 51.35        | 25.10       | N    | OFF    | 19.5       |



|          |       |       |       |       |   |     |      |
|----------|-------|-------|-------|-------|---|-----|------|
| 0.262500 | 40.22 | ---   | 61.35 | 21.13 | N | OFF | 19.5 |
| 0.273750 | ---   | 26.10 | 51.00 | 24.90 | N | OFF | 19.5 |
| 0.273750 | 40.49 | ---   | 61.00 | 20.51 | N | OFF | 19.5 |
| 0.287250 | ---   | 25.55 | 50.60 | 25.05 | N | OFF | 19.5 |
| 0.287250 | 39.51 | ---   | 60.60 | 21.09 | N | OFF | 19.5 |
| 0.303000 | ---   | 26.11 | 50.16 | 24.05 | N | OFF | 19.5 |
| 0.303000 | 38.50 | ---   | 60.16 | 21.66 | N | OFF | 19.5 |
| 0.309750 | ---   | 25.96 | 49.98 | 24.02 | N | OFF | 19.5 |
| 0.309750 | 38.33 | ---   | 59.98 | 21.65 | N | OFF | 19.5 |
| 0.321000 | ---   | 25.53 | 49.68 | 24.15 | N | OFF | 19.5 |
| 0.321000 | 37.57 | ---   | 59.68 | 22.11 | N | OFF | 19.5 |
| 0.330000 | ---   | 25.20 | 49.45 | 24.25 | N | OFF | 19.5 |
| 0.330000 | 38.16 | ---   | 59.45 | 21.29 | N | OFF | 19.5 |
| 0.348000 | ---   | 24.57 | 49.01 | 24.44 | N | OFF | 19.5 |
| 0.348000 | 37.42 | ---   | 59.01 | 21.59 | N | OFF | 19.5 |
| 0.366000 | ---   | 25.21 | 48.59 | 23.38 | N | OFF | 19.5 |
| 0.366000 | 36.34 | ---   | 58.59 | 22.25 | N | OFF | 19.5 |
| 0.384000 | ---   | 25.24 | 48.19 | 22.95 | N | OFF | 19.5 |
| 0.384000 | 35.99 | ---   | 58.19 | 22.20 | N | OFF | 19.5 |
| 0.402000 | ---   | 25.16 | 47.81 | 22.65 | N | OFF | 19.5 |
| 0.402000 | 35.99 | ---   | 57.81 | 21.82 | N | OFF | 19.5 |
| 0.424500 | ---   | 24.89 | 47.36 | 22.47 | N | OFF | 19.5 |
| 0.424500 | 35.02 | ---   | 57.36 | 22.34 | N | OFF | 19.5 |
| 0.442500 | ---   | 24.47 | 47.02 | 22.55 | N | OFF | 19.5 |
| 0.442500 | 34.05 | ---   | 57.02 | 22.97 | N | OFF | 19.5 |
| 0.462750 | ---   | 23.43 | 46.64 | 23.21 | N | OFF | 19.5 |
| 0.462750 | 33.35 | ---   | 56.64 | 23.29 | N | OFF | 19.5 |
| 0.480750 | ---   | 23.38 | 46.33 | 22.95 | N | OFF | 19.5 |
| 0.480750 | 32.61 | ---   | 56.33 | 23.72 | N | OFF | 19.5 |
| 0.514500 | ---   | 23.01 | 46.00 | 22.99 | N | OFF | 19.5 |
| 0.514500 | 32.64 | ---   | 56.00 | 23.36 | N | OFF | 19.5 |
| 0.537000 | ---   | 22.89 | 46.00 | 23.11 | N | OFF | 19.5 |
| 0.537000 | 31.30 | ---   | 56.00 | 24.70 | N | OFF | 19.5 |
| 0.582000 | ---   | 24.01 | 46.00 | 21.99 | N | OFF | 19.5 |
| 0.582000 | 31.83 | ---   | 56.00 | 24.17 | N | OFF | 19.5 |
| 0.640500 | ---   | 33.49 | 46.00 | 12.51 | N | OFF | 19.6 |
| 0.640500 | 38.96 | ---   | 56.00 | 17.04 | N | OFF | 19.6 |
| 0.692250 | ---   | 23.35 | 46.00 | 22.65 | N | OFF | 19.6 |
| 0.692250 | 29.30 | ---   | 56.00 | 26.70 | N | OFF | 19.6 |
| 0.957750 | ---   | 23.11 | 46.00 | 22.89 | N | OFF | 19.6 |
| 0.957750 | 26.54 | ---   | 56.00 | 29.46 | N | OFF | 19.6 |
| 1.317750 | ---   | 22.67 | 46.00 | 23.33 | N | OFF | 19.6 |
| 1.317750 | 24.13 | ---   | 56.00 | 31.87 | N | OFF | 19.6 |



## Appendix C. Radiated Spurious Emission

|                 |                               |                     |         |
|-----------------|-------------------------------|---------------------|---------|
| Test Engineer : | Hao Hsu, Ken Wu, and JC Liang | Temperature :       | 20~25°C |
|                 |                               | Relative Humidity : | 50~55%  |

&lt;CDD Mode&gt;

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

| WIFI<br>Ant.<br>1           | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 52<br>5260MHz |      | 5146.2               | 51.16               | -22.84                  | 74                          | 42.71                     | 31.89                         | 9.68                   | 33.12                      | 215                  | 284                     | P                       | H               |
|                             |      | 5149.26              | 43.08               | -10.92                  | 54                          | 34.62                     | 31.9                          | 9.68                   | 33.12                      | 215                  | 284                     | A                       | H               |
|                             | *    | 5260                 | 115.66              | -                       | -                           | 107.61                    | 31.38                         | 9.78                   | 33.11                      | 215                  | 284                     | P                       | H               |
|                             | *    | 5260                 | 107.74              | -                       | -                           | 99.69                     | 31.38                         | 9.78                   | 33.11                      | 215                  | 284                     | A                       | H               |
|                             |      | 5353.44              | 57.78               | -16.22                  | 74                          | 49.75                     | 31.32                         | 9.82                   | 33.11                      | 215                  | 284                     | P                       | H               |
|                             |      | 5350.56              | 49.79               | -4.21                   | 54                          | 41.78                     | 31.3                          | 9.82                   | 33.11                      | 215                  | 284                     | A                       | H               |
|                             |      | 5050.66              | 50.11               | -23.89                  | 74                          | 42.09                     | 31.6                          | 9.54                   | 33.12                      | 200                  | 104                     | P                       | V               |
|                             |      | 5144.16              | 42.32               | -11.68                  | 54                          | 33.87                     | 31.89                         | 9.68                   | 33.12                      | 200                  | 104                     | A                       | V               |
|                             | *    | 5260                 | 112.85              | -                       | -                           | 104.8                     | 31.38                         | 9.78                   | 33.11                      | 200                  | 104                     | P                       | V               |
|                             | *    | 5260                 | 104.75              | -                       | -                           | 96.7                      | 31.38                         | 9.78                   | 33.11                      | 200                  | 104                     | A                       | V               |
|                             |      | 5355.84              | 54.9                | -19.1                   | 74                          | 46.85                     | 31.34                         | 9.82                   | 33.11                      | 200                  | 104                     | P                       | V               |
|                             |      | 5350.32              | 47.42               | -6.58                   | 54                          | 39.41                     | 31.3                          | 9.82                   | 33.11                      | 200                  | 104                     | A                       | V               |



# FCC RADIO TEST REPORT

Report No. : FR912813E

|                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-----------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 5132.6  | 51.43  | -22.57 | 74 | 43.02  | 31.87 | 9.66 | 33.12 | 200 | 283 | P | H |
|                             |                                                                                             | 5144.84 | 42.62  | -11.38 | 54 | 34.17  | 31.89 | 9.68 | 33.12 | 200 | 283 | A | H |
|                             | *                                                                                           | 5300    | 115.52 | -      | -  | 107.53 | 31.3  | 9.8  | 33.11 | 200 | 283 | P | H |
|                             | *                                                                                           | 5300    | 107.58 | -      | -  | 99.59  | 31.3  | 9.8  | 33.11 | 200 | 283 | A | H |
|                             |                                                                                             | 5357.76 | 62.14  | -11.86 | 74 | 54.08  | 31.35 | 9.82 | 33.11 | 200 | 283 | P | H |
|                             |                                                                                             | 5350.32 | 51.13  | -2.87  | 54 | 43.12  | 31.3  | 9.82 | 33.11 | 200 | 283 | A | H |
|                             |                                                                                             | 5072.42 | 50.43  | -23.57 | 74 | 42.29  | 31.69 | 9.57 | 33.12 | 212 | 104 | P | V |
|                             |                                                                                             | 5144.5  | 42.21  | -11.79 | 54 | 33.76  | 31.89 | 9.68 | 33.12 | 212 | 104 | A | V |
|                             | *                                                                                           | 5300    | 113.14 | -      | -  | 105.15 | 31.3  | 9.8  | 33.11 | 212 | 104 | P | V |
|                             | *                                                                                           | 5300    | 105.16 | -      | -  | 97.17  | 31.3  | 9.8  | 33.11 | 212 | 104 | A | V |
|                             |                                                                                             | 5364.48 | 56.11  | -17.89 | 74 | 48     | 31.39 | 9.83 | 33.11 | 212 | 104 | P | V |
|                             |                                                                                             | 5350.08 | 48.52  | -5.48  | 54 | 40.51  | 31.3  | 9.82 | 33.11 | 212 | 104 | A | V |
|                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
| 802.11a<br>CH 64<br>5320MHz | *                                                                                           | 5320    | 112.69 | -      | -  | 104.69 | 31.3  | 9.81 | 33.11 | 200 | 284 | P | H |
|                             | *                                                                                           | 5320    | 104.32 | -      | -  | 96.32  | 31.3  | 9.81 | 33.11 | 200 | 284 | A | H |
|                             |                                                                                             | 5350.72 | 63.03  | -10.97 | 74 | 55.02  | 31.3  | 9.82 | 33.11 | 200 | 284 | P | H |
|                             |                                                                                             | 5350.08 | 52.17  | -1.83  | 54 | 44.16  | 31.3  | 9.82 | 33.11 | 200 | 284 | A | H |
|                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                             | *                                                                                           | 5320    | 110.25 | -      | -  | 102.25 | 31.3  | 9.81 | 33.11 | 200 | 253 | P | V |
|                             | *                                                                                           | 5320    | 101.77 | -      | -  | 93.77  | 31.3  | 9.81 | 33.11 | 200 | 253 | A | V |
|                             |                                                                                             | 5350.4  | 61.18  | -12.82 | 74 | 53.17  | 31.3  | 9.82 | 33.11 | 200 | 253 | P | V |
|                             |                                                                                             | 5350.08 | 48.72  | -5.28  | 54 | 40.71  | 31.3  | 9.82 | 33.11 | 200 | 253 | A | V |
|                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                             |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                   | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                           |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |                                                                                             | 5560      | 57.47      | -10.73     | 68.2       | 48.82      | 31.8           | 9.98      | 33.13         | 215     | 284       | P         | H       |
|                             |                                                                                             | 10520     | 47.02      | -21.18     | 68.2       | 52.98      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H       |
|                             |                                                                                             | 15780     | 43.48      | -30.52     | 74         | 47.28      | 37.58          | 19        | 60.38         | 100     | 0         | P         | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             | 5560      | 57.81      | -10.39     | 68.2       | 49.16      | 31.8           | 9.98      | 33.13         | 100     | 0         | P         | V       |
|                             |                                                                                             | 10520     | 46.66      | -21.54     | 68.2       | 52.62      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V       |
|                             |                                                                                             | 15780     | 43.59      | -30.41     | 74         | 47.39      | 37.58          | 19        | 60.38         | 100     | 0         | P         | V       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 5602      | 57.01      | -11.19     | 68.2       | 48.33      | 31.8           | 10.02     | 33.14         | 200     | 283       | P         | H       |
|                             |                                                                                             | 10600     | 44.18      | -29.82     | 74         | 50.16      | 39.7           | 15.4      | 61.08         | 100     | 0         | P         | H       |
|                             |                                                                                             | 15900     | 42.82      | -31.18     | 74         | 46.85      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             | 5596      | 55.63      | -12.57     | 68.2       | 46.95      | 31.8           | 10.02     | 33.14         | 212     | 104       | P         | V       |
|                             |                                                                                             | 10600     | 46.46      | -27.54     | 74         | 52.44      | 39.7           | 15.4      | 61.08         | 100     | 0         | P         | V       |
|                             |                                                                                             | 15900     | 42.87      | -31.13     | 74         | 46.9       | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 5614      | 55.37      | -12.83     | 68.2       | 46.71      | 31.77          | 10.04     | 33.15         | 200     | 284       | P         | H       |
|                             |                                                                                             | 10640     | 44.25      | -29.75     | 74         | 50.28      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H       |
|                             |                                                                                             | 15960     | 42.09      | -31.91     | 74         | 46.22      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                             |                                                                                             | 5614      | 53.67      | -14.53     | 68.2       | 45.01      | 31.77          | 10.04     | 33.15         | 200     | 253       | P         | V       |
|                             |                                                                                             | 10640     | 44.69      | -29.31     | 74         | 50.72      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | V       |
|                             |                                                                                             | 15960     | 42.83      | -31.17     | 74         | 46.96      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V       |
|                             |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



## Band 2 5250~5350MHz

## WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant.                             | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                                     |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |      | 5046.24   | 49.92      | -24.08     | 74         | 41.93      | 31.58          | 9.53      | 33.12         | 215     | 284       | P         | H       |
|                                       |      | 5104.38   | 42.82      | -11.18     | 54         | 34.51      | 31.81          | 9.62      | 33.12         | 215     | 284       | A         | H       |
|                                       | *    | 5260      | 115.5      | -          | -          | 107.45     | 31.38          | 9.78      | 33.11         | 215     | 284       | P         | H       |
|                                       | *    | 5260      | 107.25     | -          | -          | 99.2       | 31.38          | 9.78      | 33.11         | 215     | 284       | A         | H       |
|                                       |      | 5421.6    | 58         | -16        | 74         | 49.61      | 31.64          | 9.86      | 33.11         | 215     | 284       | P         | H       |
|                                       |      | 5350.56   | 49.51      | -4.49      | 54         | 41.5       | 31.3           | 9.82      | 33.11         | 215     | 284       | A         | H       |
|                                       |      | 5106.08   | 51.13      | -22.87     | 74         | 42.82      | 31.81          | 9.62      | 33.12         | 200     | 104       | P         | V       |
|                                       |      | 5147.56   | 42.2       | -11.8      | 54         | 33.74      | 31.9           | 9.68      | 33.12         | 200     | 104       | A         | V       |
|                                       | *    | 5260      | 113.45     | -          | -          | 105.4      | 31.38          | 9.78      | 33.11         | 200     | 104       | P         | V       |
|                                       | *    | 5260      | 104.25     | -          | -          | 96.2       | 31.38          | 9.78      | 33.11         | 200     | 104       | A         | V       |
|                                       |      | 5358.72   | 55.23      | -18.77     | 74         | 47.17      | 31.35          | 9.82      | 33.11         | 200     | 104       | P         | V       |
|                                       |      | 5352.24   | 47.07      | -6.93      | 54         | 39.05      | 31.31          | 9.82      | 33.11         | 200     | 104       | A         | V       |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |      | 5142.12   | 50.06      | -23.94     | 74         | 41.63      | 31.88          | 9.67      | 33.12         | 199     | 283       | P         | H       |
|                                       |      | 5145.86   | 41.77      | -12.23     | 54         | 33.32      | 31.89          | 9.68      | 33.12         | 199     | 283       | A         | H       |
|                                       | *    | 5300      | 115.82     | -          | -          | 107.83     | 31.3           | 9.8       | 33.11         | 199     | 283       | P         | H       |
|                                       | *    | 5300      | 107.74     | -          | -          | 99.75      | 31.3           | 9.8       | 33.11         | 199     | 283       | A         | H       |
|                                       |      | 5352.96   | 61.99      | -12.01     | 74         | 53.96      | 31.32          | 9.82      | 33.11         | 199     | 283       | P         | H       |
|                                       |      | 5358.72   | 51.04      | -2.96      | 54         | 42.98      | 31.35          | 9.82      | 33.11         | 199     | 283       | A         | H       |
|                                       |      | 5135.32   | 50.33      | -23.67     | 74         | 41.92      | 31.87          | 9.66      | 33.12         | 199     | 101       | P         | V       |
|                                       |      | 5146.2    | 41.23      | -12.77     | 54         | 32.78      | 31.89          | 9.68      | 33.12         | 199     | 101       | A         | V       |
|                                       | *    | 5300      | 113.16     | -          | -          | 105.17     | 31.3           | 9.8       | 33.11         | 199     | 101       | P         | V       |
|                                       | *    | 5300      | 104.83     | -          | -          | 96.84      | 31.3           | 9.8       | 33.11         | 199     | 101       | A         | V       |
|                                       |      | 5351.76   | 62.21      | -11.79     | 74         | 54.19      | 31.31          | 9.82      | 33.11         | 199     | 101       | P         | V       |
|                                       |      | 5358.48   | 48.6       | -5.4       | 54         | 40.54      | 31.35          | 9.82      | 33.11         | 199     | 101       | A         | V       |



|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   |   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 112.32 | -     | -  | 104.32 | 31.3  | 9.81 | 33.11 | 198 | 283 | P | H |
|                                                                   | *                                                                                           | 5320    | 104.52 | -     | -  | 96.52  | 31.3  | 9.81 | 33.11 | 198 | 283 | A | H |
|                                                                   |                                                                                             | 5352.48 | 66.13  | -7.87 | 74 | 58.11  | 31.31 | 9.82 | 33.11 | 198 | 283 | P | H |
|                                                                   |                                                                                             | 5350.08 | 52.51  | -1.49 | 54 | 44.5   | 31.3  | 9.82 | 33.11 | 198 | 283 | A | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   | *                                                                                           | 5320    | 110.27 | -     | -  | 102.27 | 31.3  | 9.81 | 33.11 | 203 | 109 | P | V |
|                                                                   | *                                                                                           | 5320    | 101.66 | -     | -  | 93.66  | 31.3  | 9.81 | 33.11 | 203 | 109 | A | V |
|                                                                   |                                                                                             | 5351.04 | 67.04  | -6.96 | 74 | 59.02  | 31.31 | 9.82 | 33.11 | 203 | 109 | P | V |
|                                                                   |                                                                                             | 5350.08 | 49.86  | -4.14 | 54 | 41.85  | 31.3  | 9.82 | 33.11 | 203 | 109 | A | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |                                                                                             | 5560      | 56.94      | -11.26     | 68.2       | 48.29      | 31.8           | 9.98      | 33.13         | 215     | 284       | P         | H     |
|                                       |                                                                                             | 10520     | 46.69      | -21.51     | 68.2       | 52.65      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15780     | 43.4       | -30.6      | 74         | 47.2       | 37.58          | 19        | 60.38         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5560      | 56.16      | -12.04     | 68.2       | 47.51      | 31.8           | 9.98      | 33.13         | 200     | 104       | P         | V     |
|                                       |                                                                                             | 10520     | 48.75      | -19.45     | 68.2       | 54.71      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15780     | 44.11      | -29.89     | 74         | 47.91      | 37.58          | 19        | 60.38         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |                                                                                             | 5602      | 57.39      | -10.81     | 68.2       | 48.71      | 31.8           | 10.02     | 33.14         | 199     | 283       | P         | H     |
|                                       |                                                                                             | 10600     | 44.55      | -29.45     | 74         | 50.53      | 39.7           | 15.4      | 61.08         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15900     | 43.17      | -30.83     | 74         | 47.2       | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5602      | 55.02      | -13.18     | 68.2       | 46.34      | 31.8           | 10.02     | 33.14         | 199     | 101       | P         | V     |
|                                       |                                                                                             | 10600     | 44.99      | -29.01     | 74         | 50.97      | 39.7           | 15.4      | 61.08         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15900     | 42.59      | -31.41     | 74         | 46.62      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11ac<br>VHT20<br>CH 64<br>5320MHz |                                                                                             | 5480      | 55.58      | -12.62     | 68.2       | 46.96      | 31.82          | 9.91      | 33.11         | 198     | 283       | P         | H     |
|                                       |                                                                                             | 10640     | 44.13      | -29.87     | 74         | 50.16      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15960     | 42.46      | -31.54     | 74         | 46.59      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5480      | 54.13      | -14.07     | 68.2       | 45.51      | 31.82          | 9.91      | 33.11         | 203     | 109       | P         | V     |
|                                       |                                                                                             | 10640     | 44.53      | -29.47     | 74         | 50.56      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15960     | 42.33      | -31.67     | 74         | 46.46      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5111.18   | 51.88      | -22.12     | 74         | 43.55      | 31.82          | 9.63      | 33.12         | 211     | 278       | P         | H     |
|                                       |                                                                                             | 5120.7    | 44.59      | -9.41      | 54         | 36.23      | 31.84          | 9.64      | 33.12         | 211     | 278       | A         | H     |
|                                       | *                                                                                           | 5270      | 111.7      | -          | -          | 103.66     | 31.36          | 9.79      | 33.11         | 211     | 278       | P         | H     |
|                                       | *                                                                                           | 5270      | 103.39     | -          | -          | 95.35      | 31.36          | 9.79      | 33.11         | 211     | 278       | A         | H     |
|                                       |                                                                                             | 5350.8    | 63.67      | -10.33     | 74         | 55.66      | 31.3           | 9.82      | 33.11         | 211     | 278       | P         | H     |
|                                       |                                                                                             | 5351.52   | 52.17      | -1.83      | 54         | 44.15      | 31.31          | 9.82      | 33.11         | 211     | 278       | A         | H     |
|                                       |                                                                                             | 5095.88   | 50.44      | -23.56     | 74         | 42.18      | 31.78          | 9.6       | 33.12         | 224     | 275       | P         | V     |
|                                       |                                                                                             | 5127.16   | 43.74      | -10.26     | 54         | 35.36      | 31.85          | 9.65      | 33.12         | 224     | 275       | A         | V     |
|                                       | *                                                                                           | 5270      | 108.54     | -          | -          | 100.5      | 31.36          | 9.79      | 33.11         | 224     | 275       | P         | V     |
|                                       | *                                                                                           | 5270      | 99.83      | -          | -          | 91.79      | 31.36          | 9.79      | 33.11         | 224     | 275       | A         | V     |
|                                       |                                                                                             | 5360.4    | 57.71      | -16.29     | 74         | 49.64      | 31.36          | 9.82      | 33.11         | 224     | 275       | P         | V     |
|                                       |                                                                                             | 5436.24   | 48.97      | -5.03      | 54         | 40.54      | 31.67          | 9.87      | 33.11         | 224     | 275       | A         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5137.02   | 51.39      | -22.61     | 74         | 42.97      | 31.87          | 9.67      | 33.12         | 215     | 282       | P         | H     |
|                                       |                                                                                             | 5137.36   | 42.31      | -11.69     | 54         | 33.89      | 31.87          | 9.67      | 33.12         | 215     | 282       | A         | H     |
|                                       | *                                                                                           | 5310      | 107.27     | -          | -          | 99.28      | 31.3           | 9.8       | 33.11         | 215     | 282       | P         | H     |
|                                       | *                                                                                           | 5310      | 98.38      | -          | -          | 90.39      | 31.3           | 9.8       | 33.11         | 215     | 282       | A         | H     |
|                                       |                                                                                             | 5354.88   | 63.51      | -10.49     | 74         | 55.47      | 31.33          | 9.82      | 33.11         | 215     | 282       | P         | H     |
|                                       |                                                                                             | 5351.52   | 52.88      | -1.12      | 54         | 44.86      | 31.31          | 9.82      | 33.11         | 215     | 282       | P         | H     |
|                                       |                                                                                             | 5121.72   | 50.13      | -23.87     | 74         | 41.77      | 31.84          | 9.64      | 33.12         | 200     | 272       | P         | V     |
|                                       |                                                                                             | 5078.2    | 41.93      | -12.07     | 54         | 33.76      | 31.71          | 9.58      | 33.12         | 200     | 272       | A         | V     |
|                                       | *                                                                                           | 5310      | 103.63     | -          | -          | 95.64      | 31.3           | 9.8       | 33.11         | 200     | 272       | P         | V     |
|                                       | *                                                                                           | 5310      | 94.67      | -          | -          | 86.68      | 31.3           | 9.8       | 33.11         | 200     | 272       | A         | V     |
|                                       |                                                                                             | 5354.4    | 62.33      | -11.67     | 74         | 54.29      | 31.33          | 9.82      | 33.11         | 200     | 272       | P         | V     |
|                                       |                                                                                             | 5350.56   | 48.29      | -5.71      | 54         | 40.28      | 31.3           | 9.82      | 33.11         | 200     | 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 VHT40 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5518      | 56.27      | -11.93     | 68.2       | 47.58      | 31.86          | 9.95      | 33.12          | 211     | 278       | P         | H     |
|                                       |                                                                                             | 10540     | 46.15      | -22.05     | 68.2       | 52.11      | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15810     | 44.35      | -29.65     | 74         | 48.13      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5506      | 55.2       | -13        | 68.2       | 46.48      | 31.89          | 9.94      | 33.11          | 224     | 275       | P         | V     |
|                                       |                                                                                             | 10540     | 45         | -23.2      | 68.2       | 50.96      | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15810     | 43.28      | -30.72     | 74         | 47.06      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5476      | 56.19      | -12.01     | 68.2       | 47.59      | 31.8           | 9.91      | 33.11          | 215     | 282       | P         | H     |
|                                       |                                                                                             | 10620     | 44.33      | -29.67     | 74         | 50.34      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15930     | 41.7       | -32.3      | 74         | 45.79      | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5464      | 54.48      | -13.72     | 68.2       | 45.93      | 31.76          | 9.9       | 33.11          | 200     | 272       | P         | V     |
|                                       |                                                                                             | 10620     | 44.27      | -29.73     | 74         | 50.28      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15930     | 42.91      | -31.09     | 74         | 47         | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5116.1    | 51.62      | -22.38     | 74         | 43.28      | 31.83          | 9.63      | 33.12         | 212     | 282       | P         | H     |
|                                       |                                                                                             | 5136.2    | 42.17      | -11.83     | 54         | 33.76      | 31.87          | 9.66      | 33.12         | 212     | 282       | A         | H     |
|                                       | *                                                                                           | 5290      | 103.24     | -          | -          | 95.23      | 31.32          | 9.8       | 33.11         | 212     | 282       | P         | H     |
|                                       | *                                                                                           | 5290      | 94.68      | -          | -          | 86.67      | 31.32          | 9.8       | 33.11         | 212     | 282       | A         | H     |
|                                       |                                                                                             | 5351.28   | 61.64      | -12.36     | 74         | 53.62      | 31.31          | 9.82      | 33.11         | 212     | 282       | P         | H     |
|                                       |                                                                                             | 5351.52   | 52.09      | -1.91      | 54         | 44.07      | 31.31          | 9.82      | 33.11         | 212     | 282       | P         | H     |
|                                       |                                                                                             | 5030.6    | 50.96      | -23.04     | 74         | 43.05      | 31.52          | 9.51      | 33.12         | 202     | 247       | P         | V     |
|                                       |                                                                                             | 5142.8    | 41.86      | -12.14     | 54         | 33.42      | 31.89          | 9.67      | 33.12         | 202     | 247       | A         | V     |
|                                       | *                                                                                           | 5290      | 99.8       | -          | -          | 91.79      | 31.32          | 9.8       | 33.11         | 202     | 247       | P         | V     |
|                                       | *                                                                                           | 5290      | 91.1       | -          | -          | 83.09      | 31.32          | 9.8       | 33.11         | 202     | 247       | A         | V     |
|                                       |                                                                                             | 5351.76   | 63.33      | -10.67     | 74         | 55.31      | 31.31          | 9.82      | 33.11         | 202     | 247       | P         | V     |
|                                       |                                                                                             | 5357.04   | 47.21      | -6.79      | 54         | 39.16      | 31.34          | 9.82      | 33.11         | 202     | 247       | 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.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 10580     | 44.44      | -23.76     | 68.2       | 50.42      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15870     | 43.01      | -30.99     | 74         | 46.95      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 10580     | 45.28      | -22.92     | 68.2       | 51.26      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15870     | 43.82      | -30.18     | 74         | 47.76      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - 5470~5725MHz**

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

| WIFI                                  | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                                     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |      | 5459.12   | 57.31      | -16.69 | 74         | 48.79  | 31.74    | 9.89   | 33.11  | 188    | 288     | P     | H     |
|                                       |      | 5466.32   | 66.58      | -1.62  | 68.2       | 58.02  | 31.77    | 9.9    | 33.11  | 188    | 288     | P     | H     |
|                                       |      | 5426.16   | 46.66      | -7.34  | 54         | 38.26  | 31.65    | 9.86   | 33.11  | 188    | 288     | A     | H     |
|                                       | *    | 5500      | 110.31     | -      | -          | 101.59 | 31.9     | 9.93   | 33.11  | 188    | 288     | P     | H     |
|                                       | *    | 5500      | 101.73     | -      | -          | 93.01  | 31.9     | 9.93   | 33.11  | 188    | 288     | A     | H     |
|                                       |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                       |      | 5458      | 56.2       | -17.8  | 74         | 47.69  | 31.73    | 9.89   | 33.11  | 196    | 114     | P     | V     |
|                                       |      | 5469.84   | 65.47      | -2.73  | 68.2       | 56.9   | 31.78    | 9.9    | 33.11  | 196    | 114     | P     | V     |
|                                       |      | 5422.96   | 44.71      | -9.29  | 54         | 36.31  | 31.65    | 9.86   | 33.11  | 196    | 114     | A     | V     |
|                                       | *    | 5500      | 109.51     | -      | -          | 100.79 | 31.9     | 9.93   | 33.11  | 196    | 114     | P     | V     |
|                                       | *    | 5500      | 100.9      | -      | -          | 92.18  | 31.9     | 9.93   | 33.11  | 196    | 114     | A     | V     |
|                                       |      |           |            |        |            |        |          |        |        |        |         |       | V     |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |      | 5414.8    | 56         | -18    | 74         | 47.63  | 31.63    | 9.85   | 33.11  | 195    | 288     | P     | H     |
|                                       |      | 5470      | 51.45      | -16.75 | 68.2       | 42.88  | 31.78    | 9.9    | 33.11  | 195    | 288     | P     | H     |
|                                       |      | 5423.44   | 48.99      | -5.01  | 54         | 40.59  | 31.65    | 9.86   | 33.11  | 195    | 288     | A     | H     |
|                                       | *    | 5580      | 113.88     | -      | -          | 105.22 | 31.8     | 10     | 33.14  | 195    | 288     | P     | H     |
|                                       | *    | 5580      | 105.57     | -      | -          | 96.91  | 31.8     | 10     | 33.14  | 195    | 288     | A     | H     |
|                                       |      | 5737.28   | 58.35      | -9.85  | 68.2       | 49.26  | 32.07    | 10.21  | 33.19  | 195    | 288     | P     | H     |
|                                       |      | 5425.12   | 55.25      | -18.75 | 74         | 46.85  | 31.65    | 9.86   | 33.11  | 192    | 112     | P     | V     |
|                                       |      | 5467.36   | 50.77      | -17.43 | 68.2       | 42.21  | 31.77    | 9.9    | 33.11  | 192    | 112     | P     | V     |
|                                       |      | 5422.48   | 47.41      | -6.59  | 54         | 39.02  | 31.64    | 9.86   | 33.11  | 192    | 112     | A     | V     |
|                                       | *    | 5580      | 114.05     | -      | -          | 105.39 | 31.8     | 10     | 33.14  | 192    | 112     | P     | V     |
|                                       | *    | 5580      | 105.8      | -      | -          | 97.14  | 31.8     | 10     | 33.14  | 192    | 112     | A     | V     |
|                                       |      | 5732.24   | 57.54      | -10.66 | 68.2       | 48.45  | 32.06    | 10.21  | 33.18  | 192    | 112     | P     | V     |



|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   |   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|--------|--------|-------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700   | 109.26 | -     | -    | 100.27 | 32    | 10.16 | 33.17 | 184 | 317 | P | H |
|                                                   | *                                                                                           | 5700   | 100.74 | -     | -    | 91.75  | 32    | 10.16 | 33.17 | 184 | 317 | A | H |
|                                                   |                                                                                             | 5727.4 | 66.07  | -2.13 | 68.2 | 57     | 32.05 | 10.2  | 33.18 | 184 | 317 | P | H |
|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   | H |
|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   | H |
|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   | H |
|                                                   | *                                                                                           | 5700   | 110.02 | -     | -    | 101.03 | 32    | 10.16 | 33.17 | 187 | 246 | P | V |
|                                                   | *                                                                                           | 5700   | 101.57 | -     | -    | 92.58  | 32    | 10.16 | 33.17 | 187 | 246 | A | V |
|                                                   |                                                                                             | 5726.6 | 67.08  | -1.12 | 68.2 | 58.01  | 32.05 | 10.2  | 33.18 | 187 | 246 | P | V |
|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   | V |
|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   | V |
|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   | V |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |        |        |       |      |        |       |       |       |     |     |   |   |
|                                                   |                                                                                             |        |        |       |      |        |       |       |       |     |     |   |   |



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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |                                                                                             | 5344      | 53.06      | -15.14     | 68.2       | 45.05      | 31.3           | 9.82      | 33.11          | 188     | 288       | P         | H       |
|                                       |                                                                                             | 5734      | 57.12      | -11.08     | 68.2       | 48.02      | 32.07          | 10.21     | 33.18          | 188     | 288       | P         | H       |
|                                       |                                                                                             | 11100     | 44.68      | -29.32     | 74         | 50.8       | 39.6           | 15.68     | 61.4           | 100     | 0         | P         | H       |
|                                       |                                                                                             | 16650     | 44.81      | -23.39     | 68.2       | 45.2       | 39.05          | 19.69     | 59.13          | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5344      | 51.85      | -16.35     | 68.2       | 43.84      | 31.3           | 9.82      | 33.11          | 196     | 114       | P         | V       |
|                                       |                                                                                             | 5734      | 57.46      | -10.74     | 68.2       | 48.36      | 32.07          | 10.21     | 33.18          | 196     | 114       | P         | V       |
|                                       |                                                                                             | 11100     | 44.53      | -29.47     | 74         | 50.65      | 39.6           | 15.68     | 61.4           | 100     | 0         | P         | V       |
|                                       |                                                                                             | 16650     | 44.51      | -23.69     | 68.2       | 44.9       | 39.05          | 19.69     | 59.13          | 100     | 0         | P         | V       |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |                                                                                             | 5338      | 55.73      | -12.47     | 68.2       | 47.72      | 31.3           | 9.82      | 33.11          | 195     | 288       | P         | H       |
|                                       |                                                                                             | 5818      | 58.29      | -9.91      | 68.2       | 48.94      | 32.24          | 10.32     | 33.21          | 195     | 288       | P         | H       |
|                                       |                                                                                             | 11160     | 46.59      | -27.41     | 74         | 52.79      | 39.48          | 15.72     | 61.4           | 100     | 0         | P         | H       |
|                                       |                                                                                             | 16740     | 46.64      | -21.56     | 68.2       | 46.23      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5338      | 54.73      | -13.47     | 68.2       | 46.72      | 31.3           | 9.82      | 33.11          | 192     | 112       | P         | V       |
|                                       |                                                                                             | 5818      | 59.12      | -9.08      | 68.2       | 49.77      | 32.24          | 10.32     | 33.21          | 192     | 112       | P         | V       |
|                                       |                                                                                             | 11160     | 46.81      | -27.19     | 74         | 53.01      | 39.48          | 15.72     | 61.4           | 100     | 0         | P         | V       |
|                                       |                                                                                             | 16740     | 46.82      | -21.38     | 68.2       | 46.41      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V       |
| <b>802.11a<br/>CH 140<br/>5700MHz</b> |                                                                                             | 5470      | 52.11      | -16.09     | 68.2       | 43.54      | 31.78          | 9.9       | 33.11          | 184     | 317       | P         | H       |
|                                       |                                                                                             | 5944      | 56.53      | -11.67     | 68.2       | 46.73      | 32.59          | 10.46     | 33.25          | 184     | 317       | P         | H       |
|                                       |                                                                                             | 11400     | 44.45      | -29.55     | 74         | 50.29      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H       |
|                                       |                                                                                             | 17100     | 47.99      | -20.21     | 68.2       | 45.75      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5470      | 52.2       | -16        | 68.2       | 43.63      | 31.78          | 9.9       | 33.11          | 187     | 246       | P         | V       |
|                                       |                                                                                             | 5944      | 58.32      | -9.88      | 68.2       | 48.52      | 32.59          | 10.46     | 33.25          | 187     | 246       | P         | V       |
|                                       |                                                                                             | 11400     | 45.27      | -28.73     | 74         | 51.11      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V       |
|                                       |                                                                                             | 17100     | 46.99      | -21.21     | 68.2       | 44.75      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | V       |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                                                          | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1                                                                  |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 100</b><br><b>5500MHz</b> |      | 5459.92   | 61.23      | -12.77     | 74         | 52.71      | 31.74          | 9.89      | 33.11         | 187     | 289       | P         | H     |
|                                                                    |      | 5469.52   | 67.03      | -1.17      | 68.2       | 58.46      | 31.78          | 9.9       | 33.11         | 187     | 289       | P         | H     |
|                                                                    |      | 5425.36   | 45.36      | -8.64      | 54         | 36.96      | 31.65          | 9.86      | 33.11         | 187     | 289       | A         | H     |
|                                                                    | *    | 5500      | 110.81     | -          | -          | 102.09     | 31.9           | 9.93      | 33.11         | 187     | 289       | P         | H     |
|                                                                    | *    | 5500      | 101.86     | -          | -          | 93.14      | 31.9           | 9.93      | 33.11         | 187     | 289       | A         | H     |
|                                                                    |      |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                                                    |      | 5456.88   | 59.16      | -14.84     | 74         | 50.65      | 31.73          | 9.89      | 33.11         | 198     | 113       | P         | V     |
|                                                                    |      | 5465.84   | 65.69      | -2.51      | 68.2       | 57.14      | 31.76          | 9.9       | 33.11         | 198     | 113       | P         | V     |
|                                                                    |      | 5427.92   | 43.68      | -10.32     | 54         | 35.26      | 31.66          | 9.87      | 33.11         | 198     | 113       | A         | V     |
|                                                                    | *    | 5500      | 110.01     | -          | -          | 101.29     | 31.9           | 9.93      | 33.11         | 198     | 113       | P         | V     |
|                                                                    | *    | 5500      | 100.94     | -          | -          | 92.22      | 31.9           | 9.93      | 33.11         | 198     | 113       | A         | V     |
|                                                                    |      |           |            |            |            |            |                |           |               |         |           |           | V     |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 116</b><br><b>5580MHz</b> |      | 5414.08   | 56.56      | -17.44     | 74         | 48.19      | 31.63          | 9.85      | 33.11         | 196     | 286       | P         | H     |
|                                                                    |      | 5467.6    | 52.03      | -16.17     | 68.2       | 43.47      | 31.77          | 9.9       | 33.11         | 196     | 286       | P         | H     |
|                                                                    |      | 5423.68   | 48.24      | -5.76      | 54         | 39.84      | 31.65          | 9.86      | 33.11         | 196     | 286       | A         | H     |
|                                                                    | *    | 5580      | 114.3      | -          | -          | 105.64     | 31.8           | 10        | 33.14         | 196     | 286       | P         | H     |
|                                                                    | *    | 5580      | 105.74     | -          | -          | 97.08      | 31.8           | 10        | 33.14         | 196     | 286       | A         | H     |
|                                                                    |      | 5746.415  | 58.01      | -10.19     | 68.2       | 48.89      | 32.09          | 10.22     | 33.19         | 196     | 286       | P         | H     |
|                                                                    |      | 5411.92   | 55.02      | -18.98     | 74         | 46.66      | 31.62          | 9.85      | 33.11         | 218     | 117       | P         | V     |
|                                                                    |      | 5462.56   | 51.46      | -16.74     | 68.2       | 42.92      | 31.75          | 9.9       | 33.11         | 218     | 117       | P         | V     |
|                                                                    |      | 5414.8    | 45.62      | -8.38      | 54         | 37.25      | 31.63          | 9.85      | 33.11         | 218     | 117       | A         | V     |
|                                                                    | *    | 5580      | 114.22     | -          | -          | 105.56     | 31.8           | 10        | 33.14         | 218     | 117       | P         | V     |
|                                                                    | *    | 5580      | 105.75     | -          | -          | 97.09      | 31.8           | 10        | 33.14         | 218     | 117       | A         | V     |
|                                                                    |      | 5735.39   | 57.71      | -10.49     | 68.2       | 48.62      | 32.07          | 10.21     | 33.19         | 218     | 117       | P         | V     |



|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 109.63 | -     | -    | 100.64 | 32    | 10.16 | 33.17 | 184 | 317 | P | H |
|                                                                    | *                                                                                           | 5700    | 99.98  | -     | -    | 90.99  | 32    | 10.16 | 33.17 | 184 | 317 | A | H |
|                                                                    |                                                                                             | 5726.28 | 66.27  | -1.93 | 68.2 | 57.2   | 32.05 | 10.2  | 33.18 | 184 | 317 | P | H |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                                    | *                                                                                           | 5700    | 109.74 | -     | -    | 100.75 | 32    | 10.16 | 33.17 | 198 | 246 | P | V |
|                                                                    | *                                                                                           | 5700    | 100.53 | -     | -    | 91.54  | 32    | 10.16 | 33.17 | 198 | 246 | A | V |
|                                                                    |                                                                                             | 5726.76 | 66.46  | -1.74 | 68.2 | 57.39  | 32.05 | 10.2  | 33.18 | 198 | 246 | P | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
| <b>Remark</b>                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |      |        |       |       |       |     |     |   |   |





**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |                                                                                             | 5338      | 53.95      | -14.25     | 68.2       | 45.94      | 31.3           | 9.82      | 33.11          | 187     | 289       | P         | H     |
|                                        |                                                                                             | 5734      | 56.81      | -11.39     | 68.2       | 47.71      | 32.07          | 10.21     | 33.18          | 187     | 289       | P         | H     |
|                                        |                                                                                             | 11000     | 45.51      | -28.49     | 74         | 51.29      | 40             | 15.62     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16500     | 45.11      | -23.09     | 68.2       | 46.36      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5740      | 57.14      | -11.06     | 68.2       | 48.03      | 32.08          | 10.22     | 33.19          | 198     | 113       | P         | V     |
|                                        |                                                                                             | 11000     | 46.44      | -27.56     | 74         | 52.22      | 40             | 15.62     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16500     | 44.02      | -24.18     | 68.2       | 45.27      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |                                                                                             | 5344      | 56.57      | -11.63     | 68.2       | 48.56      | 31.3           | 9.82      | 33.11          | 196     | 286       | P         | H     |
|                                        |                                                                                             | 5817      | 58.82      | -9.38      | 68.2       | 49.48      | 32.23          | 10.32     | 33.21          | 196     | 286       | P         | H     |
|                                        |                                                                                             | 11160     | 46.39      | -27.61     | 74         | 52.59      | 39.48          | 15.72     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16740     | 46.65      | -21.55     | 68.2       | 46.24      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5344      | 53.89      | -14.31     | 68.2       | 45.88      | 31.3           | 9.82      | 33.11          | 218     | 117       | P         | V     |
|                                        |                                                                                             | 5817      | 58.7       | -9.5       | 68.2       | 49.36      | 32.23          | 10.32     | 33.21          | 218     | 117       | P         | V     |
|                                        |                                                                                             | 11160     | 46.82      | -27.18     | 74         | 53.02      | 39.48          | 15.72     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16740     | 47.64      | -20.56     | 68.2       | 47.23      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |                                                                                             | 5470      | 51.87      | -16.33     | 68.2       | 43.3       | 31.78          | 9.9       | 33.11          | 184     | 317       | P         | H     |
|                                        |                                                                                             | 5944      | 57.3       | -10.9      | 68.2       | 47.5       | 32.59          | 10.46     | 33.25          | 184     | 317       | P         | H     |
|                                        |                                                                                             | 11400     | 44.77      | -29.23     | 74         | 50.61      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17100     | 48.5       | -19.7      | 68.2       | 46.26      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5464      | 52.25      | -15.95     | 68.2       | 43.7       | 31.76          | 9.9       | 33.11          | 198     | 246       | P         | V     |
|                                        |                                                                                             | 5866      | 57.41      | -10.79     | 68.2       | 47.91      | 32.36          | 10.37     | 33.23          | 198     | 246       | P         | V     |
|                                        |                                                                                             | 11400     | 45.77      | -28.23     | 74         | 51.61      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 17100     | 47.84      | -20.36     | 68.2       | 45.6       | 40.1           | 20.1      | 57.96          | 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 VHT40 (Band Edge @ 3m)**

| WIFI Ant.                              | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                                      |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |      | 5458.96   | 63.57      | -10.43     | 74         | 55.05      | 31.74          | 9.89      | 33.11         | 200     | 288       | P         | H       |
|                                        |      | 5468.8    | 67.17      | -1.03      | 68.2       | 58.6       | 31.78          | 9.9       | 33.11         | 200     | 288       | P         | H       |
|                                        |      | 5458.72   | 50.89      | -3.11      | 54         | 42.38      | 31.73          | 9.89      | 33.11         | 200     | 288       | A         | H       |
|                                        | *    | 5510      | 106.8      | -          | -          | 98.09      | 31.88          | 9.94      | 33.11         | 200     | 288       | P         | H       |
|                                        | *    | 5510      | 98.08      | -          | -          | 89.37      | 31.88          | 9.94      | 33.11         | 200     | 288       | A         | H       |
|                                        |      | 5759.96   | 52.74      | -15.46     | 68.2       | 43.57      | 32.12          | 10.24     | 33.19         | 200     | 288       | P         | H       |
|                                        |      | 5459.92   | 64         | -10        | 74         | 55.48      | 31.74          | 9.89      | 33.11         | 199     | 252       | P         | V       |
|                                        |      | 5468.08   | 65.52      | -2.68      | 68.2       | 56.96      | 31.77          | 9.9       | 33.11         | 199     | 252       | P         | V       |
|                                        |      | 5458.96   | 51.6       | -2.4       | 54         | 43.08      | 31.74          | 9.89      | 33.11         | 199     | 252       | A         | V       |
|                                        | *    | 5510      | 107.17     | -          | -          | 98.46      | 31.88          | 9.94      | 33.11         | 199     | 252       | P         | V       |
|                                        | *    | 5510      | 97.54      | -          | -          | 88.83      | 31.88          | 9.94      | 33.11         | 199     | 252       | A         | V       |
|                                        |      | 5745.47   | 53.39      | -14.81     | 68.2       | 44.27      | 32.09          | 10.22     | 33.19         | 199     | 252       | P         | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |      | 5456.32   | 65.33      | -8.67      | 74         | 56.82      | 31.73          | 9.89      | 33.11         | 209     | 287       | P         | H       |
|                                        |      | 5468.56   | 65.76      | -2.44      | 68.2       | 57.2       | 31.77          | 9.9       | 33.11         | 209     | 287       | P         | H       |
|                                        |      | 5458.48   | 52.47      | -1.53      | 54         | 43.96      | 31.73          | 9.89      | 33.11         | 209     | 287       | A         | H       |
|                                        | *    | 5550      | 110.47     | -          | -          | 101.82     | 31.8           | 9.98      | 33.13         | 209     | 287       | P         | H       |
|                                        | *    | 5550      | 102.06     | -          | -          | 93.41      | 31.8           | 9.98      | 33.13         | 209     | 287       | A         | H       |
|                                        |      | 5726.57   | 55.04      | -13.16     | 68.2       | 45.97      | 32.05          | 10.2      | 33.18         | 209     | 287       | P         | H       |
|                                        |      | 5451.76   | 61.18      | -12.82     | 74         | 52.69      | 31.71          | 9.89      | 33.11         | 199     | 252       | P         | V       |
|                                        |      | 5463.28   | 65.47      | -2.73      | 68.2       | 56.93      | 31.75          | 9.9       | 33.11         | 199     | 252       | P         | V       |
|                                        |      | 5458.24   | 51.95      | -2.05      | 54         | 43.44      | 31.73          | 9.89      | 33.11         | 199     | 252       | P         | V       |
|                                        | *    | 5550      | 110.89     | -          | -          | 102.24     | 31.8           | 9.98      | 33.13         | 199     | 252       | P         | V       |
|                                        | *    | 5550      | 102.22     | -          | -          | 93.57      | 31.8           | 9.98      | 33.13         | 199     | 252       | A         | V       |
|                                        |      | 5725.31   | 55.84      | -12.36     | 68.2       | 46.77      | 32.05          | 10.2      | 33.18         | 199     | 252       | P         | V       |



|                                                  |                                                                                             |          |        |        |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac<br/>VHT40<br/>CH 134<br/>5670MHz</b> |                                                                                             | 5444.15  | 52.21  | -21.79 | 74   | 43.75  | 31.69 | 9.88  | 33.11 | 200 | 285 | P | H |
|                                                  |                                                                                             | 5461.65  | 51.66  | -16.54 | 68.2 | 43.12  | 31.75 | 9.9   | 33.11 | 200 | 285 | P | H |
|                                                  |                                                                                             | 5439.25  | 43.78  | -10.22 | 54   | 35.33  | 31.68 | 9.88  | 33.11 | 200 | 285 | A | H |
|                                                  | *                                                                                           | 5670     | 109.03 | -      | -    | 100.25 | 31.82 | 10.12 | 33.16 | 200 | 285 | P | H |
|                                                  | *                                                                                           | 5670     | 100.33 | -      | -    | 91.55  | 31.82 | 10.12 | 33.16 | 200 | 285 | A | H |
|                                                  |                                                                                             | 5726.15  | 66.82  | -1.38  | 68.2 | 57.75  | 32.05 | 10.2  | 33.18 | 200 | 285 | P | H |
|                                                  |                                                                                             | 5436.45  | 51.11  | -22.89 | 74   | 42.68  | 31.67 | 9.87  | 33.11 | 197 | 117 | P | V |
|                                                  |                                                                                             | 5459.9   | 49.91  | -24.09 | 74   | 41.39  | 31.74 | 9.89  | 33.11 | 197 | 117 | P | V |
|                                                  |                                                                                             | 5441.35  | 42.93  | -11.07 | 54   | 34.48  | 31.68 | 9.88  | 33.11 | 197 | 117 | A | V |
|                                                  | *                                                                                           | 5670     | 109.46 | -      | -    | 100.68 | 31.82 | 10.12 | 33.16 | 197 | 117 | P | V |
|                                                  | *                                                                                           | 5670     | 101.02 | -      | -    | 92.24  | 31.82 | 10.12 | 33.16 | 197 | 117 | A | V |
|                                                  |                                                                                             | 5727.725 | 66.67  | -1.53  | 68.2 | 57.59  | 32.06 | 10.2  | 33.18 | 197 | 117 | 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 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |                                                                                             | 11020     | 45.85      | -28.15     | 74         | 51.69      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16530     | 44.67      | -23.53     | 68.2       | 45.75      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 11020     | 46.06      | -27.94     | 74         | 51.9       | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16530     | 45.1       | -23.1      | 68.2       | 46.18      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |                                                                                             | 5790      | 54.65      | -13.55     | 68.2       | 45.38      | 32.18          | 10.29     | 33.2          | 209     | 287       | P         | H       |
|                                        |                                                                                             | 11100     | 44.88      | -29.12     | 74         | 51         | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16650     | 45.01      | -23.19     | 68.2       | 45.4       | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5790      | 55.13      | -13.07     | 68.2       | 45.86      | 32.18          | 10.29     | 33.2          | 199     | 252       | P         | V       |
|                                        |                                                                                             | 11100     | 44.45      | -29.55     | 74         | 50.57      | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16650     | 45.46      | -22.74     | 68.2       | 45.85      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 134<br>5670MHz |                                                                                             | 5830      | 55.54      | -12.66     | 68.2       | 46.17      | 32.26          | 10.33     | 33.22         | 200     | 285       | P         | H       |
|                                        |                                                                                             | 5910      | 55.07      | -13.13     | 68.2       | 45.37      | 32.52          | 10.42     | 33.24         | 200     | 285       | P         | H       |
|                                        |                                                                                             | 11340     | 45.3       | -28.7      | 74         | 51.3       | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17010     | 47.09      | -21.11     | 68.2       | 45.31      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | H       |
|                                        |                                                                                             | 5830      | 57.11      | -11.09     | 68.2       | 47.74      | 32.26          | 10.33     | 33.22         | 197     | 117       | P         | V       |
|                                        |                                                                                             | 5910      | 55.02      | -13.18     | 68.2       | 45.32      | 32.52          | 10.42     | 33.24         | 197     | 117       | P         | V       |
|                                        |                                                                                             | 11340     | 45.47      | -28.53     | 74         | 51.47      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17010     | 47.48      | -20.72     | 68.2       | 45.7       | 40.01          | 20.01     | 58.24         | 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.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5457.04   | 61.84      | -12.16     | 74         | 53.33      | 31.73          | 9.89      | 33.11         | 199     | 290       | P         | H     |
|                                        |                                                                                             | 5466.64   | 62.37      | -5.83      | 68.2       | 53.81      | 31.77          | 9.9       | 33.11         | 199     | 290       | P         | H     |
|                                        |                                                                                             | 5459.92   | 51.32      | -2.68      | 54         | 42.8       | 31.74          | 9.89      | 33.11         | 199     | 290       | A         | H     |
|                                        | *                                                                                           | 5530      | 102.28     | -          | -          | 93.6       | 31.84          | 9.96      | 33.12         | 199     | 290       | P         | H     |
|                                        | *                                                                                           | 5530      | 93.03      | -          | -          | 84.35      | 31.84          | 9.96      | 33.12         | 199     | 290       | A         | H     |
|                                        |                                                                                             | 5736.335  | 51.58      | -16.62     | 68.2       | 42.49      | 32.07          | 10.21     | 33.19         | 199     | 290       | P         | H     |
|                                        |                                                                                             | 5454.4    | 57.85      | -16.15     | 74         | 49.35      | 31.72          | 9.89      | 33.11         | 197     | 112       | P         | V     |
|                                        |                                                                                             | 5465.44   | 61.05      | -7.15      | 68.2       | 52.5       | 31.76          | 9.9       | 33.11         | 197     | 112       | P         | V     |
|                                        |                                                                                             | 5451.52   | 47.26      | -6.74      | 54         | 38.77      | 31.71          | 9.89      | 33.11         | 197     | 112       | A         | V     |
|                                        | *                                                                                           | 5530      | 101.79     | -          | -          | 93.11      | 31.84          | 9.96      | 33.12         | 197     | 112       | P         | V     |
|                                        | *                                                                                           | 5530      | 92.95      | -          | -          | 84.27      | 31.84          | 9.96      | 33.12         | 197     | 112       | A         | V     |
|                                        |                                                                                             | 5725.31   | 51.5       | -16.7      | 68.2       | 42.43      | 32.05          | 10.2      | 33.18         | 197     | 112       | P         | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5444.85   | 61.45      | -12.55     | 74         | 52.99      | 31.69          | 9.88      | 33.11         | 202     | 288       | P         | H     |
|                                        |                                                                                             | 5466.2    | 65.09      | -3.11      | 68.2       | 56.54      | 31.76          | 9.9       | 33.11         | 202     | 288       | P         | H     |
|                                        |                                                                                             | 5458.5    | 52.46      | -1.54      | 54         | 43.95      | 31.73          | 9.89      | 33.11         | 202     | 288       | A         | H     |
|                                        | *                                                                                           | 5610      | 105.52     | -          | -          | 96.86      | 31.78          | 10.03     | 33.15         | 202     | 288       | P         | H     |
|                                        | *                                                                                           | 5610      | 96.78      | -          | -          | 88.12      | 31.78          | 10.03     | 33.15         | 202     | 288       | A         | H     |
|                                        |                                                                                             | 5727.9    | 63.17      | -5.03      | 68.2       | 54.09      | 32.06          | 10.2      | 33.18         | 202     | 288       | P         | H     |
|                                        |                                                                                             | 5458.5    | 61.82      | -12.18     | 74         | 53.31      | 31.73          | 9.89      | 33.11         | 213     | 121       | P         | V     |
|                                        |                                                                                             | 5465.5    | 62.9       | -5.3       | 68.2       | 54.35      | 31.76          | 9.9       | 33.11         | 213     | 121       | P         | V     |
|                                        |                                                                                             | 5458.5    | 50.18      | -3.82      | 54         | 41.67      | 31.73          | 9.89      | 33.11         | 213     | 121       | A         | V     |
|                                        | *                                                                                           | 5610      | 106.62     | -          | -          | 97.96      | 31.78          | 10.03     | 33.15         | 213     | 121       | P         | V     |
|                                        | *                                                                                           | 5610      | 97.69      | -          | -          | 89.03      | 31.78          | 10.03     | 33.15         | 213     | 121       | A         | V     |
|                                        |                                                                                             | 5732.8    | 63.52      | -4.68      | 68.2       | 54.42      | 32.07          | 10.21     | 33.18         | 213     | 121       | P         | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 45.84      | -28.16     | 74         | 51.82      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16590     | 45.29      | -22.91     | 68.2       | 46.06      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11060     | 45.77      | -28.23     | 74         | 51.75      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16590     | 45.19      | -23.01     | 68.2       | 45.96      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 46.1       | -27.9      | 74         | 52.33      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16830     | 47.22      | -20.98     | 68.2       | 46.04      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11220     | 46.19      | -27.81     | 74         | 52.42      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16830     | 45.82      | -22.38     | 68.2       | 44.64      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**

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

| WIFI                                  | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5424.88   | 50.68      | -23.32 | 74         | 42.28  | 31.65    | 9.86   | 33.11  | 199    | 287     | P     | H     |
|                                       |                                                                                             | 5461.93   | 48.81      | -19.39 | 68.2       | 40.27  | 31.75    | 9.9    | 33.11  | 199    | 287     | P     | H     |
|                                       |                                                                                             | 5407.33   | 41.63      | -12.37 | 54         | 33.28  | 31.61    | 9.85   | 33.11  | 199    | 287     | A     | H     |
|                                       | *                                                                                           | 5720      | 113.35     | -      | -          | 104.3  | 32.04    | 10.19  | 33.18  | 199    | 287     | P     | H     |
|                                       | *                                                                                           | 5720      | 105.25     | -      | -          | 96.2   | 32.04    | 10.19  | 33.18  | 199    | 287     | A     | H     |
|                                       |                                                                                             | 5876      | 59.39      | -8.81  | 68.2       | 49.84  | 32.4     | 10.38  | 33.23  | 199    | 287     | P     | H     |
|                                       |                                                                                             | 5457.64   | 49.49      | -24.51 | 74         | 40.98  | 31.73    | 9.89   | 33.11  | 185    | 119     | P     | V     |
|                                       |                                                                                             | 5466.61   | 49.08      | -19.12 | 68.2       | 40.52  | 31.77    | 9.9    | 33.11  | 185    | 119     | P     | V     |
|                                       |                                                                                             | 5440.48   | 40.59      | -13.41 | 54         | 32.14  | 31.68    | 9.88   | 33.11  | 185    | 119     | A     | V     |
|                                       | *                                                                                           | 5720      | 113.41     | -      | -          | 104.36 | 32.04    | 10.19  | 33.18  | 185    | 119     | P     | V     |
|                                       | *                                                                                           | 5720      | 105.45     | -      | -          | 96.4   | 32.04    | 10.19  | 33.18  | 185    | 119     | A     | V     |
|                                       |                                                                                             | 5884      | 59.08      | -9.12  | 68.2       | 49.48  | 32.44    | 10.39  | 33.23  | 185    | 119     | P     | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                     |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5968      | 58.69      | -9.51      | 68.2       | 48.87      | 32.6           | 10.48     | 33.26          | 400     | 0         | P         | H     |
|                                       |                                                                                             | 11440     | 47.71      | -26.29     | 74         | 53.53      | 39.7           | 15.88     | 61.4           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 17160     | 50.4       | -17.8      | 68.2       | 47.7       | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5968      | 60.08      | -8.12      | 68.2       | 50.26      | 32.6           | 10.48     | 33.26          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 11440     | 49.77      | -24.23     | 74         | 55.59      | 39.7           | 15.88     | 61.4           | 100     | 0         | P         | V     |
|                                       |                                                                                             | 17160     | 50.39      | -17.81     | 68.2       | 47.69      | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |





**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1                                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5449.06   | 50.09      | -23.91     | 74         | 41.62      | 31.7           | 9.88      | 33.11         | 200     | 287       | P         | H     |
|                                                  |                                                                                             | 5460.76   | 48.36      | -19.84     | 68.2       | 39.84      | 31.74          | 9.89      | 33.11         | 200     | 287       | P         | H     |
|                                                  |                                                                                             | 5443.99   | 40.59      | -13.41     | 54         | 32.13      | 31.69          | 9.88      | 33.11         | 200     | 287       | A         | H     |
|                                                  | *                                                                                           | 5720      | 113.23     | -          | -          | 104.18     | 32.04          | 10.19     | 33.18         | 200     | 287       | P         | H     |
|                                                  | *                                                                                           | 5720      | 104.74     | -          | -          | 95.69      | 32.04          | 10.19     | 33.18         | 200     | 287       | A         | H     |
|                                                  |                                                                                             | 5878      | 56.53      | -11.67     | 68.2       | 46.96      | 32.41          | 10.39     | 33.23         | 200     | 287       | P         | H     |
|                                                  |                                                                                             | 5418.25   | 48.92      | -25.08     | 74         | 40.53      | 31.64          | 9.86      | 33.11         | 185     | 119       | P         | V     |
|                                                  |                                                                                             | 5470      | 48.38      | -19.82     | 68.2       | 39.81      | 31.78          | 9.9       | 33.11         | 185     | 119       | P         | V     |
|                                                  |                                                                                             | 5436.97   | 39.78      | -14.22     | 54         | 31.35      | 31.67          | 9.87      | 33.11         | 185     | 119       | A         | V     |
|                                                  | *                                                                                           | 5725      | 113.56     | -          | -          | 104.49     | 32.05          | 10.2      | 33.18         | 185     | 119       | P         | V     |
|                                                  | *                                                                                           | 5725      | 105.25     | -          | -          | 96.18      | 32.05          | 10.2      | 33.18         | 185     | 119       | A         | V     |
|                                                  |                                                                                             | 5877      | 58.37      | -9.83      | 68.2       | 48.81      | 32.41          | 10.38     | 33.23         | 185     | 119       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5968      | 58.72      | -9.48      | 68.2       | 48.9       | 32.6           | 10.48     | 33.26          | 200     | 287       | P         | H     |
|                                                  |                                                                                             | 11440     | 47.36      | -26.64     | 74         | 53.18      | 39.7           | 15.88     | 61.4           | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 17160     | 49.87      | -18.33     | 68.2       | 47.17      | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             | 5968      | 58.27      | -9.93      | 68.2       | 48.45      | 32.6           | 10.48     | 33.26          | 185     | 119       | P         | V     |
|                                                  |                                                                                             | 11440     | 49.49      | -24.51     | 74         | 55.31      | 39.7           | 15.88     | 61.4           | 100     | 0         | P         | V     |
|                                                  |                                                                                             | 17160     | 48.58      | -19.62     | 68.2       | 45.88      | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | V     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5459.98   | 52.59      | -21.41     | 74         | 44.07      | 31.74          | 9.89      | 33.11         | 198     | 288       | P         | H       |
|                                                  |                                                                                             | 5460      | 52.59      | -15.61     | 68.2       | 44.07      | 31.74          | 9.89      | 33.11         | 198     | 288       | P         | H       |
|                                                  |                                                                                             | 5456.86   | 45.39      | -8.61      | 54         | 36.88      | 31.73          | 9.89      | 33.11         | 198     | 288       | A         | H       |
|                                                  | *                                                                                           | 5710      | 111.04     | -          | -          | 102.03     | 32.02          | 10.17     | 33.18         | 198     | 288       | P         | H       |
|                                                  | *                                                                                           | 5710      | 102.42     | -          | -          | 93.41      | 32.02          | 10.17     | 33.18         | 198     | 288       | A         | H       |
|                                                  |                                                                                             | 5858.75   | 58.27      | -9.93      | 68.2       | 48.8       | 32.33          | 10.36     | 33.22         | 198     | 288       | P         | H       |
|                                                  |                                                                                             | 5459.2    | 50.74      | -23.26     | 74         | 42.22      | 31.74          | 9.89      | 33.11         | 207     | 119       | P         | V       |
|                                                  |                                                                                             | 5466.61   | 52.08      | -16.12     | 68.2       | 43.52      | 31.77          | 9.9       | 33.11         | 207     | 119       | P         | V       |
|                                                  |                                                                                             | 5457.25   | 43.85      | -10.15     | 54         | 35.34      | 31.73          | 9.89      | 33.11         | 207     | 119       | A         | V       |
|                                                  | *                                                                                           | 5710      | 111.79     | -          | -          | 102.78     | 32.02          | 10.17     | 33.18         | 207     | 119       | P         | V       |
|                                                  | *                                                                                           | 5710      | 102.92     | -          | -          | 93.91      | 32.02          | 10.17     | 33.18         | 207     | 119       | A         | V       |
|                                                  |                                                                                             | 5865.25   | 57.38      | -10.82     | 68.2       | 47.88      | 32.36          | 10.37     | 33.23         | 207     | 119       | P         | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 142<br>5710MHz |                                                                                             | 11420     | 46.39      | -27.61     | 74         | 52.22      | 39.7           | 15.87     | 61.4           | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17130     | 46.8       | -21.4      | 68.2       | 44.34      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                        |                                                                                             | 11420     | 47.13      | -26.87     | 74         | 52.96      | 39.7           | 15.87     | 61.4           | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17130     | 48.42      | -19.78     | 68.2       | 45.96      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1                                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5451.01   | 57.39      | -16.61     | 74         | 48.91      | 31.7           | 9.89      | 33.11         | 198     | 288       | P         | H     |
|                                                  |                                                                                             | 5460.37   | 60.89      | -7.31      | 68.2       | 52.37      | 31.74          | 9.89      | 33.11         | 198     | 288       | P         | H     |
|                                                  |                                                                                             | 5459.2    | 50.94      | -3.06      | 54         | 42.42      | 31.74          | 9.89      | 33.11         | 198     | 288       | P         | H     |
|                                                  | *                                                                                           | 5690      | 107.82     | -          | -          | 98.9       | 31.94          | 10.15     | 33.17         | 198     | 288       | P         | H     |
|                                                  | *                                                                                           | 5690      | 98.78      | -          | -          | 89.86      | 31.94          | 10.15     | 33.17         | 198     | 288       | A         | H     |
|                                                  |                                                                                             | 5868.1    | 61.24      | -6.96      | 68.2       | 51.73      | 32.37          | 10.37     | 33.23         | 198     | 288       | P         | H     |
|                                                  |                                                                                             | 5459.59   | 58.44      | -15.56     | 74         | 49.92      | 31.74          | 9.89      | 33.11         | 207     | 118       | P         | V     |
|                                                  |                                                                                             | 5468.17   | 59.18      | -9.02      | 68.2       | 50.62      | 31.77          | 9.9       | 33.11         | 207     | 118       | P         | V     |
|                                                  |                                                                                             | 5457.25   | 48.72      | -5.28      | 54         | 40.21      | 31.73          | 9.89      | 33.11         | 207     | 118       | A         | V     |
|                                                  | *                                                                                           | 5690      | 108.42     | -          | -          | 99.5       | 31.94          | 10.15     | 33.17         | 207     | 118       | P         | V     |
|                                                  | *                                                                                           | 5690      | 99.72      | -          | -          | 90.8       | 31.94          | 10.15     | 33.17         | 207     | 118       | A         | V     |
|                                                  |                                                                                             | 5850.7    | 63.27      | -4.93      | 68.2       | 53.83      | 32.3           | 10.36     | 33.22         | 207     | 118       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 138<br>5690MHz |                                                                                             | 11380     | 46.15      | -27.85     | 74         | 52.04      | 39.66          | 15.85     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17070     | 46.97      | -21.23     | 68.2       | 44.9       | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11380     | 45.33      | -28.67     | 74         | 51.22      | 39.66          | 15.85     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 17070     | 47.15      | -21.05     | 68.2       | 45.08      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 2 - 5250~5350MHz**

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

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+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 |      | 5107.1    | 51.44      | -22.56 | 74         | 43.13    | 31.81    | 9.62   | 33.12  | 204    | 288     | P       | H       |
|                             |      | 5106.76   | 44.7       | -9.3   | 54         | 36.39    | 31.81    | 9.62   | 33.12  | 204    | 288     | A       | H       |
|                             | *    | 5260      | 119.46     | -      | -          | 111.41   | 31.38    | 9.78   | 33.11  | 204    | 288     | P       | H       |
|                             | *    | 5260      | 111.53     | -      | -          | 103.48   | 31.38    | 9.78   | 33.11  | 204    | 288     | A       | H       |
|                             |      | 5417.04   | 59.03      | -14.97 | 74         | 50.65    | 31.63    | 9.86   | 33.11  | 204    | 288     | P       | H       |
|                             |      | 5416.08   | 50.72      | -3.28  | 54         | 42.35    | 31.63    | 9.85   | 33.11  | 204    | 288     | A       | H       |
|                             |      | 5139.4    | 51.87      | -22.13 | 74         | 43.44    | 31.88    | 9.67   | 33.12  | 216    | 317     | P       | V       |
|                             |      | 5103.36   | 44.74      | -9.26  | 54         | 36.43    | 31.81    | 9.62   | 33.12  | 216    | 317     | A       | V       |
|                             | *    | 5260      | 117.51     | -      | -          | 109.46   | 31.38    | 9.78   | 33.11  | 216    | 317     | P       | V       |
|                             | *    | 5260      | 109.54     | -      | -          | 101.49   | 31.38    | 9.78   | 33.11  | 216    | 317     | A       | V       |
|                             |      | 5423.76   | 57.51      | -16.49 | 74         | 49.11    | 31.65    | 9.86   | 33.11  | 216    | 317     | P       | V       |
|                             |      | 5423.76   | 48.96      | -5.04  | 54         | 40.56    | 31.65    | 9.86   | 33.11  | 216    | 317     | A       | V       |
| 802.11a<br>CH 60<br>5300MHz |      | 5143.14   | 52.3       | -21.7  | 74         | 43.86    | 31.89    | 9.67   | 33.12  | 215    | 287     | P       | H       |
|                             |      | 5136.68   | 44.85      | -9.15  | 54         | 36.43    | 31.87    | 9.67   | 33.12  | 215    | 287     | A       | H       |
|                             | *    | 5300      | 118.49     | -      | -          | 110.5    | 31.3     | 9.8    | 33.11  | 215    | 287     | P       | H       |
|                             | *    | 5300      | 110.69     | -      | -          | 102.7    | 31.3     | 9.8    | 33.11  | 215    | 287     | A       | H       |
|                             |      | 5351.52   | 63.84      | -10.16 | 74         | 55.82    | 31.31    | 9.82   | 33.11  | 215    | 287     | P       | H       |
|                             |      | 5350.8    | 52.6       | -1.4   | 54         | 44.59    | 31.3     | 9.82   | 33.11  | 215    | 287     | A       | H       |
|                             |      | 5144.84   | 52.36      | -21.64 | 74         | 43.91    | 31.89    | 9.68   | 33.12  | 273    | 314     | P       | V       |
|                             |      | 5143.48   | 43.92      | -10.08 | 54         | 35.47    | 31.89    | 9.68   | 33.12  | 273    | 314     | A       | V       |
|                             | *    | 5300      | 114.95     | -      | -          | 106.96   | 31.3     | 9.8    | 33.11  | 273    | 314     | P       | V       |
|                             | *    | 5300      | 108.53     | -      | -          | 100.54   | 31.3     | 9.8    | 33.11  | 273    | 314     | A       | V       |
|                             |      | 5352.72   | 63.28      | -10.72 | 74         | 55.25    | 31.32    | 9.82   | 33.11  | 273    | 314     | P       | V       |
|                             |      | 5373.6    | 50.75      | -3.25  | 54         | 42.59    | 31.44    | 9.83   | 33.11  | 273    | 314     | A       | V       |



|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 115.55 | -      | -  | 107.55 | 31.3  | 9.81 | 33.11 | 199 | 286 | P | H |
|                                                  | *                                                                                           | 5320    | 107.43 | -      | -  | 99.43  | 31.3  | 9.81 | 33.11 | 199 | 286 | A | H |
|                                                  |                                                                                             | 5351.68 | 61.5   | -12.5  | 74 | 53.48  | 31.31 | 9.82 | 33.11 | 199 | 286 | P | H |
|                                                  |                                                                                             | 5351.36 | 52.98  | -1.02  | 54 | 44.96  | 31.31 | 9.82 | 33.11 | 199 | 286 | P | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  | *                                                                                           | 5320    | 114.29 | -      | -  | 106.29 | 31.3  | 9.81 | 33.11 | 208 | 318 | P | V |
|                                                  | *                                                                                           | 5320    | 105.89 | -      | -  | 97.89  | 31.3  | 9.81 | 33.11 | 208 | 318 | A | V |
|                                                  |                                                                                             | 5353.6  | 58.67  | -15.33 | 74 | 50.64  | 31.32 | 9.82 | 33.11 | 208 | 318 | P | V |
|                                                  |                                                                                             | 5350.08 | 49.63  | -4.37  | 54 | 41.62  | 31.3  | 9.82 | 33.11 | 208 | 318 | A | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |





**Band 2 5250~5350MHz**

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

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 52<br/>5260MHz</b> |                                                                                             | 5560      | 58.69      | -9.51      | 68.2       | 50.04      | 31.8           | 9.98      | 33.13         | 204     | 288       | P         | H     |
|                                      |                                                                                             | 10520     | 53.24      | -14.96     | 68.2       | 59.2       | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H     |
|                                      |                                                                                             | 15780     | 55.06      | -18.94     | 74         | 58.86      | 37.58          | 19        | 60.38         | 100     | 99        | P         | H     |
|                                      |                                                                                             | 15780     | 43.33      | -10.67     | 54         | 47.13      | 37.58          | 19        | 60.38         | 100     | 99        | A         | H     |
|                                      |                                                                                             | 5560      | 58.38      | -9.82      | 68.2       | 49.73      | 31.8           | 9.98      | 33.13         | 216     | 317       | P         | V     |
|                                      |                                                                                             | 10520     | 53.2       | -15        | 68.2       | 59.16      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V     |
|                                      |                                                                                             | 15780     | 57.13      | -16.87     | 74         | 60.93      | 37.58          | 19        | 60.38         | 100     | 48        | P         | V     |
|                                      |                                                                                             | 15780     | 46.18      | -7.82      | 54         | 49.98      | 37.58          | 19        | 60.38         | 100     | 48        | A         | V     |
| <b>802.11a<br/>CH 60<br/>5300MHz</b> |                                                                                             | 5602      | 59.31      | -8.89      | 68.2       | 50.63      | 31.8           | 10.02     | 33.14         | 215     | 287       | P         | H     |
|                                      |                                                                                             | 10600     | 54.33      | -19.67     | 74         | 60.31      | 39.7           | 15.4      | 61.08         | 172     | 332       | P         | H     |
|                                      |                                                                                             | 10600     | 44.92      | -9.08      | 54         | 50.9       | 39.7           | 15.4      | 61.08         | 172     | 332       | A         | H     |
|                                      |                                                                                             | 15900     | 49.7       | -24.3      | 74         | 53.73      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H     |
|                                      |                                                                                             | 5602      | 57.83      | -10.37     | 68.2       | 49.15      | 31.8           | 10.02     | 33.14         | 273     | 314       | P         | V     |
|                                      |                                                                                             | 10600     | 57.79      | -16.21     | 74         | 63.77      | 39.7           | 15.4      | 61.08         | 254     | 321       | P         | V     |
|                                      |                                                                                             | 10600     | 47.95      | -6.05      | 54         | 53.93      | 39.7           | 15.4      | 61.08         | 254     | 321       | A         | V     |
|                                      |                                                                                             | 15900     | 52.54      | -21.46     | 74         | 56.57      | 37.2           | 19.05     | 60.28         | 100     | 47        | P         | V     |
| <b>802.11a<br/>CH 64<br/>5320MHz</b> |                                                                                             | 5488      | 56.59      | -11.61     | 68.2       | 47.93      | 31.85          | 9.92      | 33.11         | 199     | 286       | P         | H     |
|                                      |                                                                                             | 10640     | 47.12      | -26.88     | 74         | 53.15      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H     |
|                                      |                                                                                             | 15960     | 43.87      | -30.13     | 74         | 48         | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H     |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                      |                                                                                             | 5620      | 56.74      | -11.46     | 68.2       | 48.08      | 31.76          | 10.05     | 33.15         | 208     | 318       | P         | V     |
|                                      |                                                                                             | 10640     | 49.36      | -24.64     | 74         | 55.39      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | V     |
|                                      |                                                                                             | 15960     | 43.53      | -30.47     | 74         | 47.66      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V     |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



## Band 2 5250~5350MHz

## WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant.                             | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                   |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |      | 5140.42   | 51.9       | -22.1      | 74         | 43.47      | 31.88          | 9.67      | 33.12         | 204     | 288       | P         | H       |
|                                       |      | 5106.08   | 43.19      | -10.81     | 54         | 34.88      | 31.81          | 9.62      | 33.12         | 204     | 288       | A         | H       |
|                                       | *    | 5260      | 118        | -          | -          | 109.95     | 31.38          | 9.78      | 33.11         | 204     | 288       | P         | H       |
|                                       | *    | 5260      | 110.28     | -          | -          | 102.23     | 31.38          | 9.78      | 33.11         | 204     | 288       | A         | H       |
|                                       |      | 5360.16   | 59.43      | -14.57     | 74         | 51.36      | 31.36          | 9.82      | 33.11         | 204     | 288       | P         | H       |
|                                       |      | 5415.84   | 49.22      | -4.78      | 54         | 40.85      | 31.63          | 9.85      | 33.11         | 204     | 288       | A         | H       |
|                                       |      | 5104.38   | 51.88      | -22.12     | 74         | 43.57      | 31.81          | 9.62      | 33.12         | 216     | 317       | P         | V       |
|                                       |      | 5104.38   | 43.53      | -10.47     | 54         | 35.22      | 31.81          | 9.62      | 33.12         | 216     | 317       | A         | V       |
|                                       | *    | 5260      | 116.65     | -          | -          | 108.6      | 31.38          | 9.78      | 33.11         | 216     | 317       | P         | V       |
|                                       | *    | 5260      | 108.43     | -          | -          | 100.38     | 31.38          | 9.78      | 33.11         | 216     | 317       | A         | V       |
|                                       |      | 5416.56   | 55.79      | -18.21     | 74         | 47.42      | 31.63          | 9.85      | 33.11         | 216     | 317       | P         | V       |
|                                       |      | 5424.24   | 47.93      | -6.07      | 54         | 39.53      | 31.65          | 9.86      | 33.11         | 216     | 317       | A         | V       |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |      | 5138.72   | 52         | -22        | 74         | 43.57      | 31.88          | 9.67      | 33.12         | 215     | 287       | P         | H       |
|                                       |      | 5143.48   | 43.67      | -10.33     | 54         | 35.22      | 31.89          | 9.68      | 33.12         | 215     | 287       | A         | H       |
|                                       | *    | 5300      | 117.44     | -          | -          | 109.45     | 31.3           | 9.8       | 33.11         | 215     | 287       | P         | H       |
|                                       | *    | 5300      | 109.76     | -          | -          | 101.77     | 31.3           | 9.8       | 33.11         | 215     | 287       | A         | H       |
|                                       |      | 5356.08   | 66.22      | -7.78      | 74         | 58.17      | 31.34          | 9.82      | 33.11         | 215     | 287       | P         | H       |
|                                       |      | 5351.04   | 52.3       | -1.7       | 54         | 44.28      | 31.31          | 9.82      | 33.11         | 215     | 287       | A         | H       |
|                                       |      | 5136.34   | 50.9       | -23.1      | 74         | 42.49      | 31.87          | 9.66      | 33.12         | 273     | 314       | P         | V       |
|                                       |      | 5144.5    | 42.96      | -11.04     | 54         | 34.51      | 31.89          | 9.68      | 33.12         | 273     | 314       | A         | V       |
|                                       | *    | 5300      | 116.86     | -          | -          | 108.87     | 31.3           | 9.8       | 33.11         | 273     | 314       | P         | V       |
|                                       | *    | 5300      | 108.79     | -          | -          | 100.8      | 31.3           | 9.8       | 33.11         | 273     | 314       | A         | V       |
|                                       |      | 5352      | 61.41      | -12.59     | 74         | 53.39      | 31.31          | 9.82      | 33.11         | 273     | 314       | P         | V       |
|                                       |      | 5350.08   | 51.35      | -2.65      | 54         | 43.34      | 31.3           | 9.82      | 33.11         | 273     | 314       | A         | V       |



|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   |   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 114.69 | -     | -  | 106.69 | 31.3  | 9.81 | 33.11 | 199 | 286 | P | H |
|                                                                   | *                                                                                           | 5320    | 106.84 | -     | -  | 98.84  | 31.3  | 9.81 | 33.11 | 199 | 286 | A | H |
|                                                                   |                                                                                             | 5350.72 | 65.8   | -8.2  | 74 | 57.79  | 31.3  | 9.82 | 33.11 | 199 | 286 | P | H |
|                                                                   |                                                                                             | 5351.04 | 52.97  | -1.03 | 54 | 44.95  | 31.31 | 9.82 | 33.11 | 199 | 286 | A | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   | *                                                                                           | 5320    | 113.89 | -     | -  | 105.89 | 31.3  | 9.81 | 33.11 | 208 | 318 | P | V |
|                                                                   | *                                                                                           | 5320    | 105.19 | -     | -  | 97.19  | 31.3  | 9.81 | 33.11 | 208 | 318 | A | V |
|                                                                   |                                                                                             | 5352.16 | 65.85  | -8.15 | 74 | 57.83  | 31.31 | 9.82 | 33.11 | 208 | 318 | P | V |
|                                                                   |                                                                                             | 5350.08 | 52.18  | -1.82 | 54 | 44.17  | 31.3  | 9.82 | 33.11 | 208 | 318 | A | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |                                                                                             | 5560      | 57.38      | -10.82     | 68.2       | 48.73      | 31.8           | 9.98      | 33.13         | 204     | 288       | P         | H       |
|                                       |                                                                                             | 10520     | 53.96      | -14.24     | 68.2       | 59.92      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15780     | 53.99      | -20.01     | 74         | 57.79      | 37.58          | 19        | 60.38         | 100     | 98        | P         | H       |
|                                       |                                                                                             | 15780     | 42.9       | -11.1      | 54         | 46.7       | 37.58          | 19        | 60.38         | 100     | 98        | A         | H       |
|                                       |                                                                                             | 5560      | 57.11      | -11.09     | 68.2       | 48.46      | 31.8           | 9.98      | 33.13         | 216     | 317       | P         | V       |
|                                       |                                                                                             | 10520     | 55.5       | -12.7      | 68.2       | 61.46      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V       |
|                                       |                                                                                             | 15780     | 56.26      | -17.74     | 74         | 60.06      | 37.58          | 19        | 60.38         | 100     | 48        | P         | V       |
|                                       |                                                                                             | 15780     | 45.83      | -8.17      | 54         | 49.63      | 37.58          | 19        | 60.38         | 100     | 48        | A         | V       |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |                                                                                             | 5464      | 59.41      | -8.79      | 68.2       | 50.86      | 31.76          | 9.9       | 33.11         | 215     | 287       | P         | H       |
|                                       |                                                                                             | 10600     | 54.24      | -19.76     | 74         | 60.22      | 39.7           | 15.4      | 61.08         | 180     | 311       | P         | H       |
|                                       |                                                                                             | 10600     | 44.33      | -9.67      | 54         | 50.31      | 39.7           | 15.4      | 61.08         | 180     | 311       | A         | H       |
|                                       |                                                                                             | 15900     | 48.38      | -25.62     | 74         | 52.41      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5602      | 57.72      | -10.48     | 68.2       | 49.04      | 31.8           | 10.02     | 33.14         | 273     | 314       | P         | V       |
|                                       |                                                                                             | 10600     | 57.32      | -16.68     | 74         | 63.3       | 39.7           | 15.4      | 61.08         | 248     | 318       | P         | V       |
|                                       |                                                                                             | 10600     | 47.52      | -6.48      | 54         | 53.5       | 39.7           | 15.4      | 61.08         | 248     | 318       | A         | V       |
|                                       |                                                                                             | 15900     | 48.19      | -25.81     | 74         | 52.22      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V       |
| 802.11ac<br>VHT20<br>CH 64<br>5320MHz |                                                                                             | 5488      | 56.77      | -11.43     | 68.2       | 48.11      | 31.85          | 9.92      | 33.11         | 199     | 286       | P         | H       |
|                                       |                                                                                             | 10640     | 47.31      | -26.69     | 74         | 53.34      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15960     | 44.34      | -29.66     | 74         | 48.47      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             | 5620      | 55.51      | -12.69     | 68.2       | 46.85      | 31.76          | 10.05     | 33.15         | 208     | 318       | P         | V       |
|                                       |                                                                                             | 10640     | 49.54      | -24.46     | 74         | 55.57      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | V       |
|                                       |                                                                                             | 15960     | 44.54      | -29.46     | 74         | 48.67      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5126.48   | 53.65      | -20.35     | 74         | 45.27      | 31.85          | 9.65      | 33.12         | 207     | 288       | P         | H     |
|                                       |                                                                                             | 5118.32   | 46.68      | -7.32      | 54         | 38.32      | 31.84          | 9.64      | 33.12         | 207     | 288       | A         | H     |
|                                       | *                                                                                           | 5270      | 113.36     | -          | -          | 105.32     | 31.36          | 9.79      | 33.11         | 207     | 288       | P         | H     |
|                                       | *                                                                                           | 5270      | 104.83     | -          | -          | 96.79      | 31.36          | 9.79      | 33.11         | 207     | 288       | A         | H     |
|                                       |                                                                                             | 5353.44   | 61.86      | -12.14     | 74         | 53.83      | 31.32          | 9.82      | 33.11         | 207     | 288       | P         | H     |
|                                       |                                                                                             | 5423.04   | 52.67      | -1.33      | 54         | 44.27      | 31.65          | 9.86      | 33.11         | 207     | 288       | A         | H     |
|                                       |                                                                                             | 5116.96   | 54.14      | -19.86     | 74         | 45.79      | 31.83          | 9.64      | 33.12         | 241     | 316       | P         | V     |
|                                       |                                                                                             | 5121.72   | 46.29      | -7.71      | 54         | 37.93      | 31.84          | 9.64      | 33.12         | 241     | 316       | A         | V     |
|                                       | *                                                                                           | 5270      | 111.51     | -          | -          | 103.47     | 31.36          | 9.79      | 33.11         | 241     | 316       | P         | V     |
|                                       | *                                                                                           | 5270      | 103.93     | -          | -          | 95.89      | 31.36          | 9.79      | 33.11         | 241     | 316       | A         | V     |
|                                       |                                                                                             | 5418.96   | 58.55      | -15.45     | 74         | 50.16      | 31.64          | 9.86      | 33.11         | 241     | 316       | P         | V     |
|                                       |                                                                                             | 5434.32   | 51.51      | -2.49      | 54         | 43.08      | 31.67          | 9.87      | 33.11         | 241     | 316       | A         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5133.62   | 50.56      | -23.44     | 74         | 42.15      | 31.87          | 9.66      | 33.12         | 203     | 287       | P         | H     |
|                                       |                                                                                             | 5143.14   | 43.24      | -10.76     | 54         | 34.8       | 31.89          | 9.67      | 33.12         | 203     | 287       | A         | H     |
|                                       | *                                                                                           | 5310      | 108.88     | -          | -          | 100.89     | 31.3           | 9.8       | 33.11         | 203     | 287       | P         | H     |
|                                       | *                                                                                           | 5310      | 100.29     | -          | -          | 92.3       | 31.3           | 9.8       | 33.11         | 203     | 287       | A         | H     |
|                                       |                                                                                             | 5362.56   | 59.81      | -14.19     | 74         | 51.71      | 31.38          | 9.83      | 33.11         | 203     | 287       | P         | H     |
|                                       |                                                                                             | 5350.32   | 52.49      | -1.51      | 54         | 44.48      | 31.3           | 9.82      | 33.11         | 203     | 287       | A         | H     |
|                                       |                                                                                             | 5123.76   | 50.64      | -23.36     | 74         | 42.26      | 31.85          | 9.65      | 33.12         | 235     | 314       | P         | V     |
|                                       |                                                                                             | 5144.16   | 43.18      | -10.82     | 54         | 34.73      | 31.89          | 9.68      | 33.12         | 235     | 314       | A         | V     |
|                                       | *                                                                                           | 5310      | 107.74     | -          | -          | 99.75      | 31.3           | 9.8       | 33.11         | 235     | 314       | P         | V     |
|                                       | *                                                                                           | 5310      | 99.49      | -          | -          | 91.5       | 31.3           | 9.8       | 33.11         | 235     | 314       | A         | V     |
|                                       |                                                                                             | 5351.52   | 63.03      | -10.97     | 74         | 55.01      | 31.31          | 9.82      | 33.11         | 235     | 314       | P         | V     |
|                                       |                                                                                             | 5353.92   | 51.8       | -2.2       | 54         | 43.77      | 31.32          | 9.82      | 33.11         | 235     | 314       | 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 VHT40 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5518      | 56.95      | -11.25     | 68.2       | 48.26      | 31.86          | 9.95      | 33.12          | 207     | 288       | P         | H     |
|                                       |                                                                                             | 10540     | 48.26      | -19.94     | 68.2       | 54.22      | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15810     | 44.58      | -29.42     | 74         | 48.36      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5506      | 57.39      | -10.81     | 68.2       | 48.67      | 31.89          | 9.94      | 33.11          | 241     | 316       | P         | V     |
|                                       |                                                                                             | 10540     | 49.68      | -18.52     | 68.2       | 55.64      | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15810     | 45.86      | -28.14     | 74         | 49.64      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5470      | 58.59      | -9.61      | 68.2       | 50.02      | 31.78          | 9.9       | 33.11          | 203     | 287       | P         | H     |
|                                       |                                                                                             | 10620     | 45.24      | -28.76     | 74         | 51.25      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15930     | 44.4       | -29.6      | 74         | 48.49      | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5536      | 55.72      | -12.48     | 68.2       | 47.05      | 31.83          | 9.96      | 33.12          | 235     | 314       | P         | V     |
|                                       |                                                                                             | 10620     | 46.35      | -27.65     | 74         | 52.36      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15930     | 43.83      | -30.17     | 74         | 47.92      | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5118.5    | 51.54      | -22.46     | 74         | 43.18      | 31.84          | 9.64      | 33.12         | 200     | 289       | P         | H     |
|                                       |                                                                                             | 5142.8    | 43.2       | -10.8      | 54         | 34.76      | 31.89          | 9.67      | 33.12         | 200     | 289       | A         | H     |
|                                       | *                                                                                           | 5290      | 104.6      | -          | -          | 96.59      | 31.32          | 9.8       | 33.11         | 200     | 289       | P         | H     |
|                                       | *                                                                                           | 5290      | 96.36      | -          | -          | 88.35      | 31.32          | 9.8       | 33.11         | 200     | 289       | A         | H     |
|                                       |                                                                                             | 5360.88   | 64.43      | -9.57      | 74         | 56.35      | 31.37          | 9.82      | 33.11         | 200     | 289       | P         | H     |
|                                       |                                                                                             | 5353.44   | 52         | -2         | 54         | 43.97      | 31.32          | 9.82      | 33.11         | 200     | 289       | P         | H     |
|                                       |                                                                                             | 5144      | 51.71      | -22.29     | 74         | 43.26      | 31.89          | 9.68      | 33.12         | 226     | 311       | P         | V     |
|                                       |                                                                                             | 5144.3    | 43.54      | -10.46     | 54         | 35.09      | 31.89          | 9.68      | 33.12         | 226     | 311       | A         | V     |
|                                       | *                                                                                           | 5290      | 104.24     | -          | -          | 96.23      | 31.32          | 9.8       | 33.11         | 226     | 311       | P         | V     |
|                                       | *                                                                                           | 5290      | 95.98      | -          | -          | 87.97      | 31.32          | 9.8       | 33.11         | 226     | 311       | A         | V     |
|                                       |                                                                                             | 5369.28   | 59.59      | -14.41     | 74         | 51.45      | 31.42          | 9.83      | 33.11         | 226     | 311       | P         | V     |
|                                       |                                                                                             | 5351.28   | 51.22      | -2.78      | 54         | 43.2       | 31.31          | 9.82      | 33.11         | 226     | 311       | 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 ) | Path Loss ( dB ) | Preampl Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|-----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 58 5290MHz |                                                                                             | 10580             | 45.31            | -22.89            | 68.2                  | 51.29             | 39.7                    | 15.39            | 61.07                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 15870             | 43.44            | -30.56            | 74                    | 47.38             | 37.32                   | 19.04            | 60.3                  | 100            | 0                 | P               | H          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | H          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | H          |
|                              |                                                                                             | 10580             | 45.05            | -23.15            | 68.2                  | 51.03             | 39.7                    | 15.39            | 61.07                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 15870             | 44.05            | -29.95            | 74                    | 47.99             | 37.32                   | 19.04            | 60.3                  | 100            | 0                 | P               | V          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | V          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | V          |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 |            |





**Band 3 - 5470~5725MHz**

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

| WIFI                                  | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2                                   |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |      | 5459.98   | 60.4       | -13.6  | 74         | 51.88  | 31.74    | 9.89   | 33.11  | 204    | 281     | P     | H     |
|                                       |      | 5469.84   | 64.96      | -3.24  | 68.2       | 56.39  | 31.78    | 9.9    | 33.11  | 204    | 281     | P     | H     |
|                                       |      | 5426      | 48.61      | -5.39  | 54         | 40.21  | 31.65    | 9.86   | 33.11  | 204    | 281     | A     | H     |
|                                       | *    | 5500      | 114.56     | -      | -          | 105.84 | 31.9     | 9.93   | 33.11  | 204    | 281     | P     | H     |
|                                       | *    | 5500      | 106.58     | -      | -          | 97.86  | 31.9     | 9.93   | 33.11  | 204    | 281     | A     | H     |
|                                       |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                       |      | 5459.12   | 56.13      | -17.87 | 74         | 47.61  | 31.74    | 9.89   | 33.11  | 224    | 305     | P     | V     |
|                                       |      | 5468.72   | 65.85      | -2.35  | 68.2       | 57.29  | 31.77    | 9.9    | 33.11  | 224    | 305     | P     | V     |
|                                       |      | 5427.6    | 47.55      | -6.45  | 54         | 39.14  | 31.66    | 9.86   | 33.11  | 224    | 305     | A     | V     |
|                                       | *    | 5500      | 114.31     | -      | -          | 105.59 | 31.9     | 9.93   | 33.11  | 224    | 305     | P     | V     |
|                                       | *    | 5500      | 106.63     | -      | -          | 97.91  | 31.9     | 9.93   | 33.11  | 224    | 305     | A     | V     |
|                                       |      |           |            |        |            |        |          |        |        |        |         |       | V     |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |      | 5425.36   | 58.17      | -15.83 | 74         | 49.77  | 31.65    | 9.86   | 33.11  | 204    | 279     | P     | H     |
|                                       |      | 5465.68   | 52.63      | -15.57 | 68.2       | 44.08  | 31.76    | 9.9    | 33.11  | 204    | 279     | P     | H     |
|                                       |      | 5425.84   | 51.17      | -2.83  | 54         | 42.77  | 31.65    | 9.86   | 33.11  | 204    | 279     | A     | H     |
|                                       | *    | 5580      | 116.97     | -      | -          | 108.31 | 31.8     | 10     | 33.14  | 204    | 279     | P     | H     |
|                                       | *    | 5580      | 109.47     | -      | -          | 100.81 | 31.8     | 10     | 33.14  | 204    | 279     | A     | H     |
|                                       |      | 5736.02   | 61.14      | -7.06  | 68.2       | 52.05  | 32.07    | 10.21  | 33.19  | 204    | 279     | P     | H     |
|                                       |      | 5417.92   | 57.43      | -16.57 | 74         | 49.04  | 31.64    | 9.86   | 33.11  | 218    | 302     | P     | V     |
|                                       |      | 5462.32   | 51.81      | -16.39 | 68.2       | 43.27  | 31.75    | 9.9    | 33.11  | 218    | 302     | P     | V     |
|                                       |      | 5422.96   | 50.08      | -3.92  | 54         | 41.68  | 31.65    | 9.86   | 33.11  | 218    | 302     | A     | V     |
|                                       | *    | 5580      | 118.87     | -      | -          | 110.21 | 31.8     | 10     | 33.14  | 218    | 302     | P     | V     |
|                                       | *    | 5580      | 111.07     | -      | -          | 102.41 | 31.8     | 10     | 33.14  | 218    | 302     | A     | V     |
|                                       |      | 5732.555  | 64.2       | -4     | 68.2       | 55.1   | 32.07    | 10.21  | 33.18  | 218    | 302     | P     | V     |



|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   |   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 111.69 | -     | -    | 102.7  | 32    | 10.16 | 33.17 | 214 | 282 | P | H |
|                                                   | *                                                                                           | 5700    | 102.59 | -     | -    | 93.6   | 32    | 10.16 | 33.17 | 214 | 282 | A | H |
|                                                   |                                                                                             | 5726.12 | 63.4   | -4.8  | 68.2 | 54.33  | 32.05 | 10.2  | 33.18 | 214 | 282 | P | H |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                   | *                                                                                           | 5700    | 113.07 | -     | -    | 104.08 | 32    | 10.16 | 33.17 | 221 | 301 | P | V |
|                                                   | *                                                                                           | 5700    | 104.86 | -     | -    | 95.87  | 32    | 10.16 | 33.17 | 221 | 301 | A | V |
|                                                   |                                                                                             | 5727.24 | 66.31  | -1.89 | 68.2 | 57.24  | 32.05 | 10.2  | 33.18 | 221 | 301 | P | V |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |      |        |       |       |       |     |     |   |   |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   |   |



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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |                                                                                             | 5344      | 55.41      | -12.79     | 68.2       | 47.4       | 31.3           | 9.82      | 33.11          | 204     | 281       | P         | H       |
|                                       |                                                                                             | 5734      | 58.28      | -9.92      | 68.2       | 49.18      | 32.07          | 10.21     | 33.18          | 204     | 281       | P         | H       |
|                                       |                                                                                             | 11000     | 46.26      | -27.74     | 74         | 52.04      | 40             | 15.62     | 61.4           | 100     | 0         | P         | H       |
|                                       |                                                                                             | 16500     | 44.78      | -23.42     | 68.2       | 46.03      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5344      | 53.82      | -14.38     | 68.2       | 45.81      | 31.3           | 9.82      | 33.11          | 224     | 305       | P         | V       |
|                                       |                                                                                             | 5740      | 61.98      | -6.22      | 68.2       | 52.87      | 32.08          | 10.22     | 33.19          | 224     | 305       | P         | V       |
|                                       |                                                                                             | 11000     | 48.75      | -25.25     | 74         | 54.53      | 40             | 15.62     | 61.4           | 100     | 0         | P         | V       |
|                                       |                                                                                             | 16500     | 46.23      | -21.97     | 68.2       | 47.48      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V       |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |                                                                                             | 5338      | 57.85      | -10.35     | 68.2       | 49.84      | 31.3           | 9.82      | 33.11          | 204     | 279       | P         | H       |
|                                       |                                                                                             | 5806      | 63.27      | -4.93      | 68.2       | 53.96      | 32.21          | 10.31     | 33.21          | 204     | 279       | P         | H       |
|                                       |                                                                                             | 11160     | 49.92      | -24.08     | 74         | 56.12      | 39.48          | 15.72     | 61.4           | 100     | 0         | P         | H       |
|                                       |                                                                                             | 16740     | 47.48      | -20.72     | 68.2       | 47.07      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5818      | 63.22      | -4.98      | 68.2       | 53.87      | 32.24          | 10.32     | 33.21          | 100     | 0         | P         | V       |
|                                       |                                                                                             | 11160     | 52.56      | -21.44     | 74         | 58.76      | 39.48          | 15.72     | 61.4           | 236     | 5         | P         | V       |
|                                       |                                                                                             | 11160     | 43.42      | -10.58     | 54         | 49.62      | 39.48          | 15.72     | 61.4           | 236     | 5         | A         | V       |
|                                       |                                                                                             | 16740     | 48.12      | -20.08     | 68.2       | 47.71      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V       |
| <b>802.11a<br/>CH 140<br/>5700MHz</b> |                                                                                             | 5854      | 57.07      | -11.13     | 68.2       | 47.61      | 32.32          | 10.36     | 33.22          | 214     | 282       | P         | H       |
|                                       |                                                                                             | 5944      | 56.4       | -11.8      | 68.2       | 46.6       | 32.59          | 10.46     | 33.25          | 214     | 282       | P         | H       |
|                                       |                                                                                             | 11400     | 45.91      | -28.09     | 74         | 51.75      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H       |
|                                       |                                                                                             | 17100     | 45.23      | -22.97     | 68.2       | 42.99      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5866      | 59.04      | -9.16      | 68.2       | 49.54      | 32.36          | 10.37     | 33.23          | 221     | 301       | P         | V       |
|                                       |                                                                                             | 5944      | 59.17      | -9.03      | 68.2       | 49.37      | 32.59          | 10.46     | 33.25          | 221     | 301       | P         | V       |
|                                       |                                                                                             | 11400     | 46.7       | -27.3      | 74         | 52.54      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V       |
|                                       |                                                                                             | 17100     | 47         | -21.2      | 68.2       | 44.76      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | V       |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                              | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                    |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |      | 5458      | 59.39      | -14.61     | 74         | 50.88      | 31.73          | 9.89      | 33.11         | 204     | 281       | P         | H       |
|                                        |      | 5468.08   | 66.35      | -1.85      | 68.2       | 57.79      | 31.77          | 9.9       | 33.11         | 204     | 281       | P         | H       |
|                                        |      | 5425.36   | 47.14      | -6.86      | 54         | 38.74      | 31.65          | 9.86      | 33.11         | 204     | 281       | A         | H       |
|                                        | *    | 5500      | 112.92     | -          | -          | 104.2      | 31.9           | 9.93      | 33.11         | 204     | 281       | P         | H       |
|                                        | *    | 5500      | 105.02     | -          | -          | 96.3       | 31.9           | 9.93      | 33.11         | 204     | 281       | A         | H       |
|                                        |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |      | 5458.32   | 56.23      | -17.77     | 74         | 47.72      | 31.73          | 9.89      | 33.11         | 268     | 310       | P         | V       |
|                                        |      | 5467.28   | 66.16      | -2.04      | 68.2       | 57.6       | 31.77          | 9.9       | 33.11         | 268     | 310       | P         | V       |
|                                        |      | 5426.48   | 45.99      | -8.01      | 54         | 37.59      | 31.65          | 9.86      | 33.11         | 268     | 310       | A         | V       |
|                                        | *    | 5500      | 113.62     | -          | -          | 104.9      | 31.9           | 9.93      | 33.11         | 268     | 310       | P         | V       |
|                                        | *    | 5500      | 105.32     | -          | -          | 96.6       | 31.9           | 9.93      | 33.11         | 268     | 310       | A         | V       |
|                                        |      |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |      | 5417.68   | 57.59      | -16.41     | 74         | 49.2       | 31.64          | 9.86      | 33.11         | 204     | 279       | P         | H       |
|                                        |      | 5469.04   | 52.97      | -15.23     | 68.2       | 44.4       | 31.78          | 9.9       | 33.11         | 204     | 279       | P         | H       |
|                                        |      | 5425.36   | 50.46      | -3.54      | 54         | 42.06      | 31.65          | 9.86      | 33.11         | 204     | 279       | A         | H       |
|                                        | *    | 5580      | 116.47     | -          | -          | 107.81     | 31.8           | 10        | 33.14         | 204     | 279       | P         | H       |
|                                        | *    | 5580      | 106.27     | -          | -          | 97.61      | 31.8           | 10        | 33.14         | 204     | 279       | A         | H       |
|                                        |      | 5737.28   | 60.5       | -7.7       | 68.2       | 51.41      | 32.07          | 10.21     | 33.19         | 204     | 279       | P         | H       |
|                                        |      | 5416.72   | 56.84      | -17.16     | 74         | 48.46      | 31.63          | 9.86      | 33.11         | 218     | 302       | P         | V       |
|                                        |      | 5469.04   | 52.79      | -15.41     | 68.2       | 44.22      | 31.78          | 9.9       | 33.11         | 218     | 302       | P         | V       |
|                                        |      | 5423.92   | 49.55      | -4.45      | 54         | 41.15      | 31.65          | 9.86      | 33.11         | 218     | 302       | A         | V       |
|                                        | *    | 5580      | 118.14     | -          | -          | 109.48     | 31.8           | 10        | 33.14         | 218     | 302       | P         | V       |
|                                        | *    | 5580      | 110.06     | -          | -          | 101.4      | 31.8           | 10        | 33.14         | 218     | 302       | A         | V       |
|                                        |      | 5746.415  | 63.65      | -4.55      | 68.2       | 54.53      | 32.09          | 10.22     | 33.19         | 218     | 302       | P         | V       |



|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   |   |
|--------------------------------------------------------------------------------------------------------------|---|---------|--------|-------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b>                                           | * | 5700    | 110.69 | -     | -    | 101.7 | 32    | 10.16 | 33.17 | 214 | 282 | P | H |
|                                                                                                              | * | 5700    | 101.59 | -     | -    | 92.6  | 32    | 10.16 | 33.17 | 214 | 282 | A | H |
|                                                                                                              |   | 5725    | 64.88  | -3.32 | 68.2 | 55.81 | 32.05 | 10.2  | 33.18 | 214 | 282 | P | H |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                                                              | * | 5700    | 113.09 | -     | -    | 104.1 | 32    | 10.16 | 33.17 | 221 | 301 | P | V |
|                                                                                                              | * | 5700    | 103.96 | -     | -    | 94.97 | 32    | 10.16 | 33.17 | 221 | 301 | A | V |
|                                                                                                              |   | 5728.44 | 66.35  | -1.85 | 68.2 | 57.27 | 32.06 | 10.2  | 33.18 | 221 | 301 | P | V |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | V |
| <b>Remark</b><br>1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |   |         |        |       |      |       |       |       |       |     |     |   |   |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |                                                                                             | 5338      | 54.85      | -13.35     | 68.2       | 46.84      | 31.3           | 9.82      | 33.11          | 204     | 281       | P         | H     |
|                                        |                                                                                             | 5734      | 59.41      | -8.79      | 68.2       | 50.31      | 32.07          | 10.21     | 33.18          | 204     | 281       | P         | H     |
|                                        |                                                                                             | 11000     | 46.66      | -27.34     | 74         | 52.44      | 40             | 15.62     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16500     | 44.4       | -23.8      | 68.2       | 45.65      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5344      | 52.92      | -15.28     | 68.2       | 44.91      | 31.3           | 9.82      | 33.11          | 268     | 310       | P         | V     |
|                                        |                                                                                             | 5740      | 61.1       | -7.1       | 68.2       | 51.99      | 32.08          | 10.22     | 33.19          | 268     | 310       | P         | V     |
|                                        |                                                                                             | 11000     | 47.75      | -26.25     | 74         | 53.53      | 40             | 15.62     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16500     | 46.04      | -22.16     | 68.2       | 47.29      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |                                                                                             | 5818      | 62.32      | -5.88      | 68.2       | 52.97      | 32.24          | 10.32     | 33.21          | 204     | 279       | P         | H     |
|                                        |                                                                                             | 11160     | 52.25      | -21.75     | 74         | 58.45      | 39.48          | 15.72     | 61.4           | 107     | 360       | P         | H     |
|                                        |                                                                                             | 11160     | 42.3       | -11.7      | 54         | 48.5       | 39.48          | 15.72     | 61.4           | 107     | 360       | A         | H     |
|                                        |                                                                                             | 16740     | 47.07      | -21.13     | 68.2       | 46.66      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5344      | 54.87      | -13.33     | 68.2       | 46.86      | 31.3           | 9.82      | 33.11          | 218     | 302       | P         | V     |
|                                        |                                                                                             | 5818      | 64.31      | -3.89      | 68.2       | 54.96      | 32.24          | 10.32     | 33.21          | 218     | 302       | P         | V     |
|                                        |                                                                                             | 11160     | 49.83      | -24.17     | 74         | 56.03      | 39.48          | 15.72     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16740     | 48.84      | -19.36     | 68.2       | 48.43      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |                                                                                             | 5866      | 56.82      | -11.38     | 68.2       | 47.32      | 32.36          | 10.37     | 33.23          | 214     | 282       | P         | H     |
|                                        |                                                                                             | 5944      | 56.19      | -12.01     | 68.2       | 46.39      | 32.59          | 10.46     | 33.25          | 214     | 282       | P         | H     |
|                                        |                                                                                             | 11400     | 46.85      | -27.15     | 74         | 52.69      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17100     | 45.93      | -22.27     | 68.2       | 43.69      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5854      | 57.57      | -10.63     | 68.2       | 48.11      | 32.32          | 10.36     | 33.22          | 221     | 301       | P         | V     |
|                                        |                                                                                             | 5944      | 58.88      | -9.32      | 68.2       | 49.08      | 32.59          | 10.46     | 33.25          | 221     | 301       | P         | V     |
|                                        |                                                                                             | 11400     | 46.53      | -27.47     | 74         | 52.37      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 17100     | 47.02      | -21.18     | 68.2       | 44.78      | 40.1           | 20.1      | 57.96          | 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 VHT40 (Band Edge @ 3m)

| WIFI Ant.                              | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                    |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |      | 5455.36   | 65.69      | -8.31      | 74         | 57.19      | 31.72          | 9.89      | 33.11         | 202     | 280       | P         | H       |
|                                        |      | 5468.8    | 65.18      | -3.02      | 68.2       | 56.61      | 31.78          | 9.9       | 33.11         | 202     | 280       | P         | H       |
|                                        |      | 5459.44   | 52.4       | -1.6       | 54         | 43.88      | 31.74          | 9.89      | 33.11         | 202     | 280       | A         | H       |
|                                        | *    | 5510      | 108.57     | -          | -          | 99.86      | 31.88          | 9.94      | 33.11         | 202     | 280       | P         | H       |
|                                        | *    | 5510      | 100.61     | -          | -          | 91.9       | 31.88          | 9.94      | 33.11         | 202     | 280       | A         | H       |
|                                        |      | 5755.865  | 54.79      | -13.41     | 68.2       | 45.63      | 32.11          | 10.24     | 33.19         | 202     | 280       | P         | H       |
|                                        |      | 5458.24   | 63.41      | -10.59     | 74         | 54.9       | 31.73          | 9.89      | 33.11         | 239     | 303       | P         | V       |
|                                        |      | 5468.08   | 66.15      | -2.05      | 68.2       | 57.59      | 31.77          | 9.9       | 33.11         | 239     | 303       | P         | V       |
|                                        |      | 5458.96   | 51.84      | -2.16      | 54         | 43.32      | 31.74          | 9.89      | 33.11         | 239     | 303       | A         | V       |
|                                        | *    | 5510      | 110.45     | -          | -          | 101.74     | 31.88          | 9.94      | 33.11         | 239     | 303       | P         | V       |
|                                        | *    | 5510      | 101.44     | -          | -          | 92.73      | 31.88          | 9.94      | 33.11         | 239     | 303       | A         | V       |
|                                        |      | 5736.65   | 55.38      | -12.82     | 68.2       | 46.29      | 32.07          | 10.21     | 33.19         | 239     | 303       | P         | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |      | 5457.52   | 61.52      | -12.48     | 74         | 53.01      | 31.73          | 9.89      | 33.11         | 210     | 279       | P         | H       |
|                                        |      | 5468.08   | 66.83      | -1.37      | 68.2       | 58.27      | 31.77          | 9.9       | 33.11         | 210     | 279       | P         | H       |
|                                        |      | 5459.92   | 50.36      | -3.64      | 54         | 41.84      | 31.74          | 9.89      | 33.11         | 210     | 279       | A         | H       |
|                                        | *    | 5550      | 112.55     | -          | -          | 103.9      | 31.8           | 9.98      | 33.13         | 210     | 279       | P         | H       |
|                                        | *    | 5550      | 104.84     | -          | -          | 96.19      | 31.8           | 9.98      | 33.13         | 210     | 279       | A         | H       |
|                                        |      | 5725.31   | 56.76      | -11.44     | 68.2       | 47.69      | 32.05          | 10.2      | 33.18         | 210     | 279       | P         | H       |
|                                        |      | 5457.04   | 63.46      | -10.54     | 74         | 54.95      | 31.73          | 9.89      | 33.11         | 236     | 306       | P         | V       |
|                                        |      | 5469.04   | 62.49      | -5.71      | 68.2       | 53.92      | 31.78          | 9.9       | 33.11         | 236     | 306       | P         | V       |
|                                        |      | 5456.8    | 50.84      | -3.16      | 54         | 42.33      | 31.73          | 9.89      | 33.11         | 236     | 306       | A         | V       |
|                                        | *    | 5550      | 112.85     | -          | -          | 104.2      | 31.8           | 9.98      | 33.13         | 236     | 306       | P         | V       |
|                                        | *    | 5550      | 105.33     | -          | -          | 96.68      | 31.8           | 9.98      | 33.13         | 236     | 306       | A         | V       |
|                                        |      | 5726.885  | 59.11      | -9.09      | 68.2       | 50.04      | 32.05          | 10.2      | 33.18         | 236     | 306       | P         | V       |



|                                                                    |                                                                                             |         |        |        |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5435.4  | 51.62  | -22.38 | 74   | 43.19  | 31.67 | 9.87  | 33.11 | 200 | 279 | P | H |
|                                                                    |                                                                                             | 5463.75 | 48.99  | -19.21 | 68.2 | 40.44  | 31.76 | 9.9   | 33.11 | 200 | 279 | P | H |
|                                                                    |                                                                                             | 5443.1  | 42.89  | -11.11 | 54   | 34.43  | 31.69 | 9.88  | 33.11 | 200 | 279 | A | H |
|                                                                    | *                                                                                           | 5670    | 109.09 | -      | -    | 100.31 | 31.82 | 10.12 | 33.16 | 200 | 279 | P | H |
|                                                                    | *                                                                                           | 5670    | 100.97 | -      | -    | 92.19  | 31.82 | 10.12 | 33.16 | 200 | 279 | A | H |
|                                                                    |                                                                                             | 5728.25 | 65.15  | -3.05  | 68.2 | 56.07  | 32.06 | 10.2  | 33.18 | 200 | 279 | P | H |
|                                                                    |                                                                                             | 5441.7  | 51.11  | -22.89 | 74   | 42.66  | 31.68 | 9.88  | 33.11 | 214 | 304 | P | V |
|                                                                    |                                                                                             | 5463.05 | 49.28  | -18.92 | 68.2 | 40.74  | 31.75 | 9.9   | 33.11 | 214 | 304 | P | V |
|                                                                    |                                                                                             | 5439.25 | 42.88  | -11.12 | 54   | 34.43  | 31.68 | 9.88  | 33.11 | 214 | 304 | A | V |
|                                                                    | *                                                                                           | 5670    | 111.33 | -      | -    | 102.55 | 31.82 | 10.12 | 33.16 | 214 | 304 | P | V |
|                                                                    | *                                                                                           | 5670    | 103.43 | -      | -    | 94.65  | 31.82 | 10.12 | 33.16 | 214 | 304 | A | V |
|                                                                    |                                                                                             | 5728.95 | 67.01  | -1.19  | 68.2 | 57.93  | 32.06 | 10.2  | 33.18 | 214 | 304 | 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 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |                                                                                             | 5764      | 56.73      | -11.47     | 68.2       | 47.54      | 32.13          | 10.25     | 33.19         | 202     | 280       | P         | H       |
|                                        |                                                                                             | 11020     | 45.81      | -28.19     | 74         | 51.65      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16530     | 45.23      | -22.97     | 68.2       | 46.31      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5734      | 55.83      | -12.37     | 68.2       | 46.73      | 32.07          | 10.21     | 33.18         | 239     | 303       | P         | V       |
|                                        |                                                                                             | 11020     | 45.87      | -28.13     | 74         | 51.71      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16530     | 44.6       | -23.6      | 68.2       | 45.68      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |                                                                                             | 5782      | 56.58      | -11.62     | 68.2       | 47.35      | 32.16          | 10.27     | 33.2          | 210     | 279       | P         | H       |
|                                        |                                                                                             | 11100     | 45.68      | -28.32     | 74         | 51.8       | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16650     | 44.09      | -24.11     | 68.2       | 44.48      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5800      | 57.72      | -10.48     | 68.2       | 48.43      | 32.2           | 10.3      | 33.21         | 236     | 306       | P         | V       |
|                                        |                                                                                             | 11100     | 46.63      | -27.37     | 74         | 52.75      | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16650     | 44.9       | -23.3      | 68.2       | 45.29      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 134<br>5670MHz |                                                                                             | 5848      | 56.92      | -11.28     | 68.2       | 47.49      | 32.3           | 10.35     | 33.22         | 200     | 279       | P         | H       |
|                                        |                                                                                             | 5902      | 56.3       | -11.9      | 68.2       | 46.63      | 32.5           | 10.41     | 33.24         | 200     | 279       | P         | H       |
|                                        |                                                                                             | 11340     | 45.13      | -28.87     | 74         | 51.13      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17010     | 45.96      | -22.24     | 68.2       | 44.18      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | H       |
|                                        |                                                                                             | 5836      | 59.6       | -8.6       | 68.2       | 50.21      | 32.27          | 10.34     | 33.22         | 214     | 304       | P         | V       |
|                                        |                                                                                             | 5896      | 55.3       | -12.9      | 68.2       | 45.65      | 32.48          | 10.41     | 33.24         | 214     | 304       | P         | V       |
|                                        |                                                                                             | 11340     | 47.76      | -26.24     | 74         | 53.76      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17010     | 46.04      | -22.16     | 68.2       | 44.26      | 40.01          | 20.01     | 58.24         | 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.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5454.88   | 65.22      | -8.78      | 74         | 56.72      | 31.72          | 9.89      | 33.11         | 208     | 281       | P         | H     |
|                                        |                                                                                             | 5460      | 66.7       | -1.5       | 68.2       | 58.18      | 31.74          | 9.89      | 33.11         | 208     | 281       | P         | H     |
|                                        |                                                                                             | 5450.8    | 51.2       | -2.8       | 54         | 42.72      | 31.7           | 9.89      | 33.11         | 208     | 281       | A         | H     |
|                                        | *                                                                                           | 5530      | 105.08     | -          | -          | 96.4       | 31.84          | 9.96      | 33.12         | 208     | 281       | P         | H     |
|                                        | *                                                                                           | 5530      | 96.85      | -          | -          | 88.17      | 31.84          | 9.96      | 33.12         | 208     | 281       | A         | H     |
|                                        |                                                                                             | 5725.31   | 52.89      | -15.31     | 68.2       | 43.82      | 32.05          | 10.2      | 33.18         | 208     | 281       | P         | H     |
|                                        |                                                                                             | 5453.92   | 63.04      | -10.96     | 74         | 54.54      | 31.72          | 9.89      | 33.11         | 209     | 304       | P         | V     |
|                                        |                                                                                             | 5463.52   | 64.93      | -3.27      | 68.2       | 56.39      | 31.75          | 9.9       | 33.11         | 209     | 304       | P         | V     |
|                                        |                                                                                             | 5456.32   | 52.23      | -1.77      | 54         | 43.72      | 31.73          | 9.89      | 33.11         | 209     | 304       | A         | V     |
|                                        | *                                                                                           | 5530      | 105.73     | -          | -          | 97.05      | 31.84          | 9.96      | 33.12         | 209     | 304       | P         | V     |
|                                        | *                                                                                           | 5530      | 97.57      | -          | -          | 88.89      | 31.84          | 9.96      | 33.12         | 209     | 304       | A         | V     |
|                                        |                                                                                             | 5727.515  | 55.8       | -12.4      | 68.2       | 46.72      | 32.06          | 10.2      | 33.18         | 209     | 304       | P         | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5450.8    | 61.97      | -12.03     | 74         | 53.49      | 31.7           | 9.89      | 33.11         | 206     | 279       | P         | H     |
|                                        |                                                                                             | 5466.2    | 64.07      | -4.13      | 68.2       | 55.52      | 31.76          | 9.9       | 33.11         | 206     | 279       | P         | H     |
|                                        |                                                                                             | 5458.5    | 50.95      | -3.05      | 54         | 42.44      | 31.73          | 9.89      | 33.11         | 206     | 279       | A         | H     |
|                                        | *                                                                                           | 5610      | 107.77     | -          | -          | 99.11      | 31.78          | 10.03     | 33.15         | 206     | 279       | P         | H     |
|                                        | *                                                                                           | 5610      | 99.27      | -          | -          | 90.61      | 31.78          | 10.03     | 33.15         | 206     | 279       | A         | H     |
|                                        |                                                                                             | 5725      | 65.65      | -2.55      | 68.2       | 56.58      | 32.05          | 10.2      | 33.18         | 206     | 279       | P         | H     |
|                                        |                                                                                             | 5455.7    | 58         | -16        | 74         | 49.5       | 31.72          | 9.89      | 33.11         | 243     | 300       | P         | V     |
|                                        |                                                                                             | 5466.9    | 62.1       | -6.1       | 68.2       | 53.54      | 31.77          | 9.9       | 33.11         | 243     | 300       | P         | V     |
|                                        |                                                                                             | 5455      | 49.78      | -4.22      | 54         | 41.28      | 31.72          | 9.89      | 33.11         | 243     | 300       | A         | V     |
|                                        | *                                                                                           | 5610      | 109.24     | -          | -          | 100.58     | 31.78          | 10.03     | 33.15         | 243     | 300       | P         | V     |
|                                        | *                                                                                           | 5610      | 100.9      | -          | -          | 92.24      | 31.78          | 10.03     | 33.15         | 243     | 300       | A         | V     |
|                                        |                                                                                             | 5725.625  | 66.77      | -1.43      | 68.2       | 57.7       | 32.05          | 10.2      | 33.18         | 243     | 300       | P         | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 44.93      | -29.07     | 74         | 50.91      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16590     | 44.26      | -23.94     | 68.2       | 45.03      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11060     | 45.08      | -28.92     | 74         | 51.06      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16590     | 45.56      | -22.64     | 68.2       | 46.33      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 45.76      | -28.24     | 74         | 51.99      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16830     | 45.91      | -22.29     | 68.2       | 44.73      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11220     | 46.31      | -27.69     | 74         | 52.54      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16830     | 46.81      | -21.39     | 68.2       | 45.63      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**

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

| WIFI                                  | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5401.48   | 50.12      | -23.88 | 74         | 41.79  | 31.6     | 9.84   | 33.11  | 199    | 288     | P     | H     |
|                                       |                                                                                             | 5467.78   | 50.43      | -17.77 | 68.2       | 41.87  | 31.77    | 9.9    | 33.11  | 199    | 288     | P     | H     |
|                                       |                                                                                             | 5405.38   | 41.94      | -12.06 | 54         | 33.6   | 31.61    | 9.84   | 33.11  | 199    | 288     | A     | H     |
|                                       | *                                                                                           | 5720      | 117.42     | -      | -          | 108.37 | 32.04    | 10.19  | 33.18  | 199    | 288     | P     | H     |
|                                       | *                                                                                           | 5720      | 109.22     | -      | -          | 100.17 | 32.04    | 10.19  | 33.18  | 199    | 288     | A     | H     |
|                                       |                                                                                             | 5886.25   | 61.49      | -6.71  | 68.2       | 51.89  | 32.44    | 10.39  | 33.23  | 199    | 288     | P     | H     |
|                                       |                                                                                             | 5446.72   | 50.75      | -23.25 | 74         | 42.29  | 31.69    | 9.88   | 33.11  | 208    | 307     | P     | V     |
|                                       |                                                                                             | 5461.15   | 49.42      | -18.78 | 68.2       | 40.89  | 31.74    | 9.9    | 33.11  | 208    | 307     | P     | V     |
|                                       |                                                                                             | 5403.04   | 41.49      | -12.51 | 54         | 33.15  | 31.61    | 9.84   | 33.11  | 208    | 307     | A     | V     |
|                                       | *                                                                                           | 5720      | 118.43     | -      | -          | 109.38 | 32.04    | 10.19  | 33.18  | 208    | 307     | P     | V     |
|                                       | *                                                                                           | 5720      | 110.4      | -      | -          | 101.35 | 32.04    | 10.19  | 33.18  | 208    | 307     | A     | V     |
|                                       |                                                                                             | 5872.75   | 62.87      | -5.33  | 68.2       | 53.33  | 32.39    | 10.38  | 33.23  | 208    | 307     | P     | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5959      | 63.68      | -4.52      | 68.2       | 53.87      | 32.6           | 10.47     | 33.26         | 400     | 70        | P         | H     |
|                                       |                                                                                             | 11440     | 55.32      | -18.68     | 74         | 61.14      | 39.7           | 15.88     | 61.4          | 205     | 312       | P         | H     |
|                                       |                                                                                             | 11440     | 46.4       | -7.6       | 54         | 52.22      | 39.7           | 15.88     | 61.4          | 205     | 312       | A         | H     |
|                                       |                                                                                             | 17160     | 52.5       | -15.7      | 68.2       | 49.8       | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5959      | 66.41      | -1.79      | 68.2       | 56.6       | 32.6           | 10.47     | 33.26         | 200     | 310       | P         | V     |
|                                       |                                                                                             | 11440     | 58.98      | -15.02     | 74         | 64.8       | 39.7           | 15.88     | 61.4          | 100     | 9         | P         | V     |
|                                       |                                                                                             | 11440     | 48.96      | -5.04      | 54         | 54.78      | 39.7           | 15.88     | 61.4          | 100     | 9         | A         | V     |
|                                       |                                                                                             | 17160     | 56.04      | -12.16     | 68.2       | 53.34      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5451.4    | 49.67      | -24.33     | 74         | 41.18      | 31.71          | 9.89      | 33.11         | 200     | 289       | P         | H     |
|                                                  |                                                                                             | 5468.95   | 50.12      | -18.08     | 68.2       | 41.55      | 31.78          | 9.9       | 33.11         | 200     | 289       | P         | H     |
|                                                  |                                                                                             | 5405.38   | 41.23      | -12.77     | 54         | 32.89      | 31.61          | 9.84      | 33.11         | 200     | 289       | A         | H     |
|                                                  | *                                                                                           | 5720      | 116.97     | -          | -          | 107.92     | 32.04          | 10.19     | 33.18         | 200     | 289       | P         | H     |
|                                                  | *                                                                                           | 5720      | 108.88     | -          | -          | 99.83      | 32.04          | 10.19     | 33.18         | 200     | 289       | A         | H     |
|                                                  |                                                                                             | 5875.25   | 59.77      | -8.43      | 68.2       | 50.22      | 32.4           | 10.38     | 33.23         | 200     | 289       | P         | H     |
|                                                  |                                                                                             | 5441.26   | 49.67      | -24.33     | 74         | 41.22      | 31.68          | 9.88      | 33.11         | 216     | 303       | P         | V     |
|                                                  |                                                                                             | 5464.27   | 50.67      | -17.53     | 68.2       | 42.12      | 31.76          | 9.9       | 33.11         | 216     | 303       | P         | V     |
|                                                  |                                                                                             | 5403.82   | 41.38      | -12.62     | 54         | 33.04      | 31.61          | 9.84      | 33.11         | 216     | 303       | A         | V     |
|                                                  | *                                                                                           | 5720      | 118.65     | -          | -          | 109.6      | 32.04          | 10.19     | 33.18         | 216     | 303       | P         | V     |
|                                                  | *                                                                                           | 5720      | 110.82     | -          | -          | 101.77     | 32.04          | 10.19     | 33.18         | 216     | 303       | A         | V     |
|                                                  |                                                                                             | 5883.75   | 62.38      | -5.82      | 68.2       | 52.78      | 32.44          | 10.39     | 33.23         | 216     | 303       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5959      | 62.59      | -5.61      | 68.2       | 52.78      | 32.6           | 10.47     | 33.26         | 200     | 289       | P         | H     |
|                                                  |                                                                                             | 11440     | 56.02      | -17.98     | 74         | 61.84      | 39.7           | 15.88     | 61.4          | 201     | 151       | P         | H     |
|                                                  |                                                                                             | 11440     | 45.6       | -8.4       | 54         | 51.42      | 39.7           | 15.88     | 61.4          | 201     | 151       | A         | H     |
|                                                  |                                                                                             | 17160     | 52.29      | -15.91     | 68.2       | 49.59      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 5959      | 64.29      | -3.91      | 68.2       | 54.48      | 32.6           | 10.47     | 33.26         | 216     | 303       | P         | V     |
|                                                  |                                                                                             | 11440     | 57.53      | -16.47     | 74         | 63.35      | 39.7           | 15.88     | 61.4          | 100     | 351       | P         | V     |
|                                                  |                                                                                             | 11440     | 48.86      | -5.14      | 54         | 54.68      | 39.7           | 15.88     | 61.4          | 100     | 351       | A         | V     |
|                                                  |                                                                                             | 17160     | 53.8       | -14.4      | 68.2       | 51.1       | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5455.3    | 54.64      | -19.36     | 74         | 46.14      | 31.72          | 9.89      | 33.11         | 198     | 275       | P         | H       |
|                                                  |                                                                                             | 5468.17   | 55.05      | -13.15     | 68.2       | 46.49      | 31.77          | 9.9       | 33.11         | 198     | 275       | P         | H       |
|                                                  |                                                                                             | 5457.64   | 48.07      | -5.93      | 54         | 39.56      | 31.73          | 9.89      | 33.11         | 198     | 275       | A         | H       |
|                                                  | *                                                                                           | 5710      | 116.68     | -          | -          | 107.67     | 32.02          | 10.17     | 33.18         | 198     | 275       | P         | H       |
|                                                  | *                                                                                           | 5710      | 108.64     | -          | -          | 99.63      | 32.02          | 10.17     | 33.18         | 198     | 275       | A         | H       |
|                                                  |                                                                                             | 5860.5    | 64.37      | -3.83      | 68.2       | 54.89      | 32.34          | 10.37     | 33.23         | 198     | 275       | P         | H       |
|                                                  |                                                                                             | 5458.81   | 54.77      | -19.23     | 74         | 46.25      | 31.74          | 9.89      | 33.11         | 222     | 303       | P         | V       |
|                                                  |                                                                                             | 5461.54   | 54.83      | -13.37     | 68.2       | 46.29      | 31.75          | 9.9       | 33.11         | 222     | 303       | P         | V       |
|                                                  |                                                                                             | 5458.81   | 47.23      | -6.77      | 54         | 38.71      | 31.74          | 9.89      | 33.11         | 222     | 303       | A         | V       |
|                                                  | *                                                                                           | 5710      | 116.4      | -          | -          | 107.39     | 32.02          | 10.17     | 33.18         | 222     | 303       | P         | V       |
|                                                  | *                                                                                           | 5710      | 108.57     | -          | -          | 99.56      | 32.02          | 10.17     | 33.18         | 222     | 303       | A         | V       |
|                                                  |                                                                                             | 5854.75   | 63.54      | -4.66      | 68.2       | 54.08      | 32.32          | 10.36     | 33.22         | 222     | 303       | P         | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |





**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5950      | 59.08      | -9.12      | 68.2       | 49.26      | 32.6           | 10.47     | 33.25          | 198     | 275       | P         | H       |
|                                                  |                                                                                             | 11420     | 53.94      | -20.06     | 74         | 59.77      | 39.7           | 15.87     | 61.4           | 226     | 15        | P         | H       |
|                                                  |                                                                                             | 11420     | 44.88      | -9.12      | 54         | 50.71      | 39.7           | 15.87     | 61.4           | 226     | 15        | A         | H       |
|                                                  |                                                                                             | 17130     | 50.98      | -17.22     | 68.2       | 48.52      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | H       |
|                                                  |                                                                                             | 5950      | 58.21      | -9.99      | 68.2       | 48.39      | 32.6           | 10.47     | 33.25          | 222     | 303       | P         | V       |
|                                                  |                                                                                             | 11420     | 56.36      | -17.64     | 74         | 62.19      | 39.7           | 15.87     | 61.4           | 100     | 347       | P         | V       |
|                                                  |                                                                                             | 11420     | 47.8       | -6.2       | 54         | 53.63      | 39.7           | 15.87     | 61.4           | 100     | 347       | A         | V       |
|                                                  |                                                                                             | 17130     | 54.13      | -14.07     | 68.2       | 51.67      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5457.25   | 59.8       | -14.2      | 74         | 51.29      | 31.73          | 9.89      | 33.11         | 195     | 273       | P         | H     |
|                                                  |                                                                                             | 5469.34   | 63.5       | -4.7       | 68.2       | 54.93      | 31.78          | 9.9       | 33.11         | 195     | 273       | P         | H     |
|                                                  |                                                                                             | 5459.98   | 51.31      | -2.69      | 54         | 42.79      | 31.74          | 9.89      | 33.11         | 195     | 273       | A         | H     |
|                                                  | *                                                                                           | 5690      | 112.4      | -          | -          | 103.48     | 31.94          | 10.15     | 33.17         | 195     | 273       | P         | H     |
|                                                  | *                                                                                           | 5690      | 103.97     | -          | -          | 95.05      | 31.94          | 10.15     | 33.17         | 195     | 273       | A         | H     |
|                                                  |                                                                                             | 5866.9    | 64.57      | -3.63      | 68.2       | 55.06      | 32.37          | 10.37     | 33.23         | 195     | 273       | P         | H     |
|                                                  |                                                                                             | 5454.52   | 57.18      | -16.82     | 74         | 48.68      | 31.72          | 9.89      | 33.11         | 202     | 304       | P         | V     |
|                                                  |                                                                                             | 5463.1    | 60.43      | -7.77      | 68.2       | 51.89      | 31.75          | 9.9       | 33.11         | 202     | 304       | P         | V     |
|                                                  |                                                                                             | 5456.08   | 50.74      | -3.26      | 54         | 42.24      | 31.72          | 9.89      | 33.11         | 202     | 304       | A         | V     |
|                                                  | *                                                                                           | 5690      | 111.47     | -          | -          | 102.55     | 31.94          | 10.15     | 33.17         | 202     | 304       | P         | V     |
|                                                  | *                                                                                           | 5690      | 103.67     | -          | -          | 94.75      | 31.94          | 10.15     | 33.17         | 202     | 304       | A         | V     |
|                                                  |                                                                                             | 5851.6    | 66.34      | -1.86      | 68.2       | 56.89      | 32.31          | 10.36     | 33.22         | 202     | 304       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 11380     | 49.06      | -24.94     | 74         | 54.95      | 39.66          | 15.85     | 61.4           | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 17070     | 48.38      | -19.82     | 68.2       | 46.31      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             | 11380     | 53.42      | -20.58     | 74         | 59.31      | 39.66          | 15.85     | 61.4           | 100     | 354       | P         | V     |
|                                                  |                                                                                             | 11380     | 44.35      | -9.65      | 54         | 50.24      | 39.66          | 15.85     | 61.4           | 100     | 354       | A         | V     |
|                                                  |                                                                                             | 17070     | 49.38      | -18.82     | 68.2       | 47.31      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | V     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Emission below 1GHz**

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

| WIFI          | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.          |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2           |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>LF |                                                                            | 45.52     | 23.32      | -16.68 | 40         | 38.43    | 16.32    | 0.94   | 32.37  | -      | -       | P       | H       |
|               |                                                                            | 91.11     | 30.41      | -13.09 | 43.5       | 46.65    | 14.76    | 1.33   | 32.33  | -      | -       | P       | H       |
|               |                                                                            | 266.68    | 33         | -13    | 46         | 43.94    | 19.09    | 2.17   | 32.2   | 100    | 0       | P       | H       |
|               |                                                                            | 556.71    | 27.86      | -18.14 | 46         | 31.13    | 25.8     | 3.12   | 32.19  | -      | -       | P       | H       |
|               |                                                                            | 624.61    | 29.05      | -16.95 | 46         | 32.04    | 25.91    | 3.29   | 32.19  | -      | -       | P       | H       |
|               |                                                                            | 863.23    | 32.56      | -13.44 | 46         | 30.85    | 29.29    | 3.96   | 31.54  | -      | -       | P       | H       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|               |                                                                            | 44.55     | 26.8       | -13.2  | 40         | 41.44    | 16.8     | 0.93   | 32.37  | -      | -       | P       | V       |
|               |                                                                            | 91.11     | 25.8       | -17.7  | 43.5       | 42.04    | 14.76    | 1.33   | 32.33  | -      | -       | P       | V       |
|               |                                                                            | 264.74    | 27.15      | -18.85 | 46         | 37.96    | 19.23    | 2.16   | 32.2   | -      | -       | P       | V       |
|               |                                                                            | 556.71    | 28.99      | -17.01 | 46         | 32.26    | 25.8     | 3.12   | 32.19  | -      | -       | P       | V       |
|               |                                                                            | 853.53    | 32.22      | -13.78 | 46         | 30.69    | 29.19    | 3.94   | 31.6   | -      | -       | P       | V       |
|               |                                                                            | 948.59    | 33.35      | -12.65 | 46         | 29.61    | 30.49    | 4.15   | 30.9   | 100    | 0       | P       | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|               |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark        | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 2 - 5250~5350MHz

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

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2+3                       |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5102.34   | 54.76      | -19.24 | 74         | 46.47    | 31.8     | 9.61   | 33.12  | 212    | 289     | P       | H       |
|                             |      | 5101.66   | 47.75      | -6.25  | 54         | 39.46    | 31.8     | 9.61   | 33.12  | 212    | 289     | A       | H       |
|                             | *    | 5260      | 122.75     | -      | -          | 114.7    | 31.38    | 9.78   | 33.11  | 212    | 289     | P       | H       |
|                             | *    | 5260      | 114.52     | -      | -          | 106.47   | 31.38    | 9.78   | 33.11  | 212    | 289     | A       | H       |
|                             |      | 5359.44   | 59.77      | -14.23 | 74         | 51.7     | 31.36    | 9.82   | 33.11  | 212    | 289     | P       | H       |
|                             |      | 5413.2    | 51.65      | -2.35  | 54         | 43.28    | 31.63    | 9.85   | 33.11  | 212    | 289     | A       | H       |
|                             |      | 5149.6    | 52.38      | -21.62 | 74         | 43.92    | 31.9     | 9.68   | 33.12  | 300    | 310     | P       | V       |
|                             |      | 5106.42   | 45.6       | -8.4   | 54         | 37.29    | 31.81    | 9.62   | 33.12  | 300    | 310     | A       | V       |
|                             | *    | 5260      | 119.73     | -      | -          | 111.68   | 31.38    | 9.78   | 33.11  | 300    | 310     | P       | V       |
|                             | *    | 5260      | 111.49     | -      | -          | 103.44   | 31.38    | 9.78   | 33.11  | 300    | 310     | A       | V       |
|                             |      | 5417.52   | 58.96      | -15.04 | 74         | 50.57    | 31.64    | 9.86   | 33.11  | 300    | 310     | P       | V       |
|                             |      | 5417.04   | 50.55      | -3.45  | 54         | 42.17    | 31.63    | 9.86   | 33.11  | 300    | 310     | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 802.11a<br>CH 60<br>5300MHz |      | 5142.8    | 52.2       | -21.8  | 74         | 43.76    | 31.89    | 9.67   | 33.12  | 217    | 286     | P       | H       |
|                             |      | 5142.12   | 46.49      | -7.51  | 54         | 38.06    | 31.88    | 9.67   | 33.12  | 217    | 286     | A       | H       |
|                             | *    | 5300      | 120.09     | -      | -          | 112.1    | 31.3     | 9.8    | 33.11  | 217    | 286     | P       | H       |
|                             | *    | 5300      | 112.49     | -      | -          | 104.5    | 31.3     | 9.8    | 33.11  | 217    | 286     | A       | H       |
|                             |      | 5350.8    | 61.79      | -12.21 | 74         | 53.78    | 31.3     | 9.82   | 33.11  | 217    | 286     | P       | H       |
|                             |      | 5351.76   | 52.64      | -1.36  | 54         | 44.62    | 31.31    | 9.82   | 33.11  | 217    | 286     | A       | H       |
|                             |      | 5135.66   | 52.5       | -21.5  | 74         | 44.09    | 31.87    | 9.66   | 33.12  | 306    | 310     | P       | V       |
|                             |      | 5136.34   | 45.02      | -8.98  | 54         | 36.61    | 31.87    | 9.66   | 33.12  | 306    | 310     | A       | V       |
|                             | *    | 5300      | 117.89     | -      | -          | 109.9    | 31.3     | 9.8    | 33.11  | 306    | 310     | P       | V       |
|                             | *    | 5300      | 110.29     | -      | -          | 102.3    | 31.3     | 9.8    | 33.11  | 306    | 310     | A       | V       |
|                             |      | 5354.88   | 58.14      | -15.86 | 74         | 50.1     | 31.33    | 9.82   | 33.11  | 306    | 310     | P       | V       |
|                             |      | 5376.48   | 49.67      | -4.33  | 54         | 41.49    | 31.46    | 9.83   | 33.11  | 306    | 310     | A       | V       |



|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 117.19 | -      | -  | 109.19 | 31.3  | 9.81 | 33.11 | 209 | 284 | P | H |
|                                                  | *                                                                                           | 5320    | 108.79 | -      | -  | 100.79 | 31.3  | 9.81 | 33.11 | 209 | 284 | A | H |
|                                                  |                                                                                             | 5351.52 | 61.79  | -12.21 | 74 | 53.77  | 31.31 | 9.82 | 33.11 | 209 | 284 | P | H |
|                                                  |                                                                                             | 5351.84 | 52.06  | -1.94  | 54 | 44.04  | 31.31 | 9.82 | 33.11 | 209 | 284 | A | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  | *                                                                                           | 5320    | 114.82 | -      | -  | 106.82 | 31.3  | 9.81 | 33.11 | 301 | 309 | P | V |
|                                                  | *                                                                                           | 5320    | 106.39 | -      | -  | 98.39  | 31.3  | 9.81 | 33.11 | 301 | 309 | A | V |
|                                                  |                                                                                             | 5350.08 | 59.09  | -14.91 | 74 | 51.08  | 31.3  | 9.82 | 33.11 | 301 | 309 | P | V |
|                                                  |                                                                                             | 5351.52 | 49.16  | -4.84  | 54 | 41.14  | 31.31 | 9.82 | 33.11 | 301 | 309 | A | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 52<br/>5260MHz</b> |                                                                                             | 5560      | 58.87      | -9.33      | 68.2       | 50.22      | 31.8           | 9.98      | 33.13         | 212     | 289       | P         | H     |
|                                      |                                                                                             | 10520     | 52.07      | -16.13     | 68.2       | 58.03      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H     |
|                                      |                                                                                             | 15780     | 57.89      | -16.11     | 74         | 61.69      | 37.58          | 19        | 60.38         | 204     | 330       | P         | H     |
|                                      |                                                                                             | 15780     | 47.67      | -6.33      | 54         | 51.47      | 37.58          | 19        | 60.38         | 204     | 330       | A         | H     |
|                                      |                                                                                             | 5548      | 58.71      | -9.49      | 68.2       | 50.07      | 31.8           | 9.97      | 33.13         | 300     | 310       | P         | V     |
|                                      |                                                                                             | 10520     | 54.34      | -13.86     | 68.2       | 60.3       | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V     |
|                                      |                                                                                             | 15780     | 54.77      | -19.23     | 74         | 58.57      | 37.58          | 19        | 60.38         | 200     | 341       | P         | V     |
|                                      |                                                                                             | 15780     | 45.75      | -8.25      | 54         | 49.55      | 37.58          | 19        | 60.38         | 200     | 341       | A         | V     |
| <b>802.11a<br/>CH 60<br/>5300MHz</b> |                                                                                             | 5602      | 57.2       | -11        | 68.2       | 48.52      | 31.8           | 10.02     | 33.14         | 217     | 286       | P         | H     |
|                                      |                                                                                             | 10600     | 55.56      | -18.44     | 74         | 61.54      | 39.7           | 15.4      | 61.08         | 300     | 339       | P         | H     |
|                                      |                                                                                             | 10600     | 46.5       | -7.5       | 54         | 52.48      | 39.7           | 15.4      | 61.08         | 300     | 339       | A         | H     |
|                                      |                                                                                             | 15900     | 42.2       | -31.8      | 74         | 46.23      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H     |
|                                      |                                                                                             | 5602      | 59.52      | -8.68      | 68.2       | 50.84      | 31.8           | 10.02     | 33.14         | 306     | 310       | P         | V     |
|                                      |                                                                                             | 10600     | 56.42      | -17.58     | 74         | 62.4       | 39.7           | 15.4      | 61.08         | 235     | 336       | P         | V     |
|                                      |                                                                                             | 10600     | 47.42      | -6.58      | 54         | 53.4       | 39.7           | 15.4      | 61.08         | 235     | 336       | A         | V     |
|                                      |                                                                                             | 15900     | 43.39      | -30.61     | 74         | 47.42      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V     |
| <b>802.11a<br/>CH 64<br/>5320MHz</b> |                                                                                             | 5608      | 54.13      | -14.07     | 68.2       | 45.46      | 31.78          | 10.03     | 33.14         | 209     | 284       | P         | H     |
|                                      |                                                                                             | 10640     | 47.44      | -26.56     | 74         | 53.47      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H     |
|                                      |                                                                                             | 15960     | 41.96      | -32.04     | 74         | 46.09      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H     |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                      |                                                                                             | 5626      | 57.02      | -11.18     | 68.2       | 48.36      | 31.75          | 10.06     | 33.15         | 301     | 309       | P         | V     |
|                                      |                                                                                             | 10640     | 47.81      | -26.19     | 74         | 53.84      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | V     |
|                                      |                                                                                             | 15960     | 42.15      | -31.85     | 74         | 46.28      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V     |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



## Band 2 5250~5350MHz

## WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant.                             | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |      | 5101.32   | 55.76      | -18.24     | 74         | 47.47      | 31.8           | 9.61      | 33.12         | 212     | 289       | P         | H     |
|                                       |      | 5103.36   | 46.22      | -7.78      | 54         | 37.91      | 31.81          | 9.62      | 33.12         | 212     | 289       | A         | H     |
|                                       | *    | 5260      | 121.92     | -          | -          | 113.87     | 31.38          | 9.78      | 33.11         | 212     | 289       | P         | H     |
|                                       | *    | 5260      | 113.85     | -          | -          | 105.8      | 31.38          | 9.78      | 33.11         | 212     | 289       | A         | H     |
|                                       |      | 5353.2    | 59.73      | -14.27     | 74         | 51.7       | 31.32          | 9.82      | 33.11         | 212     | 289       | P         | H     |
|                                       |      | 5418      | 51.12      | -2.88      | 54         | 42.73      | 31.64          | 9.86      | 33.11         | 212     | 289       | A         | H     |
|                                       |      | 5144.5    | 52.95      | -21.05     | 74         | 44.5       | 31.89          | 9.68      | 33.12         | 300     | 310       | P         | V     |
|                                       |      | 5107.1    | 44.69      | -9.31      | 54         | 36.38      | 31.81          | 9.62      | 33.12         | 300     | 310       | A         | V     |
|                                       | *    | 5260      | 119.42     | -          | -          | 111.37     | 31.38          | 9.78      | 33.11         | 300     | 310       | P         | V     |
|                                       | *    | 5260      | 110.84     | -          | -          | 102.79     | 31.38          | 9.78      | 33.11         | 300     | 310       | A         | V     |
|                                       |      | 5417.28   | 58.31      | -15.69     | 74         | 49.93      | 31.63          | 9.86      | 33.11         | 300     | 310       | P         | V     |
|                                       |      | 5417.04   | 49.5       | -4.5       | 54         | 41.12      | 31.63          | 9.86      | 33.11         | 300     | 310       | P         | V     |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |      | 5147.56   | 52.62      | -21.38     | 74         | 44.16      | 31.9           | 9.68      | 33.12         | 217     | 286       | P         | H     |
|                                       |      | 5143.14   | 45.25      | -8.75      | 54         | 36.81      | 31.89          | 9.67      | 33.12         | 217     | 286       | A         | H     |
|                                       | *    | 5300      | 119.59     | -          | -          | 111.6      | 31.3           | 9.8       | 33.11         | 217     | 286       | P         | H     |
|                                       | *    | 5300      | 111.69     | -          | -          | 103.7      | 31.3           | 9.8       | 33.11         | 217     | 286       | A         | H     |
|                                       |      | 5350.08   | 67.02      | -6.98      | 74         | 59.01      | 31.3           | 9.82      | 33.11         | 217     | 286       | P         | H     |
|                                       |      | 5350.8    | 52.28      | -1.72      | 54         | 44.27      | 31.3           | 9.82      | 33.11         | 217     | 286       | A         | H     |
|                                       |      | 5137.7    | 52.56      | -21.44     | 74         | 44.13      | 31.88          | 9.67      | 33.12         | 306     | 310       | P         | V     |
|                                       |      | 5146.88   | 44.16      | -9.84      | 54         | 35.71      | 31.89          | 9.68      | 33.12         | 306     | 310       | A         | V     |
|                                       | *    | 5300      | 117.29     | -          | -          | 109.3      | 31.3           | 9.8       | 33.11         | 306     | 310       | P         | V     |
|                                       | *    | 5300      | 109.39     | -          | -          | 101.4      | 31.3           | 9.8       | 33.11         | 306     | 310       | A         | V     |
|                                       |      | 5357.28   | 61.02      | -12.98     | 74         | 52.97      | 31.34          | 9.82      | 33.11         | 306     | 310       | P         | V     |
|                                       |      | 5376.96   | 49.91      | -4.09      | 54         | 41.73      | 31.46          | 9.83      | 33.11         | 306     | 310       | A         | V     |





|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 116.49 | -      | -  | 108.49 | 31.3  | 9.81 | 33.11 | 209 | 284 | P | H |
|                                                                   | *                                                                                           | 5320    | 108.29 | -      | -  | 100.29 | 31.3  | 9.81 | 33.11 | 209 | 284 | A | H |
|                                                                   |                                                                                             | 5353.28 | 61.89  | -12.11 | 74 | 53.86  | 31.32 | 9.82 | 33.11 | 209 | 284 | P | H |
|                                                                   |                                                                                             | 5352.8  | 51.62  | -2.38  | 54 | 43.59  | 31.32 | 9.82 | 33.11 | 209 | 284 | A | H |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                   | *                                                                                           | 5320    | 114    | -      | -  | 106    | 31.3  | 9.81 | 33.11 | 301 | 309 | P | V |
|                                                                   | *                                                                                           | 5320    | 105.79 | -      | -  | 97.79  | 31.3  | 9.81 | 33.11 | 301 | 309 | A | V |
|                                                                   |                                                                                             | 5352.16 | 60.7   | -13.3  | 74 | 52.68  | 31.31 | 9.82 | 33.11 | 301 | 309 | P | V |
|                                                                   |                                                                                             | 5351.84 | 50     | -4     | 54 | 41.98  | 31.31 | 9.82 | 33.11 | 301 | 309 | A | V |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |                                                                                             | 5560      | 58.67      | -9.53      | 68.2       | 50.02      | 31.8           | 9.98      | 33.13         | 212     | 289       | P         | H     |
|                                       |                                                                                             | 10520     | 54.23      | -13.97     | 68.2       | 60.19      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15780     | 44.11      | -29.89     | 74         | 47.91      | 37.58          | 19        | 60.38         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5560      | 60.55      | -7.65      | 68.2       | 51.9       | 31.8           | 9.98      | 33.13         | 300     | 310       | P         | V     |
|                                       |                                                                                             | 10520     | 54.89      | -13.31     | 68.2       | 60.85      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15780     | 44.64      | -29.36     | 74         | 48.44      | 37.58          | 19        | 60.38         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |                                                                                             | 5602      | 59.02      | -9.18      | 68.2       | 50.34      | 31.8           | 10.02     | 33.14         | 217     | 286       | P         | H     |
|                                       |                                                                                             | 10600     | 55.26      | -18.74     | 74         | 61.24      | 39.7           | 15.4      | 61.08         | 174     | 279       | P         | H     |
|                                       |                                                                                             | 10600     | 45.07      | -8.93      | 54         | 51.05      | 39.7           | 15.4      | 61.08         | 174     | 279       | A         | H     |
|                                       |                                                                                             | 15900     | 42.13      | -31.87     | 74         | 46.16      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5602      | 59.16      | -9.04      | 68.2       | 50.48      | 31.8           | 10.02     | 33.14         | 306     | 310       | P         | V     |
|                                       |                                                                                             | 10600     | 57.91      | -16.09     | 74         | 63.89      | 39.7           | 15.4      | 61.08         | 166     | 327       | P         | V     |
|                                       |                                                                                             | 10600     | 48.56      | -5.44      | 54         | 54.54      | 39.7           | 15.4      | 61.08         | 166     | 327       | A         | V     |
|                                       |                                                                                             | 15900     | 43.83      | -30.17     | 74         | 47.86      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 64<br>5320MHz |                                                                                             | 5614      | 56.9       | -11.3      | 68.2       | 48.24      | 31.77          | 10.04     | 33.15         | 209     | 284       | P         | H     |
|                                       |                                                                                             | 10640     | 47.13      | -26.87     | 74         | 53.16      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15960     | 43.06      | -30.94     | 74         | 47.19      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5620      | 55.99      | -12.21     | 68.2       | 47.33      | 31.76          | 10.05     | 33.15         | 301     | 309       | P         | V     |
|                                       |                                                                                             | 10640     | 48.86      | -25.14     | 74         | 54.89      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15960     | 42.81      | -31.19     | 74         | 46.94      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5118.66   | 53.69      | -20.31     | 74         | 45.33      | 31.84          | 9.64      | 33.12         | 210     | 287       | P         | H     |
|                                       |                                                                                             | 5119      | 46.94      | -7.06      | 54         | 38.58      | 31.84          | 9.64      | 33.12         | 210     | 287       | A         | H     |
|                                       | *                                                                                           | 5270      | 114.81     | -          | -          | 106.77     | 31.36          | 9.79      | 33.11         | 210     | 287       | P         | H     |
|                                       | *                                                                                           | 5270      | 105.99     | -          | -          | 97.95      | 31.36          | 9.79      | 33.11         | 210     | 287       | A         | H     |
|                                       |                                                                                             | 5424      | 59.95      | -14.05     | 74         | 51.55      | 31.65          | 9.86      | 33.11         | 210     | 287       | P         | H     |
|                                       |                                                                                             | 5423.04   | 52.73      | -1.27      | 54         | 44.33      | 31.65          | 9.86      | 33.11         | 210     | 287       | A         | H     |
|                                       |                                                                                             | 5111.86   | 52.12      | -21.88     | 74         | 43.79      | 31.82          | 9.63      | 33.12         | 308     | 310       | P         | V     |
|                                       |                                                                                             | 5116.62   | 46.04      | -7.96      | 54         | 37.7       | 31.83          | 9.63      | 33.12         | 308     | 310       | A         | V     |
|                                       | *                                                                                           | 5270      | 111.83     | -          | -          | 103.79     | 31.36          | 9.79      | 33.11         | 308     | 310       | P         | V     |
|                                       | *                                                                                           | 5270      | 103.43     | -          | -          | 95.39      | 31.36          | 9.79      | 33.11         | 308     | 310       | A         | V     |
|                                       |                                                                                             | 5431.92   | 57.73      | -16.27     | 74         | 49.31      | 31.66          | 9.87      | 33.11         | 308     | 310       | P         | V     |
|                                       |                                                                                             | 5436.96   | 50.64      | -3.36      | 54         | 42.21      | 31.67          | 9.87      | 33.11         | 308     | 310       | A         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5061.54   | 51.61      | -22.39     | 74         | 43.53      | 31.65          | 9.55      | 33.12         | 204     | 286       | P         | H     |
|                                       |                                                                                             | 5142.8    | 44.3       | -9.7       | 54         | 35.86      | 31.89          | 9.67      | 33.12         | 204     | 286       | A         | H     |
|                                       | *                                                                                           | 5310      | 110.44     | -          | -          | 102.45     | 31.3           | 9.8       | 33.11         | 204     | 286       | P         | H     |
|                                       | *                                                                                           | 5310      | 102.08     | -          | -          | 94.09      | 31.3           | 9.8       | 33.11         | 204     | 286       | A         | H     |
|                                       |                                                                                             | 5353.68   | 58.75      | -15.25     | 74         | 50.72      | 31.32          | 9.82      | 33.11         | 204     | 286       | P         | H     |
|                                       |                                                                                             | 5353.68   | 52.04      | -1.96      | 54         | 44.01      | 31.32          | 9.82      | 33.11         | 204     | 286       | A         | H     |
|                                       |                                                                                             | 5079.9    | 50.1       | -23.9      | 74         | 41.92      | 31.72          | 9.58      | 33.12         | 302     | 310       | P         | V     |
|                                       |                                                                                             | 5137.02   | 43.48      | -10.52     | 54         | 35.06      | 31.87          | 9.67      | 33.12         | 302     | 310       | A         | V     |
|                                       | *                                                                                           | 5310      | 108.27     | -          | -          | 100.28     | 31.3           | 9.8       | 33.11         | 302     | 310       | P         | V     |
|                                       | *                                                                                           | 5310      | 99.29      | -          | -          | 91.3       | 31.3           | 9.8       | 33.11         | 302     | 310       | A         | V     |
|                                       |                                                                                             | 5353.44   | 60.36      | -13.64     | 74         | 52.33      | 31.32          | 9.82      | 33.11         | 302     | 310       | P         | V     |
|                                       |                                                                                             | 5457.12   | 47.58      | -6.42      | 54         | 39.07      | 31.73          | 9.89      | 33.11         | 302     | 310       | 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 VHT40 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5506      | 56.31      | -11.89     | 68.2       | 47.59      | 31.89          | 9.94      | 33.11         | 210     | 287       | P         | H     |
|                                       |                                                                                             | 10540     | 46.87      | -21.33     | 68.2       | 52.83      | 39.7           | 15.37     | 61.03         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15810     | 43.93      | -30.07     | 74         | 47.71      | 37.56          | 19.01     | 60.35         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5518      | 56.91      | -11.29     | 68.2       | 48.22      | 31.86          | 9.95      | 33.12         | 308     | 310       | P         | V     |
|                                       |                                                                                             | 10540     | 47.31      | -20.89     | 68.2       | 53.27      | 39.7           | 15.37     | 61.03         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15810     | 44.39      | -29.61     | 74         | 48.17      | 37.56          | 19.01     | 60.35         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5464      | 56.97      | -11.23     | 68.2       | 48.42      | 31.76          | 9.9       | 33.11         | 204     | 286       | P         | H     |
|                                       |                                                                                             | 10620     | 43.85      | -30.15     | 74         | 49.86      | 39.68          | 15.41     | 61.1          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15930     | 43.66      | -30.34     | 74         | 47.75      | 37.11          | 19.06     | 60.26         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5542      | 57.12      | -11.08     | 68.2       | 48.45      | 31.82          | 9.97      | 33.12         | 302     | 310       | P         | V     |
|                                       |                                                                                             | 10620     | 44.89      | -29.11     | 74         | 50.9       | 39.68          | 15.41     | 61.1          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15930     | 42.87      | -31.13     | 74         | 46.96      | 37.11          | 19.06     | 60.26         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5147.9    | 51.47      | -22.53     | 74         | 43.01      | 31.9           | 9.68      | 33.12         | 221     | 285       | P         | H     |
|                                       |                                                                                             | 5148.5    | 44.17      | -9.83      | 54         | 35.71      | 31.9           | 9.68      | 33.12         | 221     | 285       | A         | H     |
|                                       | *                                                                                           | 5290      | 106.23     | -          | -          | 98.22      | 31.32          | 9.8       | 33.11         | 221     | 285       | P         | H     |
|                                       | *                                                                                           | 5290      | 98.1       | -          | -          | 90.09      | 31.32          | 9.8       | 33.11         | 221     | 285       | A         | H     |
|                                       |                                                                                             | 5354.16   | 57.83      | -16.17     | 74         | 49.8       | 31.32          | 9.82      | 33.11         | 221     | 285       | P         | H     |
|                                       |                                                                                             | 5352      | 52.25      | -1.75      | 54         | 44.23      | 31.31          | 9.82      | 33.11         | 221     | 285       | A         | H     |
|                                       |                                                                                             | 5112.2    | 51.24      | -22.76     | 74         | 42.91      | 31.82          | 9.63      | 33.12         | 298     | 310       | P         | V     |
|                                       |                                                                                             | 5147.9    | 43.14      | -10.86     | 54         | 34.68      | 31.9           | 9.68      | 33.12         | 298     | 310       | A         | V     |
|                                       | *                                                                                           | 5290      | 104.03     | -          | -          | 96.02      | 31.32          | 9.8       | 33.11         | 298     | 310       | P         | V     |
|                                       | *                                                                                           | 5290      | 96.19      | -          | -          | 88.18      | 31.32          | 9.8       | 33.11         | 298     | 310       | A         | V     |
|                                       |                                                                                             | 5350.32   | 55.76      | -18.24     | 74         | 47.75      | 31.3           | 9.82      | 33.11         | 298     | 310       | P         | V     |
|                                       |                                                                                             | 5352      | 47.17      | -6.83      | 54         | 39.15      | 31.31          | 9.82      | 33.11         | 298     | 310       | 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.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 10580     | 43.49      | -24.71     | 68.2       | 49.47      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15870     | 43.98      | -30.02     | 74         | 47.92      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 10580     | 44.35      | -23.85     | 68.2       | 50.33      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15870     | 44.33      | -29.67     | 74         | 48.27      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - 5470~5725MHz**

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

| WIFI                                  | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                  |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2+3                                 |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |      | 5423.92   | 57.54      | -16.46 | 74         | 49.14    | 31.65    | 9.86   | 33.11  | 203    | 280     | P       | H       |
|                                       |      | 5466.8    | 65.38      | -2.82  | 68.2       | 56.82    | 31.77    | 9.9    | 33.11  | 203    | 280     | P       | H       |
|                                       |      | 5422.96   | 49.52      | -4.48  | 54         | 41.12    | 31.65    | 9.86   | 33.11  | 203    | 280     | A       | H       |
|                                       | *    | 5500      | 114.43     | -      | -          | 105.71   | 31.9     | 9.93   | 33.11  | 203    | 280     | P       | H       |
|                                       | *    | 5500      | 107.13     | -      | -          | 98.41    | 31.9     | 9.93   | 33.11  | 203    | 280     | A       | H       |
|                                       |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                       |      | 5417.52   | 57.21      | -16.79 | 74         | 48.82    | 31.64    | 9.86   | 33.11  | 354    | 304     | P       | V       |
|                                       |      | 5470      | 61.47      | -6.73  | 68.2       | 52.9     | 31.78    | 9.9    | 33.11  | 354    | 304     | P       | V       |
|                                       |      | 5416.72   | 48.61      | -5.39  | 54         | 40.23    | 31.63    | 9.86   | 33.11  | 354    | 304     | A       | V       |
|                                       | *    | 5500      | 115.71     | -      | -          | 106.99   | 31.9     | 9.93   | 33.11  | 354    | 304     | P       | V       |
|                                       | *    | 5500      | 108.66     | -      | -          | 99.94    | 31.9     | 9.93   | 33.11  | 354    | 304     | A       | V       |
|                                       |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |      | 5422.96   | 59.77      | -14.23 | 74         | 51.37    | 31.65    | 9.86   | 33.11  | 222    | 280     | P       | H       |
|                                       |      | 5468.56   | 53.66      | -14.54 | 68.2       | 45.1     | 31.77    | 9.9    | 33.11  | 222    | 280     | P       | H       |
|                                       |      | 5422.72   | 52.77      | -1.23  | 54         | 44.37    | 31.65    | 9.86   | 33.11  | 222    | 280     | A       | H       |
|                                       | *    | 5580      | 118.18     | -      | -          | 109.52   | 31.8     | 10     | 33.14  | 222    | 280     | P       | H       |
|                                       | *    | 5580      | 110.95     | -      | -          | 102.29   | 31.8     | 10     | 33.14  | 222    | 280     | A       | H       |
|                                       |      | 5742.95   | 62.31      | -5.89  | 68.2       | 53.19    | 32.09    | 10.22  | 33.19  | 222    | 280     | P       | H       |
|                                       |      | 5416.48   | 58.58      | -15.42 | 74         | 50.21    | 31.63    | 9.85   | 33.11  | 363    | 303     | P       | V       |
|                                       |      | 5466.64   | 52.81      | -15.39 | 68.2       | 44.25    | 31.77    | 9.9    | 33.11  | 363    | 303     | P       | V       |
|                                       |      | 5426.8    | 52.32      | -1.68  | 54         | 43.92    | 31.65    | 9.86   | 33.11  | 363    | 303     | A       | V       |
|                                       | *    | 5580      | 119.96     | -      | -          | 111.3    | 31.8     | 10     | 33.14  | 363    | 303     | P       | V       |
|                                       | *    | 5580      | 113.31     | -      | -          | 104.65   | 31.8     | 10     | 33.14  | 363    | 303     | A       | V       |
|                                       |      | 5736.65   | 64.99      | -3.21  | 68.2       | 55.9     | 32.07    | 10.21  | 33.19  | 363    | 303     | P       | V       |



|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   |   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 111.19 | -     | -    | 102.2 | 32    | 10.16 | 33.17 | 200 | 14  | P | H |
|                                                   | *                                                                                           | 5700    | 103.59 | -     | -    | 94.6  | 32    | 10.16 | 33.17 | 200 | 14  | A | H |
|                                                   |                                                                                             | 5727.72 | 61.3   | -6.9  | 68.2 | 52.22 | 32.06 | 10.2  | 33.18 | 200 | 14  | P | H |
|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                   | *                                                                                           | 5700    | 115.79 | -     | -    | 106.8 | 32    | 10.16 | 33.17 | 350 | 303 | P | V |
|                                                   | *                                                                                           | 5700    | 106.69 | -     | -    | 97.7  | 32    | 10.16 | 33.17 | 350 | 303 | A | V |
|                                                   |                                                                                             | 5726.6  | 66.87  | -1.33 | 68.2 | 57.8  | 32.05 | 10.2  | 33.18 | 350 | 303 | P | V |
|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |      |       |       |       |       |     |     |   |   |
|                                                   |                                                                                             |         |        |       |      |       |       |       |       |     |     |   |   |





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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |                                                                                             | 5662      | 59.11      | -9.09      | 68.2       | 50.39      | 31.77          | 10.11     | 33.16          | 203     | 280       | P         | H     |
|                                       |                                                                                             | 11000     | 54.31      | -19.69     | 74         | 60.09      | 40             | 15.62     | 61.4           | 170     | 157       | P         | H     |
|                                       |                                                                                             | 11000     | 43.42      | -10.58     | 54         | 49.2       | 40             | 15.62     | 61.4           | 170     | 157       | A         | H     |
|                                       |                                                                                             | 16500     | 43.82      | -24.38     | 68.2       | 45.07      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5656      | 63.66      | -4.54      | 68.2       | 54.98      | 31.74          | 10.1      | 33.16          | 354     | 304       | P         | V     |
|                                       |                                                                                             | 11000     | 52.17      | -21.83     | 74         | 57.95      | 40             | 15.62     | 61.4           | 100     | 210       | P         | V     |
|                                       |                                                                                             | 11000     | 42.57      | -11.43     | 54         | 48.35      | 40             | 15.62     | 61.4           | 100     | 210       | A         | V     |
|                                       |                                                                                             | 16500     | 43.92      | -24.28     | 68.2       | 45.17      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V     |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |                                                                                             | 5344      | 59.76      | -8.44      | 68.2       | 51.75      | 31.3           | 9.82      | 33.11          | 222     | 280       | P         | H     |
|                                       |                                                                                             | 11160     | 56.85      | -17.15     | 74         | 63.05      | 39.48          | 15.72     | 61.4           | 171     | 149       | P         | H     |
|                                       |                                                                                             | 11160     | 48.42      | -5.58      | 54         | 54.62      | 39.48          | 15.72     | 61.4           | 171     | 149       | A         | H     |
|                                       |                                                                                             | 16740     | 50.42      | -17.78     | 68.2       | 50.01      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5806      | 64.16      | -4.04      | 68.2       | 54.85      | 32.21          | 10.31     | 33.21          | 363     | 303       | P         | V     |
|                                       |                                                                                             | 11160     | 54.99      | -19.01     | 74         | 61.19      | 39.48          | 15.72     | 61.4           | 100     | 210       | P         | V     |
|                                       |                                                                                             | 11160     | 47.21      | -6.79      | 54         | 53.41      | 39.48          | 15.72     | 61.4           | 100     | 210       | A         | V     |
|                                       |                                                                                             | 16740     | 49.18      | -19.02     | 68.2       | 48.77      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V     |
| <b>802.11a<br/>CH 140<br/>5700MHz</b> |                                                                                             | 5860      | 56.08      | -12.12     | 68.2       | 46.6       | 32.34          | 10.37     | 33.23          | 200     | 14        | P         | H     |
|                                       |                                                                                             | 5938      | 56.26      | -11.94     | 68.2       | 46.48      | 32.58          | 10.45     | 33.25          | 200     | 14        | P         | H     |
|                                       |                                                                                             | 11400     | 45.85      | -28.15     | 74         | 51.69      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 17100     | 46.29      | -21.91     | 68.2       | 44.05      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5866      | 59.92      | -8.28      | 68.2       | 50.42      | 32.36          | 10.37     | 33.23          | 350     | 303       | P         | V     |
|                                       |                                                                                             | 5932      | 56.99      | -11.21     | 68.2       | 47.23      | 32.56          | 10.45     | 33.25          | 350     | 303       | P         | V     |
|                                       |                                                                                             | 11400     | 47.5       | -26.5      | 74         | 53.34      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V     |
|                                       |                                                                                             | 17100     | 47.42      | -20.78     | 68.2       | 45.18      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                                                          | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                                              |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 100</b><br><b>5500MHz</b> |      | 5422.64   | 58.08      | -15.92     | 74         | 49.68      | 31.65          | 9.86      | 33.11         | 203     | 280       | P         | H     |
|                                                                    |      | 5464.4    | 66.31      | -1.89      | 68.2       | 57.76      | 31.76          | 9.9       | 33.11         | 203     | 280       | P         | H     |
|                                                                    |      | 5422.8    | 48.11      | -5.89      | 54         | 39.71      | 31.65          | 9.86      | 33.11         | 203     | 280       | A         | H     |
|                                                                    | *    | 5500      | 114.73     | -          | -          | 106.01     | 31.9           | 9.93      | 33.11         | 203     | 280       | P         | H     |
|                                                                    | *    | 5500      | 106.02     | -          | -          | 97.3       | 31.9           | 9.93      | 33.11         | 203     | 280       | A         | H     |
|                                                                    |      |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                                                    |      | 5417.04   | 56.74      | -17.26     | 74         | 48.36      | 31.63          | 9.86      | 33.11         | 354     | 304       | P         | V     |
|                                                                    |      | 5467.76   | 64.4       | -3.8       | 68.2       | 55.84      | 31.77          | 9.9       | 33.11         | 354     | 304       | P         | V     |
|                                                                    |      | 5416.88   | 47.14      | -6.86      | 54         | 38.76      | 31.63          | 9.86      | 33.11         | 354     | 304       | A         | V     |
|                                                                    | *    | 5500      | 116.05     | -          | -          | 107.33     | 31.9           | 9.93      | 33.11         | 354     | 304       | P         | V     |
|                                                                    | *    | 5500      | 107.41     | -          | -          | 98.69      | 31.9           | 9.93      | 33.11         | 354     | 304       | A         | V     |
|                                                                    |      |           |            |            |            |            |                |           |               |         |           |           | V     |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 116</b><br><b>5580MHz</b> |      | 5428      | 59.35      | -14.65     | 74         | 50.93      | 31.66          | 9.87      | 33.11         | 222     | 280       | P         | H     |
|                                                                    |      | 5468.56   | 53.27      | -14.93     | 68.2       | 44.71      | 31.77          | 9.9       | 33.11         | 222     | 280       | P         | H     |
|                                                                    |      | 5422.72   | 52.62      | -1.38      | 54         | 44.22      | 31.65          | 9.86      | 33.11         | 222     | 280       | A         | H     |
|                                                                    | *    | 5580      | 118.77     | -          | -          | 110.11     | 31.8           | 10        | 33.14         | 222     | 280       | P         | H     |
|                                                                    | *    | 5580      | 110.73     | -          | -          | 102.07     | 31.8           | 10        | 33.14         | 222     | 280       | A         | H     |
|                                                                    |      | 5747.675  | 62.21      | -5.99      | 68.2       | 53.07      | 32.1           | 10.23     | 33.19         | 222     | 280       | P         | H     |
|                                                                    |      | 5427.52   | 59.1       | -14.9      | 74         | 50.69      | 31.66          | 9.86      | 33.11         | 363     | 303       | P         | V     |
|                                                                    |      | 5467.84   | 52.82      | -15.38     | 68.2       | 44.26      | 31.77          | 9.9       | 33.11         | 363     | 303       | P         | V     |
|                                                                    |      | 5426.56   | 51.89      | -2.11      | 54         | 43.49      | 31.65          | 9.86      | 33.11         | 363     | 303       | A         | V     |
|                                                                    | *    | 5580      | 120.57     | -          | -          | 111.91     | 31.8           | 10        | 33.14         | 363     | 303       | P         | V     |
|                                                                    | *    | 5580      | 112.68     | -          | -          | 104.02     | 31.8           | 10        | 33.14         | 363     | 303       | A         | V     |
|                                                                    |      | 5742.005  | 64.6       | -3.6       | 68.2       | 55.49      | 32.08          | 10.22     | 33.19         | 363     | 303       | P         | V     |



|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   |   |
|--------------------------------------------------------------------------------------------------------------|---|---------|--------|-------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b>                                           | * | 5700    | 111.29 | -     | -    | 102.3 | 32    | 10.16 | 33.17 | 200 | 14  | P | H |
|                                                                                                              | * | 5700    | 102.89 | -     | -    | 93.9  | 32    | 10.16 | 33.17 | 200 | 14  | A | H |
|                                                                                                              |   | 5729.96 | 60.2   | -8    | 68.2 | 51.12 | 32.06 | 10.2  | 33.18 | 200 | 14  | P | H |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                                                              | * | 5700    | 114.79 | -     | -    | 105.8 | 32    | 10.16 | 33.17 | 350 | 303 | P | V |
|                                                                                                              | * | 5700    | 106.17 | -     | -    | 97.18 | 32    | 10.16 | 33.17 | 350 | 303 | A | V |
|                                                                                                              |   | 5726.84 | 66.45  | -1.75 | 68.2 | 57.38 | 32.05 | 10.2  | 33.18 | 350 | 303 | P | V |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                                                              |   |         |        |       |      |       |       |       |       |     |     |   | V |
| <b>Remark</b><br>1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |   |         |        |       |      |       |       |       |       |     |     |   |   |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |                                                                                             | 5734      | 58.11      | -10.09     | 68.2       | 49.01      | 32.07          | 10.21     | 33.18         | 203     | 280       | P         | H     |
|                                        |                                                                                             | 11000     | 47.08      | -26.92     | 74         | 52.86      | 40             | 15.62     | 61.4          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16500     | 44.05      | -24.15     | 68.2       | 45.3       | 38.7           | 19.55     | 59.5          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                        |                                                                                             | 5734      | 61.55      | -6.65      | 68.2       | 52.45      | 32.07          | 10.21     | 33.18         | 354     | 304       | P         | V     |
|                                        |                                                                                             | 11000     | 48.83      | -25.17     | 74         | 54.61      | 40             | 15.62     | 61.4          | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16500     | 42.87      | -25.33     | 68.2       | 44.12      | 38.7           | 19.55     | 59.5          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |                                                                                             | 5818      | 61.25      | -6.95      | 68.2       | 51.9       | 32.24          | 10.32     | 33.21         | 222     | 280       | P         | H     |
|                                        |                                                                                             | 11160     | 56.72      | -17.28     | 74         | 62.92      | 39.48          | 15.72     | 61.4          | 173     | 148       | P         | H     |
|                                        |                                                                                             | 11160     | 47.29      | -6.71      | 54         | 53.49      | 39.48          | 15.72     | 61.4          | 173     | 148       | A         | H     |
|                                        |                                                                                             | 16740     | 48.75      | -19.45     | 68.2       | 48.34      | 39.56          | 19.77     | 58.92         | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5824      | 64.06      | -4.14      | 68.2       | 54.69      | 32.25          | 10.33     | 33.21         | 363     | 303       | P         | V     |
|                                        |                                                                                             | 11160     | 54.75      | -19.25     | 74         | 60.95      | 39.48          | 15.72     | 61.4          | 100     | 207       | P         | V     |
|                                        |                                                                                             | 11160     | 45.79      | -8.21      | 54         | 51.99      | 39.48          | 15.72     | 61.4          | 100     | 207       | A         | V     |
|                                        |                                                                                             | 16740     | 50.03      | -18.17     | 68.2       | 49.62      | 39.56          | 19.77     | 58.92         | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |                                                                                             | 5860      | 56.08      | -12.12     | 68.2       | 46.6       | 32.34          | 10.37     | 33.23         | 200     | 14        | P         | H     |
|                                        |                                                                                             | 11400     | 47.63      | -26.37     | 74         | 53.47      | 39.7           | 15.86     | 61.4          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17100     | 46.38      | -21.82     | 68.2       | 44.14      | 40.1           | 20.1      | 57.96         | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                        |                                                                                             | 5866      | 58.43      | -9.77      | 68.2       | 48.93      | 32.36          | 10.37     | 33.23         | 350     | 303       | P         | V     |
|                                        |                                                                                             | 11400     | 48.03      | -25.97     | 74         | 53.87      | 39.7           | 15.86     | 61.4          | 100     | 0         | P         | V     |
|                                        |                                                                                             | 17100     | 47.38      | -20.82     | 68.2       | 45.14      | 40.1           | 20.1      | 57.96         | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                                          | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3                                                              |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 102</b><br><b>5510MHz</b> |      | 5438.08   | 62.06      | -11.94     | 74         | 53.62      | 31.68          | 9.87      | 33.11         | 219     | 284       | P         | H       |
|                                                                    |      | 5468.8    | 67.04      | -1.16      | 68.2       | 58.47      | 31.78          | 9.9       | 33.11         | 219     | 284       | P         | H       |
|                                                                    |      | 5457.76   | 51.04      | -2.96      | 54         | 42.53      | 31.73          | 9.89      | 33.11         | 219     | 284       | A         | H       |
|                                                                    | *    | 5510      | 110.11     | -          | -          | 101.4      | 31.88          | 9.94      | 33.11         | 219     | 284       | P         | H       |
|                                                                    | *    | 5510      | 101.91     | -          | -          | 93.2       | 31.88          | 9.94      | 33.11         | 219     | 284       | A         | H       |
|                                                                    |      | 5763.425  | 54.18      | -14.02     | 68.2       | 44.99      | 32.13          | 10.25     | 33.19         | 219     | 284       | P         | H       |
|                                                                    |      | 5457.04   | 61.53      | -12.47     | 74         | 53.02      | 31.73          | 9.89      | 33.11         | 352     | 304       | P         | V       |
|                                                                    |      | 5466.16   | 63.13      | -5.07      | 68.2       | 54.58      | 31.76          | 9.9       | 33.11         | 352     | 304       | P         | V       |
|                                                                    |      | 5456.56   | 51.28      | -2.72      | 54         | 42.77      | 31.73          | 9.89      | 33.11         | 352     | 304       | A         | V       |
|                                                                    | *    | 5510      | 111.61     | -          | -          | 102.9      | 31.88          | 9.94      | 33.11         | 352     | 304       | P         | V       |
|                                                                    | *    | 5510      | 103.28     | -          | -          | 94.57      | 31.88          | 9.94      | 33.11         | 352     | 304       | A         | V       |
|                                                                    |      | 5742.005  | 55.53      | -12.67     | 68.2       | 46.42      | 32.08          | 10.22     | 33.19         | 352     | 304       | P         | V       |
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 110</b><br><b>5550MHz</b> |      | 5457.76   | 62.72      | -11.28     | 74         | 54.21      | 31.73          | 9.89      | 33.11         | 217     | 272       | P         | H       |
|                                                                    |      | 5462.56   | 66.59      | -1.61      | 68.2       | 58.05      | 31.75          | 9.9       | 33.11         | 217     | 272       | P         | H       |
|                                                                    |      | 5457.76   | 51.73      | -2.27      | 54         | 43.22      | 31.73          | 9.89      | 33.11         | 217     | 272       | A         | H       |
|                                                                    | *    | 5550      | 114.05     | -          | -          | 105.4      | 31.8           | 9.98      | 33.13         | 217     | 272       | P         | H       |
|                                                                    | *    | 5550      | 106.4      | -          | -          | 97.75      | 31.8           | 9.98      | 33.13         | 217     | 272       | A         | H       |
|                                                                    |      | 5728.145  | 57.32      | -10.88     | 68.2       | 48.24      | 32.06          | 10.2      | 33.18         | 217     | 272       | P         | H       |
|                                                                    |      | 5457.76   | 64.18      | -9.82      | 74         | 55.67      | 31.73          | 9.89      | 33.11         | 347     | 306       | P         | V       |
|                                                                    |      | 5467.36   | 61.99      | -6.21      | 68.2       | 53.43      | 31.77          | 9.9       | 33.11         | 347     | 306       | P         | V       |
|                                                                    |      | 5457.28   | 51.23      | -2.77      | 54         | 42.72      | 31.73          | 9.89      | 33.11         | 347     | 306       | A         | V       |
|                                                                    | *    | 5550      | 115.95     | -          | -          | 107.3      | 31.8           | 9.98      | 33.13         | 347     | 306       | P         | V       |
|                                                                    | *    | 5550      | 107.55     | -          | -          | 98.9       | 31.8           | 9.98      | 33.13         | 347     | 306       | A         | V       |
|                                                                    |      | 5726.57   | 60.29      | -7.91      | 68.2       | 51.22      | 32.05          | 10.2      | 33.18         | 347     | 306       | P         | V       |



|                                                                    |                                                                                             |          |        |        |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5412.65  | 52.19  | -21.81 | 74   | 43.82  | 31.63 | 9.85  | 33.11 | 216 | 272 | P | H |
|                                                                    |                                                                                             | 5466.55  | 50.35  | -17.85 | 68.2 | 41.79  | 31.77 | 9.9   | 33.11 | 216 | 272 | P | H |
|                                                                    |                                                                                             | 5432.6   | 44.28  | -9.72  | 54   | 35.85  | 31.67 | 9.87  | 33.11 | 216 | 272 | A | H |
|                                                                    | *                                                                                           | 5670     | 110.48 | -      | -    | 101.7  | 31.82 | 10.12 | 33.16 | 216 | 272 | P | H |
|                                                                    | *                                                                                           | 5670     | 102.02 | -      | -    | 93.24  | 31.82 | 10.12 | 33.16 | 216 | 272 | A | H |
|                                                                    |                                                                                             | 5726.5   | 63.38  | -4.82  | 68.2 | 54.31  | 32.05 | 10.2  | 33.18 | 216 | 272 | P | H |
|                                                                    |                                                                                             | 5432.25  | 51.8   | -22.2  | 74   | 43.38  | 31.66 | 9.87  | 33.11 | 348 | 303 | P | V |
|                                                                    |                                                                                             | 5469.7   | 49.83  | -18.37 | 68.2 | 41.26  | 31.78 | 9.9   | 33.11 | 348 | 303 | P | V |
|                                                                    |                                                                                             | 5436.8   | 44.11  | -9.89  | 54   | 35.68  | 31.67 | 9.87  | 33.11 | 348 | 303 | A | V |
|                                                                    | *                                                                                           | 5670     | 114.51 | -      | -    | 105.73 | 31.82 | 10.12 | 33.16 | 348 | 303 | P | V |
|                                                                    | *                                                                                           | 5670     | 105.76 | -      | -    | 96.98  | 31.82 | 10.12 | 33.16 | 348 | 303 | A | V |
|                                                                    |                                                                                             | 5726.325 | 66.56  | -1.64  | 68.2 | 57.49  | 32.05 | 10.2  | 33.18 | 348 | 303 | 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 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |                                                                                             | 11020     | 46.05      | -27.95     | 74         | 51.89      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16530     | 44.36      | -23.84     | 68.2       | 45.44      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 11020     | 47.88      | -26.12     | 74         | 53.72      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16530     | 44.91      | -23.29     | 68.2       | 45.99      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |                                                                                             | 5776      | 55.85      | -12.35     | 68.2       | 46.63      | 32.15          | 10.27     | 33.2          | 217     | 272       | P         | H       |
|                                        |                                                                                             | 11100     | 48.19      | -25.81     | 74         | 54.31      | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16650     | 45.72      | -22.48     | 68.2       | 46.11      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5782      | 59.52      | -8.68      | 68.2       | 50.29      | 32.16          | 10.27     | 33.2          | 347     | 306       | P         | V       |
|                                        |                                                                                             | 11100     | 51.47      | -22.53     | 74         | 57.59      | 39.6           | 15.68     | 61.4          | 100     | 206       | P         | V       |
|                                        |                                                                                             | 11100     | 43.2       | -10.8      | 54         | 49.32      | 39.6           | 15.68     | 61.4          | 100     | 206       | A         | V       |
|                                        |                                                                                             | 16650     | 44.79      | -23.41     | 68.2       | 45.18      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | V       |
| 802.11ac<br>VHT40<br>CH 134<br>5670MHz |                                                                                             | 5818      | 56.05      | -12.15     | 68.2       | 46.7       | 32.24          | 10.32     | 33.21         | 216     | 272       | P         | H       |
|                                        |                                                                                             | 11340     | 45.82      | -28.18     | 74         | 51.82      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17010     | 46.62      | -21.58     | 68.2       | 44.84      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5848      | 59.99      | -8.21      | 68.2       | 50.56      | 32.3           | 10.35     | 33.22         | 348     | 303       | P         | V       |
|                                        |                                                                                             | 11340     | 46.23      | -27.77     | 74         | 52.23      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17010     | 46.38      | -21.82     | 68.2       | 44.6       | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5438.32   | 60.48      | -13.52     | 74         | 52.04      | 31.68          | 9.87      | 33.11         | 227     | 274       | P         | H     |
|                                        |                                                                                             | 5467.6    | 66.58      | -1.62      | 68.2       | 58.02      | 31.77          | 9.9       | 33.11         | 227     | 274       | P         | H     |
|                                        |                                                                                             | 5458.72   | 52.11      | -1.89      | 54         | 43.6       | 31.73          | 9.89      | 33.11         | 227     | 274       | P         | H     |
|                                        | *                                                                                           | 5530      | 106.43     | -          | -          | 97.75      | 31.84          | 9.96      | 33.12         | 227     | 274       | P         | H     |
|                                        | *                                                                                           | 5530      | 98.56      | -          | -          | 89.88      | 31.84          | 9.96      | 33.12         | 227     | 274       | A         | H     |
|                                        |                                                                                             | 5728.145  | 52.18      | -16.02     | 68.2       | 43.1       | 32.06          | 10.2      | 33.18         | 227     | 274       | P         | H     |
|                                        |                                                                                             | 5457.04   | 59.12      | -14.88     | 74         | 50.61      | 31.73          | 9.89      | 33.11         | 361     | 305       | P         | V     |
|                                        |                                                                                             | 5467.6    | 63.47      | -4.73      | 68.2       | 54.91      | 31.77          | 9.9       | 33.11         | 361     | 305       | P         | V     |
|                                        |                                                                                             | 5456.32   | 49.62      | -4.38      | 54         | 41.11      | 31.73          | 9.89      | 33.11         | 361     | 305       | A         | V     |
|                                        | *                                                                                           | 5530      | 107.38     | -          | -          | 98.7       | 31.84          | 9.96      | 33.12         | 361     | 305       | P         | V     |
|                                        | *                                                                                           | 5530      | 99.58      | -          | -          | 90.9       | 31.84          | 9.96      | 33.12         | 361     | 305       | A         | V     |
|                                        |                                                                                             | 5727.515  | 55.81      | -12.39     | 68.2       | 46.73      | 32.06          | 10.2      | 33.18         | 361     | 305       | P         | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5444.15   | 59.14      | -14.86     | 74         | 50.68      | 31.69          | 9.88      | 33.11         | 228     | 275       | P         | H     |
|                                        |                                                                                             | 5469.35   | 62.51      | -5.69      | 68.2       | 53.94      | 31.78          | 9.9       | 33.11         | 228     | 275       | P         | H     |
|                                        |                                                                                             | 5458.85   | 50.26      | -3.74      | 54         | 41.74      | 31.74          | 9.89      | 33.11         | 228     | 275       | A         | H     |
|                                        | *                                                                                           | 5610      | 108.63     | -          | -          | 99.97      | 31.78          | 10.03     | 33.15         | 228     | 275       | P         | H     |
|                                        | *                                                                                           | 5610      | 100.37     | -          | -          | 91.71      | 31.78          | 10.03     | 33.15         | 228     | 275       | A         | H     |
|                                        |                                                                                             | 5726.675  | 61.91      | -6.29      | 68.2       | 52.84      | 32.05          | 10.2      | 33.18         | 228     | 275       | P         | H     |
|                                        |                                                                                             | 5457.45   | 56.28      | -17.72     | 74         | 47.77      | 31.73          | 9.89      | 33.11         | 355     | 305       | P         | V     |
|                                        |                                                                                             | 5466.55   | 62.03      | -6.17      | 68.2       | 53.47      | 31.77          | 9.9       | 33.11         | 355     | 305       | P         | V     |
|                                        |                                                                                             | 5455.7    | 47.25      | -6.75      | 54         | 38.75      | 31.72          | 9.89      | 33.11         | 355     | 305       | A         | V     |
|                                        | *                                                                                           | 5610      | 110.34     | -          | -          | 101.68     | 31.78          | 10.03     | 33.15         | 355     | 305       | P         | V     |
|                                        | *                                                                                           | 5610      | 101.97     | -          | -          | 93.31      | 31.78          | 10.03     | 33.15         | 355     | 305       | A         | V     |
|                                        |                                                                                             | 5731.75   | 66.46      | -1.74      | 68.2       | 57.38      | 32.06          | 10.2      | 33.18         | 355     | 305       | P         | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |





**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 46.47      | -27.53     | 74         | 52.45      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16590     | 46.77      | -21.43     | 68.2       | 47.54      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11060     | 46.54      | -27.46     | 74         | 52.52      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16590     | 45.57      | -22.63     | 68.2       | 46.34      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 50.11      | -23.89     | 74         | 56.34      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16830     | 46.69      | -21.51     | 68.2       | 45.51      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11220     | 50.29      | -23.71     | 74         | 56.52      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16830     | 46.9       | -21.3      | 68.2       | 45.72      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**

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

| WIFI                                  | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5458.81   | 50.22      | -23.78 | 74         | 41.7   | 31.74    | 9.89   | 33.11  | 201    | 13      | P     | H     |
|                                       |                                                                                             | 5464.66   | 50.39      | -17.81 | 68.2       | 41.84  | 31.76    | 9.9    | 33.11  | 201    | 13      | P     | H     |
|                                       |                                                                                             | 5397.58   | 42.88      | -11.12 | 54         | 34.56  | 31.59    | 9.84   | 33.11  | 201    | 13      | A     | H     |
|                                       | *                                                                                           | 5720      | 119.78     | -      | -          | 110.73 | 32.04    | 10.19  | 33.18  | 201    | 13      | P     | H     |
|                                       | *                                                                                           | 5720      | 111.79     | -      | -          | 102.74 | 32.04    | 10.19  | 33.18  | 201    | 13      | A     | H     |
|                                       |                                                                                             | 5878.25   | 62.12      | -6.08  | 68.2       | 52.55  | 32.41    | 10.39  | 33.23  | 201    | 13      | P     | H     |
|                                       |                                                                                             | 5458.42   | 50.37      | -23.63 | 74         | 41.86  | 31.73    | 9.89   | 33.11  | 300    | 304     | P     | V     |
|                                       |                                                                                             | 5465.83   | 50.87      | -17.33 | 68.2       | 42.32  | 31.76    | 9.9    | 33.11  | 300    | 304     | P     | V     |
|                                       |                                                                                             | 5405.38   | 42.82      | -11.18 | 54         | 34.48  | 31.61    | 9.84   | 33.11  | 300    | 304     | A     | V     |
|                                       | *                                                                                           | 5720      | 122.85     | -      | -          | 113.8  | 32.04    | 10.19  | 33.18  | 300    | 304     | P     | V     |
|                                       | *                                                                                           | 5720      | 114.75     | -      | -          | 105.7  | 32.04    | 10.19  | 33.18  | 300    | 304     | A     | V     |
|                                       |                                                                                             | 5887      | 66.05      | -2.15  | 68.2       | 56.43  | 32.45    | 10.4   | 33.23  | 300    | 304     | P     | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5956      | 60.13      | -8.07      | 68.2       | 50.32      | 32.6           | 10.47     | 33.26          | 201     | 13        | P         | H     |
|                                       |                                                                                             | 11440     | 55.12      | -18.88     | 74         | 60.94      | 39.7           | 15.88     | 61.4           | 200     | 151       | P         | H     |
|                                       |                                                                                             | 11440     | 46.13      | -7.87      | 54         | 51.95      | 39.7           | 15.88     | 61.4           | 200     | 151       | A         | H     |
|                                       |                                                                                             | 17160     | 50.57      | -17.63     | 68.2       | 47.87      | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5968      | 63.53      | -4.67      | 68.2       | 53.71      | 32.6           | 10.48     | 33.26          | 300     | 304       | P         | V     |
|                                       |                                                                                             | 11440     | 55.85      | -18.15     | 74         | 61.67      | 39.7           | 15.88     | 61.4           | 100     | 348       | P         | V     |
|                                       |                                                                                             | 11440     | 47.14      | -6.86      | 54         | 52.96      | 39.7           | 15.88     | 61.4           | 100     | 348       | A         | V     |
|                                       |                                                                                             | 17160     | 50.36      | -17.84     | 68.2       | 47.66      | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5442.43   | 50.44      | -23.56     | 74         | 41.99      | 31.68          | 9.88      | 33.11         | 201     | 13        | P         | H     |
|                                                  |                                                                                             | 5468.56   | 51.26      | -16.94     | 68.2       | 42.7       | 31.77          | 9.9       | 33.11         | 201     | 13        | P         | H     |
|                                                  |                                                                                             | 5397.19   | 42.53      | -11.47     | 54         | 34.22      | 31.58          | 9.84      | 33.11         | 201     | 13        | A         | H     |
|                                                  | *                                                                                           | 5720      | 118.25     | -          | -          | 109.2      | 32.04          | 10.19     | 33.18         | 201     | 13        | P         | H     |
|                                                  | *                                                                                           | 5720      | 110.35     | -          | -          | 101.3      | 32.04          | 10.19     | 33.18         | 201     | 13        | A         | H     |
|                                                  |                                                                                             | 5875      | 59.3       | -8.9       | 68.2       | 49.75      | 32.4           | 10.38     | 33.23         | 201     | 13        | P         | H     |
|                                                  |                                                                                             | 5449.84   | 50.43      | -23.57     | 74         | 41.96      | 31.7           | 9.88      | 33.11         | 300     | 304       | P         | V     |
|                                                  |                                                                                             | 5468.56   | 51.12      | -17.08     | 68.2       | 42.56      | 31.77          | 9.9       | 33.11         | 300     | 304       | P         | V     |
|                                                  |                                                                                             | 5406.55   | 41.3       | -12.7      | 54         | 32.95      | 31.61          | 9.85      | 33.11         | 300     | 304       | A         | V     |
|                                                  | *                                                                                           | 5720      | 121.25     | -          | -          | 112.2      | 32.04          | 10.19     | 33.18         | 300     | 304       | P         | V     |
|                                                  | *                                                                                           | 5720      | 113.28     | -          | -          | 104.23     | 32.04          | 10.19     | 33.18         | 300     | 304       | A         | V     |
|                                                  |                                                                                             | 5887      | 63.75      | -4.45      | 68.2       | 54.13      | 32.45          | 10.4      | 33.23         | 300     | 304       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5968      | 59.86      | -8.34      | 68.2       | 50.04      | 32.6           | 10.48     | 33.26         | 201     | 13        | P         | H     |
|                                                  |                                                                                             | 11440     | 54.2       | -19.8      | 74         | 60.02      | 39.7           | 15.88     | 61.4          | 205     | 149       | P         | H     |
|                                                  |                                                                                             | 11440     | 45.19      | -8.81      | 54         | 51.01      | 39.7           | 15.88     | 61.4          | 205     | 149       | A         | H     |
|                                                  |                                                                                             | 17160     | 51.41      | -16.79     | 68.2       | 48.71      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 5962      | 62.71      | -5.49      | 68.2       | 52.89      | 32.6           | 10.48     | 33.26         | 300     | 304       | P         | V     |
|                                                  |                                                                                             | 11440     | 55.32      | -18.68     | 74         | 61.14      | 39.7           | 15.88     | 61.4          | 100     | 348       | P         | V     |
|                                                  |                                                                                             | 11440     | 46.5       | -7.5       | 54         | 52.32      | 39.7           | 15.88     | 61.4          | 100     | 348       | A         | V     |
|                                                  |                                                                                             | 17160     | 50.12      | -18.08     | 68.2       | 47.42      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5452.57   | 56.97      | -17.03     | 74         | 48.48      | 31.71          | 9.89      | 33.11         | 205     | 282       | P         | H       |
|                                                  |                                                                                             | 5462.32   | 57.01      | -11.19     | 68.2       | 48.47      | 31.75          | 9.9       | 33.11         | 205     | 282       | P         | H       |
|                                                  |                                                                                             | 5457.64   | 50.28      | -3.72      | 54         | 41.77      | 31.73          | 9.89      | 33.11         | 205     | 282       | A         | H       |
|                                                  | *                                                                                           | 5710      | 117.32     | -          | -          | 108.31     | 32.02          | 10.17     | 33.18         | 205     | 282       | P         | H       |
|                                                  | *                                                                                           | 5710      | 108.71     | -          | -          | 99.7       | 32.02          | 10.17     | 33.18         | 205     | 282       | A         | H       |
|                                                  |                                                                                             | 5862.5    | 61.73      | -6.47      | 68.2       | 52.24      | 32.35          | 10.37     | 33.23         | 205     | 282       | P         | H       |
|                                                  |                                                                                             | 5452.57   | 53.95      | -20.05     | 74         | 45.46      | 31.71          | 9.89      | 33.11         | 346     | 304       | P         | V       |
|                                                  |                                                                                             | 5461.54   | 55.43      | -12.77     | 68.2       | 46.89      | 31.75          | 9.9       | 33.11         | 346     | 304       | P         | V       |
|                                                  |                                                                                             | 5456.47   | 48.8       | -5.2       | 54         | 40.29      | 31.73          | 9.89      | 33.11         | 346     | 304       | A         | V       |
|                                                  | *                                                                                           | 5710      | 119.54     | -          | -          | 110.53     | 32.02          | 10.17     | 33.18         | 346     | 304       | P         | V       |
|                                                  | *                                                                                           | 5710      | 111.32     | -          | -          | 102.31     | 32.02          | 10.17     | 33.18         | 346     | 304       | A         | V       |
|                                                  |                                                                                             | 5852      | 64.82      | -3.38      | 68.2       | 55.37      | 32.31          | 10.36     | 33.22         | 346     | 304       | P         | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 11420     | 53.57      | -20.43     | 74         | 59.4       | 39.7           | 15.87     | 61.4           | 220     | 147       | P         | H       |
|                                                  |                                                                                             | 11420     | 44.66      | -9.34      | 54         | 50.49      | 39.7           | 15.87     | 61.4           | 220     | 147       | A         | H       |
|                                                  |                                                                                             | 17130     | 50.45      | -17.75     | 68.2       | 47.99      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | H       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                                  |                                                                                             | 11420     | 55.59      | -18.41     | 74         | 61.42      | 39.7           | 15.87     | 61.4           | 100     | 347       | P         | V       |
|                                                  |                                                                                             | 11420     | 45.89      | -8.11      | 54         | 51.72      | 39.7           | 15.87     | 61.4           | 100     | 347       | A         | V       |
|                                                  |                                                                                             | 17130     | 51.16      | -17.04     | 68.2       | 48.7       | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | V       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5456.86   | 59.78      | -14.22     | 74         | 51.27      | 31.73          | 9.89      | 33.11         | 206     | 283       | P         | H     |
|                                                  |                                                                                             | 5467      | 64.16      | -4.04      | 68.2       | 55.6       | 31.77          | 9.9       | 33.11         | 206     | 283       | P         | H     |
|                                                  |                                                                                             | 5456.86   | 50.99      | -3.01      | 54         | 42.48      | 31.73          | 9.89      | 33.11         | 206     | 283       | A         | H     |
|                                                  | *                                                                                           | 5690      | 111.77     | -          | -          | 102.85     | 31.94          | 10.15     | 33.17         | 206     | 283       | P         | H     |
|                                                  | *                                                                                           | 5690      | 103.82     | -          | -          | 94.9       | 31.94          | 10.15     | 33.17         | 206     | 283       | A         | H     |
|                                                  |                                                                                             | 5854      | 63         | -5.2       | 68.2       | 53.54      | 32.32          | 10.36     | 33.22         | 206     | 283       | P         | H     |
|                                                  |                                                                                             | 5450.62   | 58.47      | -15.53     | 74         | 49.99      | 31.7           | 9.89      | 33.11         | 353     | 302       | P         | V     |
|                                                  |                                                                                             | 5461.15   | 59.04      | -9.16      | 68.2       | 50.51      | 31.74          | 9.9       | 33.11         | 353     | 302       | P         | V     |
|                                                  |                                                                                             | 5456.47   | 50.13      | -3.87      | 54         | 41.62      | 31.73          | 9.89      | 33.11         | 353     | 302       | A         | V     |
|                                                  | *                                                                                           | 5690      | 114.61     | -          | -          | 105.69     | 31.94          | 10.15     | 33.17         | 353     | 302       | P         | V     |
|                                                  | *                                                                                           | 5690      | 107        | -          | -          | 98.08      | 31.94          | 10.15     | 33.17         | 353     | 302       | A         | V     |
|                                                  |                                                                                             | 5857.9    | 66.31      | -1.89      | 68.2       | 56.84      | 32.33          | 10.36     | 33.22         | 353     | 302       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |





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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 11380     | 46.42      | -27.58     | 74         | 52.31      | 39.66          | 15.85     | 61.4           | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 17070     | 47.88      | -20.32     | 68.2       | 45.81      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             | 11380     | 50.16      | -23.84     | 74         | 56.05      | 39.66          | 15.85     | 61.4           | 100     | 348       | P         | V     |
|                                                  |                                                                                             | 11380     | 41.79      | -12.21     | 54         | 47.68      | 39.66          | 15.85     | 61.4           | 100     | 348       | A         | V     |
|                                                  |                                                                                             | 17070     | 47.2       | -21        | 68.2       | 45.13      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | V     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



## Band 2 - 5250~5350MHz

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

| WIFI                        | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                        |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2+3+4                     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 52<br>5260MHz |      | 5105.74   | 56.35      | -17.65 | 74         | 48.04    | 31.81    | 9.62   | 33.12  | 212    | 286     | P       | H       |
|                             |      | 5105.4    | 48.22      | -5.78  | 54         | 39.91    | 31.81    | 9.62   | 33.12  | 212    | 286     | A       | H       |
|                             | *    | 5260      | 120.85     | -      | -          | 112.8    | 31.38    | 9.78   | 33.11  | 212    | 286     | P       | H       |
|                             | *    | 5260      | 113.9      | -      | -          | 105.85   | 31.38    | 9.78   | 33.11  | 212    | 286     | A       | H       |
|                             |      | 5363.52   | 61.01      | -12.99 | 74         | 52.91    | 31.38    | 9.83   | 33.11  | 212    | 286     | P       | H       |
|                             |      | 5352.72   | 51.39      | -2.61  | 54         | 43.36    | 31.32    | 9.82   | 33.11  | 212    | 286     | A       | H       |
|                             |      | 5141.44   | 53.34      | -20.66 | 74         | 44.91    | 31.88    | 9.67   | 33.12  | 349    | 302     | P       | V       |
|                             |      | 5092.48   | 44.97      | -9.03  | 54         | 36.72    | 31.77    | 9.6    | 33.12  | 349    | 302     | A       | V       |
|                             | *    | 5260      | 119.1      | -      | -          | 111.05   | 31.38    | 9.78   | 33.11  | 349    | 302     | P       | V       |
|                             | *    | 5260      | 111.83     | -      | -          | 103.78   | 31.38    | 9.78   | 33.11  | 349    | 302     | A       | V       |
|                             |      | 5413.68   | 60.1       | -13.9  | 74         | 51.73    | 31.63    | 9.85   | 33.11  | 349    | 302     | P       | V       |
|                             |      | 5414.16   | 50.67      | -3.33  | 54         | 42.3     | 31.63    | 9.85   | 33.11  | 349    | 302     | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 802.11a<br>CH 60<br>5300MHz |      | 5147.22   | 53.52      | -20.48 | 74         | 45.07    | 31.89    | 9.68   | 33.12  | 213    | 286     | P       | H       |
|                             |      | 5145.52   | 46.57      | -7.43  | 54         | 38.12    | 31.89    | 9.68   | 33.12  | 213    | 286     | A       | H       |
|                             | *    | 5300      | 121.01     | -      | -          | 113.02   | 31.3     | 9.8    | 33.11  | 213    | 286     | P       | H       |
|                             | *    | 5300      | 113.67     | -      | -          | 105.68   | 31.3     | 9.8    | 33.11  | 213    | 286     | A       | H       |
|                             |      | 5350.32   | 60.51      | -13.49 | 74         | 52.5     | 31.3     | 9.82   | 33.11  | 213    | 286     | P       | H       |
|                             |      | 5385.84   | 52.7       | -1.3   | 54         | 44.46    | 31.52    | 9.83   | 33.11  | 213    | 286     | A       | H       |
|                             |      | 5132.94   | 51.84      | -22.16 | 74         | 43.43    | 31.87    | 9.66   | 33.12  | 362    | 312     | P       | V       |
|                             |      | 5133.28   | 44.01      | -9.99  | 54         | 35.6     | 31.87    | 9.66   | 33.12  | 362    | 312     | A       | V       |
|                             | *    | 5300      | 119.01     | -      | -          | 111.02   | 31.3     | 9.8    | 33.11  | 362    | 312     | P       | V       |
|                             | *    | 5300      | 111.8      | -      | -          | 103.81   | 31.3     | 9.8    | 33.11  | 362    | 312     | A       | V       |
|                             |      | 5453.76   | 58.69      | -15.31 | 74         | 50.19    | 31.72    | 9.89   | 33.11  | 362    | 312     | P       | V       |
|                             |      | 5373.12   | 51.95      | -2.05  | 54         | 43.79    | 31.44    | 9.83   | 33.11  | 362    | 312     | A       | V       |
|                             |      |           |            |        |            |          |          |        |        |        |         |         |         |



|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 117.64 | -      | -  | 109.64 | 31.3  | 9.81 | 33.11 | 200 | 285 | P | H |
|                                                  | *                                                                                           | 5320    | 110.65 | -      | -  | 102.65 | 31.3  | 9.81 | 33.11 | 200 | 285 | A | H |
|                                                  |                                                                                             | 5356.64 | 62.92  | -11.08 | 74 | 54.87  | 31.34 | 9.82 | 33.11 | 200 | 285 | P | H |
|                                                  |                                                                                             | 5350.08 | 52.43  | -1.57  | 54 | 44.42  | 31.3  | 9.82 | 33.11 | 200 | 285 | A | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                  | *                                                                                           | 5320    | 116.14 | -      | -  | 108.14 | 31.3  | 9.81 | 33.11 | 363 | 310 | P | V |
|                                                  | *                                                                                           | 5320    | 108.62 | -      | -  | 100.62 | 31.3  | 9.81 | 33.11 | 363 | 310 | A | V |
|                                                  |                                                                                             | 5354.56 | 57.01  | -16.99 | 74 | 48.97  | 31.33 | 9.82 | 33.11 | 363 | 310 | P | V |
|                                                  |                                                                                             | 5352.64 | 49.88  | -4.12  | 54 | 41.85  | 31.32 | 9.82 | 33.11 | 363 | 310 | A | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                  |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3+4                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11a<br/>CH 52<br/>5260MHz</b> |                                                                                             | 5560      | 61.54      | -6.66      | 68.2       | 52.89      | 31.8           | 9.98      | 33.13         | 100     | 10        | P         | H       |
|                                      |                                                                                             | 10520     | 57.05      | -11.15     | 68.2       | 63.01      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 15780     | 52.57      | -21.43     | 74         | 56.37      | 37.58          | 19        | 60.38         | 197     | 334       | P         | H       |
|                                      |                                                                                             | 15780     | 41.93      | -12.07     | 54         | 45.73      | 37.58          | 19        | 60.38         | 197     | 334       | A         | H       |
|                                      |                                                                                             | 5548      | 63.24      | -4.96      | 68.2       | 54.6       | 31.8           | 9.97      | 33.13         | 221     | 306       | P         | V       |
|                                      |                                                                                             | 10520     | 56.73      | -11.47     | 68.2       | 62.69      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V       |
|                                      |                                                                                             | 15780     | 54.85      | -19.15     | 74         | 58.65      | 37.58          | 19        | 60.38         | 100     | 55        | P         | V       |
|                                      |                                                                                             | 15780     | 43.36      | -10.64     | 54         | 47.16      | 37.58          | 19        | 60.38         | 100     | 55        | A         | V       |
| <b>802.11a<br/>CH 60<br/>5300MHz</b> |                                                                                             | 5596      | 58.41      | -9.79      | 68.2       | 49.73      | 31.8           | 10.02     | 33.14         | 213     | 286       | P         | H       |
|                                      |                                                                                             | 10600     | 58.1       | -15.9      | 74         | 64.08      | 39.7           | 15.4      | 61.08         | 193     | 338       | P         | H       |
|                                      |                                                                                             | 10600     | 47.93      | -6.07      | 54         | 53.91      | 39.7           | 15.4      | 61.08         | 193     | 338       | A         | H       |
|                                      |                                                                                             | 15900     | 47.08      | -26.92     | 74         | 51.11      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 5602      | 61.63      | -6.57      | 68.2       | 52.95      | 31.8           | 10.02     | 33.14         | 362     | 312       | P         | V       |
|                                      |                                                                                             | 10600     | 59.78      | -14.22     | 74         | 65.76      | 39.7           | 15.4      | 61.08         | 105     | 20        | P         | V       |
|                                      |                                                                                             | 10600     | 50.69      | -3.31      | 54         | 56.67      | 39.7           | 15.4      | 61.08         | 105     | 20        | A         | V       |
|                                      |                                                                                             | 15900     | 47.16      | -26.84     | 74         | 51.19      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V       |
| <b>802.11a<br/>CH 64<br/>5320MHz</b> |                                                                                             | 5620      | 54.41      | -13.79     | 68.2       | 45.75      | 31.76          | 10.05     | 33.15         | 200     | 285       | P         | H       |
|                                      |                                                                                             | 10640     | 49.49      | -24.51     | 74         | 55.52      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H       |
|                                      |                                                                                             | 15960     | 42.92      | -31.08     | 74         | 47.05      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H       |
|                                      |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                      |                                                                                             | 5614      | 56.08      | -12.12     | 68.2       | 47.42      | 31.77          | 10.04     | 33.15         | 363     | 310       | P         | V       |
|                                      |                                                                                             | 10640     | 56.54      | -17.46     | 74         | 62.57      | 39.66          | 15.42     | 61.11         | 100     | 21        | P         | V       |
|                                      |                                                                                             | 10640     | 46.71      | -7.29      | 54         | 52.74      | 39.66          | 15.42     | 61.11         | 100     | 21        | A         | V       |
|                                      |                                                                                             | 15960     | 41.94      | -32.06     | 74         | 46.07      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V       |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



## Band 2 5250~5350MHz

## WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI Ant.                             | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |      | 5147.22   | 53.94      | -20.06     | 74         | 45.49      | 31.89          | 9.68      | 33.12         | 216     | 282       | P         | H     |
|                                       |      | 5149.94   | 45.34      | -8.66      | 54         | 36.88      | 31.9           | 9.68      | 33.12         | 216     | 282       | A         | H     |
|                                       | *    | 5260      | 121.26     | -          | -          | 113.21     | 31.38          | 9.78      | 33.11         | 216     | 282       | P         | H     |
|                                       | *    | 5260      | 113.51     | -          | -          | 105.46     | 31.38          | 9.78      | 33.11         | 216     | 282       | A         | H     |
|                                       |      | 5413.68   | 58.64      | -15.36     | 74         | 50.27      | 31.63          | 9.85      | 33.11         | 216     | 282       | P         | H     |
|                                       |      | 5418.48   | 50.4       | -3.6       | 54         | 42.01      | 31.64          | 9.86      | 33.11         | 216     | 282       | A         | H     |
|                                       |      | 5143.48   | 52.41      | -21.59     | 74         | 43.96      | 31.89          | 9.68      | 33.12         | 354     | 313       | P         | V     |
|                                       |      | 5149.94   | 43.88      | -10.12     | 54         | 35.42      | 31.9           | 9.68      | 33.12         | 354     | 313       | A         | V     |
|                                       | *    | 5260      | 118.31     | -          | -          | 110.26     | 31.38          | 9.78      | 33.11         | 354     | 313       | P         | V     |
|                                       | *    | 5260      | 111.07     | -          | -          | 103.02     | 31.38          | 9.78      | 33.11         | 354     | 313       | A         | V     |
|                                       |      | 5417.04   | 57.29      | -16.71     | 74         | 48.91      | 31.63          | 9.86      | 33.11         | 354     | 313       | P         | V     |
|                                       |      | 5426.88   | 49.43      | -4.57      | 54         | 41.03      | 31.65          | 9.86      | 33.11         | 354     | 313       | A         | V     |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |      | 5133.96   | 52.84      | -21.16     | 74         | 44.43      | 31.87          | 9.66      | 33.12         | 200     | 282       | P         | H     |
|                                       |      | 5143.14   | 44.84      | -9.16      | 54         | 36.4       | 31.89          | 9.67      | 33.12         | 200     | 282       | A         | H     |
|                                       | *    | 5300      | 120.41     | -          | -          | 112.42     | 31.3           | 9.8       | 33.11         | 200     | 282       | P         | H     |
|                                       | *    | 5300      | 112.43     | -          | -          | 104.44     | 31.3           | 9.8       | 33.11         | 200     | 282       | A         | H     |
|                                       |      | 5352.48   | 65.27      | -8.73      | 74         | 57.25      | 31.31          | 9.82      | 33.11         | 200     | 282       | P         | H     |
|                                       |      | 5351.04   | 52.54      | -1.46      | 54         | 44.52      | 31.31          | 9.82      | 33.11         | 200     | 282       | A         | H     |
|                                       |      | 5141.78   | 52.56      | -21.44     | 74         | 44.13      | 31.88          | 9.67      | 33.12         | 362     | 313       | P         | V     |
|                                       |      | 5146.54   | 43.45      | -10.55     | 54         | 35         | 31.89          | 9.68      | 33.12         | 362     | 313       | A         | V     |
|                                       | *    | 5300      | 117.98     | -          | -          | 109.99     | 31.3           | 9.8       | 33.11         | 362     | 313       | P         | V     |
|                                       | *    | 5300      | 109.94     | -          | -          | 101.95     | 31.3           | 9.8       | 33.11         | 362     | 313       | A         | V     |
|                                       |      | 5358.72   | 58.8       | -15.2      | 74         | 50.74      | 31.35          | 9.82      | 33.11         | 362     | 313       | P         | V     |
|                                       |      | 5376.72   | 50.49      | -3.51      | 54         | 42.31      | 31.46          | 9.83      | 33.11         | 362     | 313       | A         | V     |



|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 116.66 | -      | -  | 108.66 | 31.3  | 9.81 | 33.11 | 220 | 282 | P | H |
|                                                                   | *                                                                                           | 5320    | 108.22 | -      | -  | 100.22 | 31.3  | 9.81 | 33.11 | 220 | 282 | A | H |
|                                                                   |                                                                                             | 5350.72 | 61.75  | -12.25 | 74 | 53.74  | 31.3  | 9.82 | 33.11 | 220 | 282 | P | H |
|                                                                   |                                                                                             | 5353.12 | 51.36  | -2.64  | 54 | 43.33  | 31.32 | 9.82 | 33.11 | 220 | 282 | A | H |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                   | *                                                                                           | 5320    | 114.3  | -      | -  | 106.3  | 31.3  | 9.81 | 33.11 | 361 | 311 | P | V |
|                                                                   | *                                                                                           | 5320    | 106.31 | -      | -  | 98.31  | 31.3  | 9.81 | 33.11 | 361 | 311 | A | V |
|                                                                   |                                                                                             | 5352.16 | 67.12  | -6.88  | 74 | 59.1   | 31.31 | 9.82 | 33.11 | 361 | 311 | P | V |
|                                                                   |                                                                                             | 5351.36 | 49.94  | -4.06  | 54 | 41.92  | 31.31 | 9.82 | 33.11 | 361 | 311 | A | V |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |                                                                                             | 5560      | 57.87      | -10.33     | 68.2       | 49.22      | 31.8           | 9.98      | 33.13         | 216     | 282       | P         | H     |
|                                       |                                                                                             | 10520     | 54.83      | -13.37     | 68.2       | 60.79      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15780     | 54.2       | -19.8      | 74         | 58         | 37.58          | 19        | 60.38         | 203     | 331       | P         | H     |
|                                       |                                                                                             | 15780     | 44.07      | -9.93      | 54         | 47.87      | 37.58          | 19        | 60.38         | 203     | 331       | A         | H     |
|                                       |                                                                                             | 5560      | 60.73      | -7.47      | 68.2       | 52.08      | 31.8           | 9.98      | 33.13         | 354     | 313       | P         | V     |
|                                       |                                                                                             | 10520     | 57.44      | -10.76     | 68.2       | 63.4       | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15780     | 53.09      | -20.91     | 74         | 56.89      | 37.58          | 19        | 60.38         | 100     | 44        | P         | V     |
|                                       |                                                                                             | 15780     | 43.78      | -10.22     | 54         | 47.58      | 37.58          | 19        | 60.38         | 100     | 44        | A         | V     |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |                                                                                             | 5602      | 56.12      | -12.08     | 68.2       | 47.44      | 31.8           | 10.02     | 33.14         | 200     | 282       | P         | H     |
|                                       |                                                                                             | 10600     | 59.98      | -14.02     | 74         | 65.96      | 39.7           | 15.4      | 61.08         | 199     | 339       | P         | H     |
|                                       |                                                                                             | 10600     | 49.75      | -4.25      | 54         | 55.73      | 39.7           | 15.4      | 61.08         | 199     | 339       | A         | H     |
|                                       |                                                                                             | 15900     | 46.59      | -27.41     | 74         | 50.62      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5530      | 58.38      | -9.82      | 68.2       | 49.7       | 31.84          | 9.96      | 33.12         | 362     | 313       | P         | V     |
|                                       |                                                                                             | 10600     | 59.41      | -14.59     | 74         | 65.39      | 39.7           | 15.4      | 61.08         | 107     | 20        | P         | V     |
|                                       |                                                                                             | 10600     | 49.69      | -4.31      | 54         | 55.67      | 39.7           | 15.4      | 61.08         | 107     | 20        | A         | V     |
|                                       |                                                                                             | 15900     | 46.64      | -27.36     | 74         | 50.67      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 64<br>5320MHz |                                                                                             | 5614      | 55.02      | -13.18     | 68.2       | 46.36      | 31.77          | 10.04     | 33.15         | 220     | 282       | P         | H     |
|                                       |                                                                                             | 10640     | 49.45      | -24.55     | 74         | 55.48      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15960     | 42.42      | -31.58     | 74         | 46.55      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5620      | 58.92      | -9.28      | 68.2       | 50.26      | 31.76          | 10.05     | 33.15         | 361     | 311       | P         | V     |
|                                       |                                                                                             | 10640     | 54.2       | -19.8      | 74         | 60.23      | 39.66          | 15.42     | 61.11         | 100     | 20        | P         | V     |
|                                       |                                                                                             | 10640     | 44.77      | -9.23      | 54         | 50.8       | 39.66          | 15.42     | 61.11         | 100     | 20        | A         | V     |
|                                       |                                                                                             | 15960     | 42.6       | -31.4      | 74         | 46.73      | 37.02          | 19.08     | 60.23         | 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 VHT40 (Band Edge @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5108.12   | 54.08      | -19.92     | 74         | 45.76      | 31.82          | 9.62      | 33.12         | 229     | 280       | P         | H     |
|                                       |                                                                                             | 5118.32   | 46.99      | -7.01      | 54         | 38.63      | 31.84          | 9.64      | 33.12         | 229     | 280       | A         | H     |
|                                       | *                                                                                           | 5270      | 114.38     | -          | -          | 106.34     | 31.36          | 9.79      | 33.11         | 229     | 280       | P         | H     |
|                                       | *                                                                                           | 5270      | 107.21     | -          | -          | 99.17      | 31.36          | 9.79      | 33.11         | 229     | 280       | A         | H     |
|                                       |                                                                                             | 5438.16   | 59.91      | -14.09     | 74         | 51.47      | 31.68          | 9.87      | 33.11         | 229     | 280       | P         | H     |
|                                       |                                                                                             | 5438.4    | 52.8       | -1.2       | 54         | 44.36      | 31.68          | 9.87      | 33.11         | 229     | 280       | A         | H     |
|                                       |                                                                                             | 5121.04   | 52.93      | -21.07     | 74         | 44.57      | 31.84          | 9.64      | 33.12         | 368     | 306       | P         | V     |
|                                       |                                                                                             | 5116.62   | 46.25      | -7.75      | 54         | 37.91      | 31.83          | 9.63      | 33.12         | 368     | 306       | A         | V     |
|                                       | *                                                                                           | 5270      | 111.91     | -          | -          | 103.87     | 31.36          | 9.79      | 33.11         | 368     | 306       | P         | V     |
|                                       | *                                                                                           | 5270      | 105.67     | -          | -          | 97.63      | 31.36          | 9.79      | 33.11         | 368     | 306       | A         | V     |
|                                       |                                                                                             | 5421.84   | 59.92      | -14.08     | 74         | 51.53      | 31.64          | 9.86      | 33.11         | 368     | 306       | P         | V     |
|                                       |                                                                                             | 5421.84   | 52.69      | -1.31      | 54         | 44.3       | 31.64          | 9.86      | 33.11         | 368     | 306       | P         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5147.56   | 51.43      | -22.57     | 74         | 42.97      | 31.9           | 9.68      | 33.12         | 225     | 280       | P         | H     |
|                                       |                                                                                             | 5143.14   | 44.7       | -9.3       | 54         | 36.26      | 31.89          | 9.67      | 33.12         | 225     | 280       | A         | H     |
|                                       | *                                                                                           | 5310      | 111.26     | -          | -          | 103.27     | 31.3           | 9.8       | 33.11         | 225     | 280       | P         | H     |
|                                       | *                                                                                           | 5310      | 103.2      | -          | -          | 95.21      | 31.3           | 9.8       | 33.11         | 225     | 280       | A         | H     |
|                                       |                                                                                             | 5351.28   | 59.65      | -14.35     | 74         | 51.63      | 31.31          | 9.82      | 33.11         | 225     | 280       | P         | H     |
|                                       |                                                                                             | 5353.2    | 52.87      | -1.13      | 54         | 44.84      | 31.32          | 9.82      | 33.11         | 225     | 280       | P         | H     |
|                                       |                                                                                             | 5142.12   | 50.35      | -23.65     | 74         | 41.92      | 31.88          | 9.67      | 33.12         | 360     | 304       | P         | V     |
|                                       |                                                                                             | 5141.78   | 43.41      | -10.59     | 54         | 34.98      | 31.88          | 9.67      | 33.12         | 360     | 304       | A         | V     |
|                                       | *                                                                                           | 5310      | 108.09     | -          | -          | 100.1      | 31.3           | 9.8       | 33.11         | 360     | 304       | P         | V     |
|                                       | *                                                                                           | 5310      | 101.23     | -          | -          | 93.24      | 31.3           | 9.8       | 33.11         | 360     | 304       | A         | V     |
|                                       |                                                                                             | 5456.88   | 56.01      | -17.99     | 74         | 47.5       | 31.73          | 9.89      | 33.11         | 360     | 304       | P         | V     |
|                                       |                                                                                             | 5351.28   | 50.16      | -3.84      | 54         | 42.14      | 31.31          | 9.82      | 33.11         | 360     | 304       | 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 VHT40 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5512      | 56.35      | -11.85     | 68.2       | 47.64      | 31.88          | 9.94      | 33.11         | 229     | 280       | P         | H     |
|                                       |                                                                                             | 10540     | 47.75      | -20.45     | 68.2       | 53.71      | 39.7           | 15.37     | 61.03         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15810     | 43.07      | -30.93     | 74         | 46.85      | 37.56          | 19.01     | 60.35         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5524      | 56.39      | -11.81     | 68.2       | 47.71      | 31.85          | 9.95      | 33.12         | 368     | 306       | P         | V     |
|                                       |                                                                                             | 10540     | 51.2       | -17        | 68.2       | 57.16      | 39.7           | 15.37     | 61.03         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15810     | 44.62      | -29.38     | 74         | 48.4       | 37.56          | 19.01     | 60.35         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5464      | 56.64      | -11.56     | 68.2       | 48.09      | 31.76          | 9.9       | 33.11         | 225     | 280       | P         | H     |
|                                       |                                                                                             | 10620     | 46.91      | -27.09     | 74         | 52.92      | 39.68          | 15.41     | 61.1          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15930     | 41.92      | -32.08     | 74         | 46.01      | 37.11          | 19.06     | 60.26         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5464      | 58.77      | -9.43      | 68.2       | 50.22      | 31.76          | 9.9       | 33.11         | 360     | 304       | P         | V     |
|                                       |                                                                                             | 10620     | 46.21      | -27.79     | 74         | 52.22      | 39.68          | 15.41     | 61.1          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15930     | 42.75      | -31.25     | 74         | 46.84      | 37.11          | 19.06     | 60.26         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5085.5    | 51.55      | -22.45     | 74         | 43.34      | 31.74          | 9.59      | 33.12         | 218     | 280       | P         | H     |
|                                       |                                                                                             | 5143.4    | 44.01      | -9.99      | 54         | 35.56      | 31.89          | 9.68      | 33.12         | 218     | 280       | A         | H     |
|                                       | *                                                                                           | 5290      | 107.99     | -          | -          | 99.98      | 31.32          | 9.8       | 33.11         | 218     | 280       | P         | H     |
|                                       | *                                                                                           | 5290      | 100.65     | -          | -          | 92.64      | 31.32          | 9.8       | 33.11         | 218     | 280       | A         | H     |
|                                       |                                                                                             | 5353.92   | 63.25      | -10.75     | 74         | 55.22      | 31.32          | 9.82      | 33.11         | 218     | 280       | P         | H     |
|                                       |                                                                                             | 5354.4    | 52.34      | -1.66      | 54         | 44.3       | 31.33          | 9.82      | 33.11         | 218     | 280       | P         | H     |
|                                       |                                                                                             | 5145.5    | 50.93      | -23.07     | 74         | 42.48      | 31.89          | 9.68      | 33.12         | 382     | 306       | P         | V     |
|                                       |                                                                                             | 5146.7    | 43.43      | -10.57     | 54         | 34.98      | 31.89          | 9.68      | 33.12         | 382     | 306       | A         | V     |
|                                       | *                                                                                           | 5290      | 106.07     | -          | -          | 98.06      | 31.32          | 9.8       | 33.11         | 382     | 306       | P         | V     |
|                                       | *                                                                                           | 5290      | 98.97      | -          | -          | 90.96      | 31.32          | 9.8       | 33.11         | 382     | 306       | A         | V     |
|                                       |                                                                                             | 5352.96   | 61.09      | -12.91     | 74         | 53.06      | 31.32          | 9.82      | 33.11         | 382     | 306       | P         | V     |
|                                       |                                                                                             | 5351.76   | 51.75      | -2.25      | 54         | 43.73      | 31.31          | 9.82      | 33.11         | 382     | 306       | 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.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 10580     | 44.81      | -23.39     | 68.2       | 50.79      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15870     | 44.01      | -29.99     | 74         | 47.95      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 10580     | 45.67      | -22.53     | 68.2       | 51.65      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15870     | 42.95      | -31.05     | 74         | 46.89      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - 5470~5725MHz**

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

| WIFI                                  | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3+4                               |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |      | 5455.92   | 57.61      | -16.39 | 74         | 49.11  | 31.72    | 9.89   | 33.11  | 100    | 29      | P     | H     |
|                                       |      | 5464.24   | 61.22      | -6.98  | 68.2       | 52.67  | 31.76    | 9.9    | 33.11  | 100    | 29      | P     | H     |
|                                       |      | 5416.24   | 48.35      | -5.65  | 54         | 39.98  | 31.63    | 9.85   | 33.11  | 100    | 29      | A     | H     |
|                                       | *    | 5500      | 116.66     | -      | -          | 107.94 | 31.9     | 9.93   | 33.11  | 100    | 29      | P     | H     |
|                                       | *    | 5500      | 108.75     | -      | -          | 100.03 | 31.9     | 9.93   | 33.11  | 100    | 29      | A     | H     |
|                                       |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                       |      | 5413.84   | 57.13      | -16.87 | 74         | 48.76  | 31.63    | 9.85   | 33.11  | 290    | 300     | P     | V     |
|                                       |      | 5470      | 65.19      | -3.01  | 68.2       | 56.62  | 31.78    | 9.9    | 33.11  | 290    | 300     | P     | V     |
|                                       |      | 5412.72   | 48.77      | -5.23  | 54         | 40.4   | 31.63    | 9.85   | 33.11  | 290    | 300     | A     | V     |
|                                       | *    | 5500      | 116.57     | -      | -          | 107.85 | 31.9     | 9.93   | 33.11  | 290    | 300     | P     | V     |
|                                       | *    | 5500      | 109.37     | -      | -          | 100.65 | 31.9     | 9.93   | 33.11  | 290    | 300     | A     | V     |
|                                       |      |           |            |        |            |        |          |        |        |        |         |       | V     |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |      | 5415.76   | 59.69      | -14.31 | 74         | 51.32  | 31.63    | 9.85   | 33.11  | 100    | 34      | P     | H     |
|                                       |      | 5464.96   | 52.75      | -15.45 | 68.2       | 44.2   | 31.76    | 9.9    | 33.11  | 100    | 34      | P     | H     |
|                                       |      | 5415.76   | 52.44      | -1.56  | 54         | 44.07  | 31.63    | 9.85   | 33.11  | 100    | 34      | A     | H     |
|                                       | *    | 5580      | 119.77     | -      | -          | 111.11 | 31.8     | 10     | 33.14  | 100    | 34      | P     | H     |
|                                       | *    | 5580      | 112.85     | -      | -          | 104.19 | 31.8     | 10     | 33.14  | 100    | 34      | A     | H     |
|                                       |      | 5736.65   | 63.88      | -4.32  | 68.2       | 54.79  | 32.07    | 10.21  | 33.19  | 100    | 34      | P     | H     |
|                                       |      | 5412.4    | 60.14      | -13.86 | 74         | 51.78  | 31.62    | 9.85   | 33.11  | 283    | 301     | P     | V     |
|                                       |      | 5468.56   | 54.68      | -13.52 | 68.2       | 46.12  | 31.77    | 9.9    | 33.11  | 283    | 301     | P     | V     |
|                                       |      | 5412.4    | 52.62      | -1.38  | 54         | 44.26  | 31.62    | 9.85   | 33.11  | 283    | 301     | A     | V     |
|                                       | *    | 5580      | 121.22     | -      | -          | 112.56 | 31.8     | 10     | 33.14  | 283    | 301     | P     | V     |
|                                       | *    | 5580      | 114.17     | -      | -          | 105.51 | 31.8     | 10     | 33.14  | 283    | 301     | A     | V     |
|                                       |      | 5733.5    | 67.16      | -1.04  | 68.2       | 58.06  | 32.07    | 10.21  | 33.18  | 283    | 301     | P     | V     |



|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   |   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 115.56 | -     | -    | 106.57 | 32    | 10.16 | 33.17 | 100 | 46  | P | H |
|                                                   | *                                                                                           | 5700    | 107.31 | -     | -    | 98.32  | 32    | 10.16 | 33.17 | 100 | 46  | A | H |
|                                                   |                                                                                             | 5725.32 | 63.75  | -4.45 | 68.2 | 54.68  | 32.05 | 10.2  | 33.18 | 100 | 46  | P | H |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                   | *                                                                                           | 5700    | 115.53 | -     | -    | 106.54 | 32    | 10.16 | 33.17 | 272 | 300 | P | V |
|                                                   | *                                                                                           | 5700    | 108.7  | -     | -    | 99.71  | 32    | 10.16 | 33.17 | 272 | 300 | A | V |
|                                                   |                                                                                             | 5730.36 | 67.09  | -1.11 | 68.2 | 58.01  | 32.06 | 10.2  | 33.18 | 272 | 300 | P | V |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
| <b>Remark</b>                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |      |        |       |       |       |     |     |   |   |
|                                                   |                                                                                             |         |        |       |      |        |       |       |       |     |     |   |   |



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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 100<br/>5500MHz</b> |                                                                                             | 5656      | 61.69      | -6.51      | 68.2       | 53.01      | 31.74          | 10.1      | 33.16          | 100     | 29        | P         | H     |
|                                       |                                                                                             | 11000     | 52.48      | -21.52     | 74         | 58.26      | 40             | 15.62     | 61.4           | 236     | 341       | P         | H     |
|                                       |                                                                                             | 11000     | 42.06      | -11.94     | 54         | 47.84      | 40             | 15.62     | 61.4           | 236     | 341       | A         | H     |
|                                       |                                                                                             | 16500     | 43.82      | -24.38     | 68.2       | 45.07      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5650      | 63.48      | -4.72      | 68.2       | 54.85      | 31.7           | 10.09     | 33.16          | 290     | 300       | P         | V     |
|                                       |                                                                                             | 11000     | 51.78      | -22.22     | 74         | 57.56      | 40             | 15.62     | 61.4           | 100     | 5         | P         | V     |
|                                       |                                                                                             | 11000     | 41.57      | -12.43     | 54         | 47.35      | 40             | 15.62     | 61.4           | 100     | 5         | A         | V     |
|                                       |                                                                                             | 16500     | 44.05      | -24.15     | 68.2       | 45.3       | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V     |
| <b>802.11a<br/>CH 116<br/>5580MHz</b> |                                                                                             | 5806      | 61.21      | -6.99      | 68.2       | 51.9       | 32.21          | 10.31     | 33.21          | 100     | 34        | P         | H     |
|                                       |                                                                                             | 11160     | 61.05      | -12.95     | 74         | 67.25      | 39.48          | 15.72     | 61.4           | 239     | 232       | P         | H     |
|                                       |                                                                                             | 11160     | 52.11      | -1.89      | 54         | 58.31      | 39.48          | 15.72     | 61.4           | 239     | 232       | A         | H     |
|                                       |                                                                                             | 16740     | 55.21      | -12.99     | 68.2       | 54.8       | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5812      | 64.63      | -3.57      | 68.2       | 55.31      | 32.22          | 10.31     | 33.21          | 283     | 301       | P         | V     |
|                                       |                                                                                             | 11160     | 59.03      | -14.97     | 74         | 65.23      | 39.48          | 15.72     | 61.4           | 100     | 205       | P         | V     |
|                                       |                                                                                             | 11160     | 50.54      | -3.46      | 54         | 56.74      | 39.48          | 15.72     | 61.4           | 100     | 205       | A         | V     |
|                                       |                                                                                             | 16740     | 56.86      | -11.34     | 68.2       | 56.45      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V     |
| <b>802.11a<br/>CH 140<br/>5700MHz</b> |                                                                                             | 5854      | 59         | -9.2       | 68.2       | 49.54      | 32.32          | 10.36     | 33.22          | 100     | 46        | P         | H     |
|                                       |                                                                                             | 5944      | 56.89      | -11.31     | 68.2       | 47.09      | 32.59          | 10.46     | 33.25          | 100     | 46        | P         | H     |
|                                       |                                                                                             | 11400     | 47.19      | -26.81     | 74         | 53.03      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 17100     | 46.77      | -21.43     | 68.2       | 44.53      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5854      | 60.05      | -8.15      | 68.2       | 50.59      | 32.32          | 10.36     | 33.22          | 272     | 300       | P         | V     |
|                                       |                                                                                             | 5932      | 57.79      | -10.41     | 68.2       | 48.03      | 32.56          | 10.45     | 33.25          | 272     | 300       | P         | V     |
|                                       |                                                                                             | 11400     | 48.54      | -25.46     | 74         | 54.38      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V     |
|                                       |                                                                                             | 17100     | 46.58      | -21.62     | 68.2       | 44.34      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                                                          | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                                                            |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 100</b><br><b>5500MHz</b> |      | 5457.36   | 62.35      | -11.65     | 74         | 53.84      | 31.73          | 9.89      | 33.11         | 116     | 34        | P         | H     |
|                                                                    |      | 5469.2    | 66.92      | -1.28      | 68.2       | 58.35      | 31.78          | 9.9       | 33.11         | 116     | 34        | P         | H     |
|                                                                    |      | 5458.96   | 49.5       | -4.5       | 54         | 40.98      | 31.74          | 9.89      | 33.11         | 116     | 34        | A         | H     |
|                                                                    | *    | 5500      | 114.2      | -          | -          | 105.48     | 31.9           | 9.93      | 33.11         | 116     | 34        | P         | H     |
|                                                                    | *    | 5500      | 103.49     | -          | -          | 94.77      | 31.9           | 9.93      | 33.11         | 116     | 34        | A         | H     |
|                                                                    |      |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                                                    |      | 5460.08   | 59.38      | -8.82      | 68.2       | 50.86      | 31.74          | 9.89      | 33.11         | 286     | 300       | P         | V     |
|                                                                    |      | 5466.32   | 66.98      | -1.22      | 68.2       | 58.42      | 31.77          | 9.9       | 33.11         | 286     | 300       | P         | V     |
|                                                                    |      | 5456.4    | 47.31      | -6.69      | 54         | 38.8       | 31.73          | 9.89      | 33.11         | 286     | 300       | A         | V     |
|                                                                    | *    | 5500      | 115.7      | -          | -          | 106.98     | 31.9           | 9.93      | 33.11         | 286     | 300       | P         | V     |
|                                                                    | *    | 5500      | 105        | -          | -          | 96.28      | 31.9           | 9.93      | 33.11         | 286     | 300       | A         | V     |
|                                                                    |      |           |            |            |            |            |                |           |               |         |           |           | V     |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 116</b><br><b>5580MHz</b> |      | 5422      | 59.05      | -14.95     | 74         | 50.66      | 31.64          | 9.86      | 33.11         | 100     | 34        | P         | H     |
|                                                                    |      | 5467.12   | 52.69      | -15.51     | 68.2       | 44.13      | 31.77          | 9.9       | 33.11         | 100     | 34        | P         | H     |
|                                                                    |      | 5422.24   | 52.14      | -1.86      | 54         | 43.75      | 31.64          | 9.86      | 33.11         | 100     | 34        | A         | H     |
|                                                                    | *    | 5580      | 118.88     | -          | -          | 110.22     | 31.8           | 10        | 33.14         | 100     | 34        | P         | H     |
|                                                                    | *    | 5580      | 111.6      | -          | -          | 102.94     | 31.8           | 10        | 33.14         | 100     | 34        | A         | H     |
|                                                                    |      | 5742.32   | 62.47      | -5.73      | 68.2       | 53.36      | 32.08          | 10.22     | 33.19         | 100     | 34        | P         | H     |
|                                                                    |      | 5426.32   | 59.55      | -14.45     | 74         | 51.15      | 31.65          | 9.86      | 33.11         | 295     | 302       | P         | V     |
|                                                                    |      | 5464.72   | 52.17      | -16.03     | 68.2       | 43.62      | 31.76          | 9.9       | 33.11         | 295     | 302       | P         | V     |
|                                                                    |      | 5426.32   | 51.96      | -2.04      | 54         | 43.56      | 31.65          | 9.86      | 33.11         | 295     | 302       | A         | V     |
|                                                                    | *    | 5580      | 120.45     | -          | -          | 111.79     | 31.8           | 10        | 33.14         | 295     | 302       | P         | V     |
|                                                                    | *    | 5580      | 113.26     | -          | -          | 104.6      | 31.8           | 10        | 33.14         | 295     | 302       | A         | V     |
|                                                                    |      | 5736.65   | 64.86      | -3.34      | 68.2       | 55.77      | 32.07          | 10.21     | 33.19         | 295     | 302       | P         | V     |



|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 110.97 | -     | -    | 101.98 | 32    | 10.16 | 33.17 | 112 | 45  | P | H |
|                                                                    | *                                                                                           | 5700    | 103.93 | -     | -    | 94.94  | 32    | 10.16 | 33.17 | 112 | 45  | A | H |
|                                                                    |                                                                                             | 5727.24 | 64.3   | -3.9  | 68.2 | 55.23  | 32.05 | 10.2  | 33.18 | 112 | 45  | P | H |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | H |
|                                                                    | *                                                                                           | 5700    | 114.01 | -     | -    | 105.02 | 32    | 10.16 | 33.17 | 269 | 301 | P | V |
|                                                                    | *                                                                                           | 5700    | 106.22 | -     | -    | 97.23  | 32    | 10.16 | 33.17 | 269 | 301 | A | V |
|                                                                    |                                                                                             | 5726.36 | 67.16  | -1.04 | 68.2 | 58.09  | 32.05 | 10.2  | 33.18 | 269 | 301 | P | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   | V |
| <b>Remark</b>                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |      |        |       |       |       |     |     |   |   |
|                                                                    |                                                                                             |         |        |       |      |        |       |       |       |     |     |   |   |





**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |                                                                                             | 5656      | 59.83      | -8.37      | 68.2       | 51.15      | 31.74          | 10.1      | 33.16         | 116     | 34        | P         | H       |
|                                        |                                                                                             | 5734      | 60.01      | -8.19      | 68.2       | 50.91      | 32.07          | 10.21     | 33.18         | 116     | 34        | P         | H       |
|                                        |                                                                                             | 11000     | 48.33      | -25.67     | 74         | 54.11      | 40             | 15.62     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16500     | 44.71      | -23.49     | 68.2       | 45.96      | 38.7           | 19.55     | 59.5          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 5656      | 63.69      | -4.51      | 68.2       | 55.01      | 31.74          | 10.1      | 33.16         | 286     | 300       | P         | V       |
|                                        |                                                                                             | 5734      | 60.56      | -7.64      | 68.2       | 51.46      | 32.07          | 10.21     | 33.18         | 286     | 300       | P         | V       |
|                                        |                                                                                             | 11000     | 49.93      | -24.07     | 74         | 55.71      | 40             | 15.62     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16500     | 44.56      | -23.64     | 68.2       | 45.81      | 38.7           | 19.55     | 59.5          | 100     | 0         | P         | V       |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |                                                                                             | 5818      | 63.06      | -5.14      | 68.2       | 53.71      | 32.24          | 10.32     | 33.21         | 100     | 34        | P         | H       |
|                                        |                                                                                             | 11160     | 54.87      | -19.13     | 74         | 61.07      | 39.48          | 15.72     | 61.4          | 239     | 344       | P         | H       |
|                                        |                                                                                             | 11160     | 45.43      | -8.57      | 54         | 51.63      | 39.48          | 15.72     | 61.4          | 239     | 344       | A         | H       |
|                                        |                                                                                             | 16740     | 47.37      | -20.83     | 68.2       | 46.96      | 39.56          | 19.77     | 58.92         | 100     | 0         | P         | H       |
|                                        |                                                                                             | 5818      | 64.41      | -3.79      | 68.2       | 55.06      | 32.24          | 10.32     | 33.21         | 295     | 302       | P         | V       |
|                                        |                                                                                             | 11160     | 53.45      | -20.55     | 74         | 59.65      | 39.48          | 15.72     | 61.4          | 100     | 3         | P         | V       |
|                                        |                                                                                             | 11160     | 43.69      | -10.31     | 54         | 49.89      | 39.48          | 15.72     | 61.4          | 100     | 3         | A         | V       |
|                                        |                                                                                             | 16740     | 48.02      | -20.18     | 68.2       | 47.61      | 39.56          | 19.77     | 58.92         | 100     | 0         | P         | V       |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |                                                                                             | 5860      | 56.41      | -11.79     | 68.2       | 46.93      | 32.34          | 10.37     | 33.23         | 112     | 45        | P         | H       |
|                                        |                                                                                             | 11400     | 46.47      | -27.53     | 74         | 52.31      | 39.7           | 15.86     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17100     | 46.7       | -21.5      | 68.2       | 44.46      | 40.1           | 20.1      | 57.96         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5860      | 58.29      | -9.91      | 68.2       | 48.81      | 32.34          | 10.37     | 33.23         | 269     | 301       | P         | V       |
|                                        |                                                                                             | 5944      | 59.53      | -8.67      | 68.2       | 49.73      | 32.59          | 10.46     | 33.25         | 269     | 301       | P         | V       |
|                                        |                                                                                             | 11400     | 47.3       | -26.7      | 74         | 53.14      | 39.7           | 15.86     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17100     | 47.78      | -20.42     | 68.2       | 45.54      | 40.1           | 20.1      | 57.96         | 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 VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                                          | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3+4                                                            |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 102</b><br><b>5510MHz</b> |      | 5454.88   | 61.25      | -12.75     | 74         | 52.75      | 31.72          | 9.89      | 33.11         | 100     | 34        | P         | H       |
|                                                                    |      | 5464.48   | 66.85      | -1.35      | 68.2       | 58.3       | 31.76          | 9.9       | 33.11         | 100     | 34        | P         | H       |
|                                                                    |      | 5459.68   | 52.12      | -1.88      | 54         | 43.6       | 31.74          | 9.89      | 33.11         | 100     | 34        | A         | H       |
|                                                                    | *    | 5510      | 111.99     | -          | -          | 103.28     | 31.88          | 9.94      | 33.11         | 100     | 34        | P         | H       |
|                                                                    | *    | 5510      | 103.92     | -          | -          | 95.21      | 31.88          | 9.94      | 33.11         | 100     | 34        | A         | H       |
|                                                                    |      | 5744.525  | 54.78      | -13.42     | 68.2       | 45.66      | 32.09          | 10.22     | 33.19         | 100     | 34        | P         | H       |
|                                                                    |      | 5452      | 63.15      | -10.85     | 74         | 54.66      | 31.71          | 9.89      | 33.11         | 286     | 301       | P         | V       |
|                                                                    |      | 5461.6    | 66.96      | -1.24      | 68.2       | 58.42      | 31.75          | 9.9       | 33.11         | 286     | 301       | P         | V       |
|                                                                    |      | 5456.56   | 52.66      | -1.34      | 54         | 44.15      | 31.73          | 9.89      | 33.11         | 286     | 301       | A         | V       |
|                                                                    | *    | 5510      | 112.84     | -          | -          | 104.13     | 31.88          | 9.94      | 33.11         | 286     | 301       | P         | V       |
|                                                                    | *    | 5510      | 104.99     | -          | -          | 96.28      | 31.88          | 9.94      | 33.11         | 286     | 301       | A         | V       |
|                                                                    |      | 5736.65   | 57.76      | -10.44     | 68.2       | 48.67      | 32.07          | 10.21     | 33.19         | 286     | 301       | P         | V       |
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 110</b><br><b>5550MHz</b> |      | 5456.32   | 61.79      | -12.21     | 74         | 53.28      | 31.73          | 9.89      | 33.11         | 100     | 34        | P         | H       |
|                                                                    |      | 5469.52   | 63.29      | -4.91      | 68.2       | 54.72      | 31.78          | 9.9       | 33.11         | 100     | 34        | P         | H       |
|                                                                    |      | 5459.44   | 50.5       | -3.5       | 54         | 41.98      | 31.74          | 9.89      | 33.11         | 100     | 34        | A         | H       |
|                                                                    | *    | 5550      | 114.98     | -          | -          | 106.33     | 31.8           | 9.98      | 33.13         | 100     | 34        | P         | H       |
|                                                                    | *    | 5550      | 108        | -          | -          | 99.35      | 31.8           | 9.98      | 33.13         | 100     | 34        | A         | H       |
|                                                                    |      | 5727.83   | 60.43      | -7.77      | 68.2       | 51.35      | 32.06          | 10.2      | 33.18         | 100     | 34        | P         | H       |
|                                                                    |      | 5441.92   | 62.01      | -11.99     | 74         | 53.56      | 31.68          | 9.88      | 33.11         | 285     | 299       | P         | V       |
|                                                                    |      | 5466.4    | 66.96      | -1.24      | 68.2       | 58.4       | 31.77          | 9.9       | 33.11         | 285     | 299       | P         | V       |
|                                                                    |      | 5456.32   | 51.51      | -2.49      | 54         | 43         | 31.73          | 9.89      | 33.11         | 285     | 299       | A         | V       |
|                                                                    | *    | 5550      | 116.33     | -          | -          | 107.68     | 31.8           | 9.98      | 33.13         | 285     | 299       | P         | V       |
|                                                                    | *    | 5550      | 109.64     | -          | -          | 100.99     | 31.8           | 9.98      | 33.13         | 285     | 299       | A         | V       |
|                                                                    |      | 5726.57   | 61.71      | -6.49      | 68.2       | 52.64      | 32.05          | 10.2      | 33.18         | 285     | 299       | P         | V       |



|                                                                                |                                                                                             |          |        |        |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><br><b>VHT40</b><br><br><b>CH 134</b><br><br><b>5670MHz</b> |                                                                                             | 5437.15  | 50.91  | -23.09 | 74   | 42.48  | 31.67 | 9.87  | 33.11 | 100 | 34  | P | H |
|                                                                                |                                                                                             | 5463.05  | 49.39  | -18.81 | 68.2 | 40.85  | 31.75 | 9.9   | 33.11 | 100 | 34  | P | H |
|                                                                                |                                                                                             | 5427     | 43.43  | -10.57 | 54   | 35.03  | 31.65 | 9.86  | 33.11 | 100 | 34  | A | H |
|                                                                                | *                                                                                           | 5670     | 111.26 | -      | -    | 102.48 | 31.82 | 10.12 | 33.16 | 100 | 34  | P | H |
|                                                                                | *                                                                                           | 5670     | 103.63 | -      | -    | 94.85  | 31.82 | 10.12 | 33.16 | 100 | 34  | A | H |
|                                                                                |                                                                                             | 5728.075 | 63.44  | -4.76  | 68.2 | 54.36  | 32.06 | 10.2  | 33.18 | 100 | 34  | P | H |
|                                                                                |                                                                                             | 5416.5   | 51.64  | -22.36 | 74   | 43.27  | 31.63 | 9.85  | 33.11 | 281 | 301 | P | V |
|                                                                                |                                                                                             | 5465.5   | 50.43  | -17.77 | 68.2 | 41.88  | 31.76 | 9.9   | 33.11 | 281 | 301 | P | V |
|                                                                                |                                                                                             | 5436.1   | 43.65  | -10.35 | 54   | 35.22  | 31.67 | 9.87  | 33.11 | 281 | 301 | A | V |
|                                                                                | *                                                                                           | 5670     | 114.26 | -      | -    | 105.48 | 31.82 | 10.12 | 33.16 | 281 | 301 | P | V |
|                                                                                | *                                                                                           | 5670     | 106.63 | -      | -    | 97.85  | 31.82 | 10.12 | 33.16 | 281 | 301 | A | V |
|                                                                                |                                                                                             | 5726.85  | 66.95  | -1.25  | 68.2 | 57.88  | 32.05 | 10.2  | 33.18 | 281 | 301 | 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 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |                                                                                             | 5674      | 57.85      | -10.35     | 68.2       | 49.06      | 31.84          | 10.12     | 33.17         | 100     | 34        | P         | H       |
|                                        |                                                                                             | 11020     | 45.78      | -28.22     | 74         | 51.62      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16530     | 45.3       | -22.9      | 68.2       | 46.38      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5680      | 61.52      | -6.68      | 68.2       | 52.68      | 31.88          | 10.13     | 33.17         | 286     | 301       | P         | V       |
|                                        |                                                                                             | 11020     | 47.66      | -26.34     | 74         | 53.5       | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16530     | 44.35      | -23.85     | 68.2       | 45.43      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |                                                                                             | 5776      | 56.97      | -11.23     | 68.2       | 47.75      | 32.15          | 10.27     | 33.2          | 100     | 34        | P         | H       |
|                                        |                                                                                             | 11100     | 48.2       | -25.8      | 74         | 54.32      | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16650     | 44.06      | -24.14     | 68.2       | 44.45      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5794      | 60.56      | -7.64      | 68.2       | 51.28      | 32.19          | 10.29     | 33.2          | 285     | 299       | P         | V       |
|                                        |                                                                                             | 11100     | 51.2       | -22.8      | 74         | 57.32      | 39.6           | 15.68     | 61.4          | 100     | 2         | P         | V       |
|                                        |                                                                                             | 11100     | 41.39      | -12.61     | 54         | 47.51      | 39.6           | 15.68     | 61.4          | 100     | 2         | A         | V       |
|                                        |                                                                                             | 16650     | 43.61      | -24.59     | 68.2       | 44         | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | V       |
| 802.11ac<br>VHT40<br>CH 134<br>5670MHz |                                                                                             | 5830      | 56.06      | -12.14     | 68.2       | 46.69      | 32.26          | 10.33     | 33.22         | 100     | 34        | P         | H       |
|                                        |                                                                                             | 11340     | 45.29      | -28.71     | 74         | 51.29      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17010     | 46.03      | -22.17     | 68.2       | 44.25      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5830      | 59.98      | -8.22      | 68.2       | 50.61      | 32.26          | 10.33     | 33.22         | 281     | 301       | P         | V       |
|                                        |                                                                                             | 5896      | 57.93      | -10.27     | 68.2       | 48.28      | 32.48          | 10.41     | 33.24         | 281     | 301       | P         | V       |
|                                        |                                                                                             | 11340     | 47.04      | -26.96     | 74         | 53.04      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17010     | 46.4       | -21.8      | 68.2       | 44.62      | 40.01          | 20.01     | 58.24         | 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.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5447.2    | 63.66      | -10.34     | 74         | 55.2       | 31.69          | 9.88      | 33.11         | 100     | 34        | P         | H     |
|                                        |                                                                                             | 5463.76   | 62.83      | -5.37      | 68.2       | 54.28      | 31.76          | 9.9       | 33.11         | 100     | 34        | P         | H     |
|                                        |                                                                                             | 5457.28   | 52.15      | -1.85      | 54         | 43.64      | 31.73          | 9.89      | 33.11         | 100     | 34        | P         | H     |
|                                        | *                                                                                           | 5530      | 109.51     | -          | -          | 100.83     | 31.84          | 9.96      | 33.12         | 100     | 34        | P         | H     |
|                                        | *                                                                                           | 5530      | 101.15     | -          | -          | 92.47      | 31.84          | 9.96      | 33.12         | 100     | 34        | A         | H     |
|                                        |                                                                                             | 5747.045  | 55.07      | -13.13     | 68.2       | 45.94      | 32.09          | 10.23     | 33.19         | 100     | 34        | P         | H     |
|                                        |                                                                                             | 5443.6    | 62.01      | -11.99     | 74         | 53.55      | 31.69          | 9.88      | 33.11         | 283     | 301       | P         | V     |
|                                        |                                                                                             | 5466.64   | 65.57      | -2.63      | 68.2       | 57.01      | 31.77          | 9.9       | 33.11         | 283     | 301       | P         | V     |
|                                        |                                                                                             | 5456.08   | 52.74      | -1.26      | 54         | 44.24      | 31.72          | 9.89      | 33.11         | 283     | 301       | A         | V     |
|                                        | *                                                                                           | 5530      | 109.99     | -          | -          | 101.31     | 31.84          | 9.96      | 33.12         | 283     | 301       | P         | V     |
|                                        | *                                                                                           | 5530      | 101.65     | -          | -          | 92.97      | 31.84          | 9.96      | 33.12         | 283     | 301       | A         | V     |
|                                        |                                                                                             | 5752.085  | 55.8       | -12.4      | 68.2       | 46.66      | 32.1           | 10.23     | 33.19         | 283     | 301       | P         | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5449.4    | 54.05      | -19.95     | 74         | 45.58      | 31.7           | 9.88      | 33.11         | 100     | 34        | P         | H     |
|                                        |                                                                                             | 5467.95   | 59.6       | -8.6       | 68.2       | 51.04      | 31.77          | 9.9       | 33.11         | 100     | 34        | P         | H     |
|                                        |                                                                                             | 5458.85   | 45.3       | -8.7       | 54         | 36.78      | 31.74          | 9.89      | 33.11         | 100     | 34        | A         | H     |
|                                        | *                                                                                           | 5610      | 110.3      | -          | -          | 101.64     | 31.78          | 10.03     | 33.15         | 100     | 34        | P         | H     |
|                                        | *                                                                                           | 5610      | 102.38     | -          | -          | 93.72      | 31.78          | 10.03     | 33.15         | 100     | 34        | A         | H     |
|                                        |                                                                                             | 5732.625  | 63.43      | -4.77      | 68.2       | 54.33      | 32.07          | 10.21     | 33.18         | 100     | 34        | P         | H     |
|                                        |                                                                                             | 5459.2    | 54.22      | -19.78     | 74         | 45.7       | 31.74          | 9.89      | 33.11         | 291     | 300       | P         | V     |
|                                        |                                                                                             | 5470      | 58.48      | -9.72      | 68.2       | 49.91      | 31.78          | 9.9       | 33.11         | 291     | 300       | P         | V     |
|                                        |                                                                                             | 5458.5    | 47.6       | -6.4       | 54         | 39.09      | 31.73          | 9.89      | 33.11         | 291     | 300       | A         | V     |
|                                        | *                                                                                           | 5620      | 111.93     | -          | -          | 103.27     | 31.76          | 10.05     | 33.15         | 291     | 300       | P         | V     |
|                                        | *                                                                                           | 5620      | 103.64     | -          | -          | 94.98      | 31.76          | 10.05     | 33.15         | 291     | 300       | A         | V     |
|                                        |                                                                                             | 5726.5    | 66.32      | -1.88      | 68.2       | 57.25      | 32.05          | 10.2      | 33.18         | 291     | 300       | P         | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 45.28      | -28.72     | 74         | 51.26      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16590     | 43.95      | -24.25     | 68.2       | 44.72      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11060     | 45.44      | -28.56     | 74         | 51.42      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16590     | 43.93      | -24.27     | 68.2       | 44.7       | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 45.68      | -28.32     | 74         | 51.91      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16830     | 47.1       | -21.1      | 68.2       | 45.92      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11220     | 47.23      | -26.77     | 74         | 53.46      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16830     | 45.36      | -22.84     | 68.2       | 44.18      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**

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

| WIFI                                  | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                  |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5394.46   | 51.22      | -22.78 | 74         | 42.92  | 31.57    | 9.84   | 33.11  | 100    | 44      | P     | H     |
|                                       |                                                                                             | 5464.66   | 51.19      | -17.01 | 68.2       | 42.64  | 31.76    | 9.9    | 33.11  | 100    | 44      | P     | H     |
|                                       |                                                                                             | 5395.24   | 42.54      | -11.46 | 54         | 34.24  | 31.57    | 9.84   | 33.11  | 100    | 44      | A     | H     |
|                                       | *                                                                                           | 5720      | 119.87     | -      | -          | 110.82 | 32.04    | 10.19  | 33.18  | 100    | 44      | P     | H     |
|                                       | *                                                                                           | 5720      | 113.41     | -      | -          | 104.36 | 32.04    | 10.19  | 33.18  | 100    | 44      | A     | H     |
|                                       |                                                                                             | 5875.75   | 62.26      | -5.94  | 68.2       | 52.71  | 32.4     | 10.38  | 33.23  | 100    | 44      | P     | H     |
|                                       |                                                                                             | 5458.81   | 50.61      | -23.39 | 74         | 42.09  | 31.74    | 9.89   | 33.11  | 275    | 301     | P     | V     |
|                                       |                                                                                             | 5462.71   | 50.77      | -17.43 | 68.2       | 42.23  | 31.75    | 9.9    | 33.11  | 275    | 301     | P     | V     |
|                                       |                                                                                             | 5459.98   | 42.62      | -11.38 | 54         | 34.1   | 31.74    | 9.89   | 33.11  | 275    | 301     | A     | V     |
|                                       | *                                                                                           | 5720      | 121.98     | -      | -          | 112.93 | 32.04    | 10.19  | 33.18  | 275    | 301     | P     | V     |
|                                       | *                                                                                           | 5720      | 115.75     | -      | -          | 106.7  | 32.04    | 10.19  | 33.18  | 275    | 301     | A     | V     |
|                                       |                                                                                             | 5873.75   | 66.2       | -2     | 68.2       | 56.65  | 32.4     | 10.38  | 33.23  | 275    | 301     | P     | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11a<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5962      | 60.33      | -7.87      | 68.2       | 50.51      | 32.6           | 10.48     | 33.26         | 100     | 44        | P         | H     |
|                                       |                                                                                             | 11440     | 57.16      | -16.84     | 74         | 62.98      | 39.7           | 15.88     | 61.4          | 222     | 240       | P         | H     |
|                                       |                                                                                             | 11440     | 47.86      | -6.14      | 54         | 53.68      | 39.7           | 15.88     | 61.4          | 222     | 240       | A         | H     |
|                                       |                                                                                             | 17160     | 52.98      | -15.22     | 68.2       | 50.28      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5962      | 65.46      | -2.74      | 68.2       | 55.64      | 32.6           | 10.48     | 33.26         | 275     | 301       | P         | V     |
|                                       |                                                                                             | 11440     | 58.59      | -15.41     | 74         | 64.41      | 39.7           | 15.88     | 61.4          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 11440     | 49.3       | -4.7       | 54         | 55.12      | 39.7           | 15.88     | 61.4          | 100     | 0         | A         | V     |
|                                       |                                                                                             | 17160     | 54.59      | -13.61     | 68.2       | 51.89      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | V     |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |





**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI Ant.                            | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac VHT20 CH 144 5720MHz</b> |                                                                                             | 5458.03   | 48.6       | -25.4      | 74         | 40.09      | 31.73          | 9.89      | 33.11         | 106     | 39        | P         | H     |
|                                      |                                                                                             | 5464.66   | 47.85      | -20.35     | 68.2       | 39.3       | 31.76          | 9.9       | 33.11         | 106     | 39        | P         | H     |
|                                      |                                                                                             | 5447.11   | 39.59      | -14.41     | 54         | 31.13      | 31.69          | 9.88      | 33.11         | 106     | 39        | A         | H     |
|                                      | *                                                                                           | 5720      | 110.89     | -          | -          | 101.84     | 32.04          | 10.19     | 33.18         | 106     | 39        | P         | H     |
|                                      | *                                                                                           | 5720      | 102.99     | -          | -          | 93.94      | 32.04          | 10.19     | 33.18         | 106     | 39        | A         | H     |
|                                      |                                                                                             | 5878      | 52.44      | -15.76     | 68.2       | 42.87      | 32.41          | 10.39     | 33.23         | 106     | 39        | P         | H     |
|                                      |                                                                                             | 5350.39   | 49.99      | -24.01     | 74         | 41.98      | 31.3           | 9.82      | 33.11         | 295     | 303       | P         | V     |
|                                      |                                                                                             | 5469.34   | 48.69      | -19.51     | 68.2       | 40.12      | 31.78          | 9.9       | 33.11         | 295     | 303       | P         | V     |
|                                      |                                                                                             | 5459.98   | 40.11      | -13.89     | 54         | 31.59      | 31.74          | 9.89      | 33.11         | 295     | 303       | A         | V     |
|                                      | *                                                                                           | 5720      | 113.33     | -          | -          | 104.28     | 32.04          | 10.19     | 33.18         | 295     | 303       | P         | V     |
|                                      | *                                                                                           | 5720      | 105.89     | -          | -          | 96.84      | 32.04          | 10.19     | 33.18         | 295     | 303       | A         | V     |
|                                      |                                                                                             | 5877.75   | 57.69      | -10.51     | 68.2       | 48.12      | 32.41          | 10.39     | 33.23         | 295     | 303       | P         | V     |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5950                 | 53.18               | -15.02                  | 68.2                        | 43.36                   | 32.6                          | 10.47                  | 33.25                      | 106                  | 39                      | P                     | H             |
|                                                  |                                                                                             | 11440                | 54.68               | -19.32                  | 74                          | 60.5                    | 39.7                          | 15.88                  | 61.4                       | 216                  | 273                     | P                     | H             |
|                                                  |                                                                                             | 11440                | 46                  | -8                      | 54                          | 51.82                   | 39.7                          | 15.88                  | 61.4                       | 216                  | 273                     | A                     | H             |
|                                                  |                                                                                             | 17160                | 46.94               | -21.26                  | 68.2                        | 44.24                   | 40.28                         | 20.15                  | 57.73                      | 100                  | 0                       | P                     | H             |
|                                                  |                                                                                             | 5956                 | 59.37               | -8.83                   | 68.2                        | 49.56                   | 32.6                          | 10.47                  | 33.26                      | 295                  | 303                     | P                     | V             |
|                                                  |                                                                                             | 11440                | 55.12               | -18.88                  | 74                          | 60.94                   | 39.7                          | 15.88                  | 61.4                       | 100                  | 3                       | P                     | V             |
|                                                  |                                                                                             | 11440                | 45.74               | -8.26                   | 54                          | 51.56                   | 39.7                          | 15.88                  | 61.4                       | 100                  | 3                       | A                     | V             |
|                                                  |                                                                                             | 17160                | 48.25               | -19.95                  | 68.2                        | 45.55                   | 40.28                         | 20.15                  | 57.73                      | 100                  | 3                       | P                     | V             |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2+3+4                          | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5453.74              | 55.67               | -18.33                  | 74                          | 47.18                     | 31.71                         | 9.89                   | 33.11                      | 100                  | 44                      | P                       | H               |
|                                                  |                                                                                             | 5461.54              | 55.24               | -12.96                  | 68.2                        | 46.7                      | 31.75                         | 9.9                    | 33.11                      | 100                  | 44                      | P                       | H               |
|                                                  |                                                                                             | 5456.86              | 48.78               | -5.22                   | 54                          | 40.27                     | 31.73                         | 9.89                   | 33.11                      | 100                  | 44                      | A                       | H               |
|                                                  | *                                                                                           | 5710                 | 118.1               | -                       | -                           | 109.09                    | 32.02                         | 10.17                  | 33.18                      | 100                  | 44                      | P                       | H               |
|                                                  | *                                                                                           | 5710                 | 110.96              | -                       | -                           | 101.95                    | 32.02                         | 10.17                  | 33.18                      | 100                  | 44                      | A                       | H               |
|                                                  |                                                                                             | 5853.25              | 65.98               | -2.22                   | 68.2                        | 56.53                     | 32.31                         | 10.36                  | 33.22                      | 100                  | 44                      | P                       | H               |
|                                                  |                                                                                             | 5456.47              | 57.08               | -16.92                  | 74                          | 48.57                     | 31.73                         | 9.89                   | 33.11                      | 269                  | 300                     | P                       | V               |
|                                                  |                                                                                             | 5466.61              | 56.73               | -11.47                  | 68.2                        | 48.17                     | 31.77                         | 9.9                    | 33.11                      | 269                  | 300                     | P                       | V               |
|                                                  |                                                                                             | 5459.2               | 50.12               | -3.88                   | 54                          | 41.6                      | 31.74                         | 9.89                   | 33.11                      | 269                  | 300                     | A                       | V               |
|                                                  | *                                                                                           | 5710                 | 120.01              | -                       | -                           | 111                       | 32.02                         | 10.17                  | 33.18                      | 269                  | 300                     | P                       | V               |
|                                                  | *                                                                                           | 5710                 | 112.95              | -                       | -                           | 103.94                    | 32.02                         | 10.17                  | 33.18                      | 269                  | 300                     | A                       | V               |
|                                                  |                                                                                             | 5856.5               | 66.07               | -2.13                   | 68.2                        | 56.6                      | 32.33                         | 10.36                  | 33.22                      | 269                  | 300                     | P                       | V               |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2+3+4                                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 11420     | 53.31      | -20.69     | 74         | 59.14      | 39.7           | 15.87     | 61.4           | 216     | 272       | P         | H       |
|                                                  |                                                                                             | 11420     | 45.53      | -8.47      | 54         | 51.36      | 39.7           | 15.87     | 61.4           | 216     | 272       | A         | H       |
|                                                  |                                                                                             | 17130     | 48.67      | -19.53     | 68.2       | 46.21      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | H       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                                  |                                                                                             | 11420     | 54.16      | -19.84     | 74         | 59.99      | 39.7           | 15.87     | 61.4           | 106     | 0         | P         | V       |
|                                                  |                                                                                             | 11420     | 45.56      | -8.44      | 54         | 51.39      | 39.7           | 15.87     | 61.4           | 106     | 0         | A         | V       |
|                                                  |                                                                                             | 17130     | 48.31      | -19.89     | 68.2       | 45.85      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | V       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5455.3    | 57.56      | -16.44     | 74         | 49.06      | 31.72          | 9.89      | 33.11         | 100     | 45        | P         | H     |
|                                                  |                                                                                             | 5464.27   | 59.52      | -8.68      | 68.2       | 50.97      | 31.76          | 9.9       | 33.11         | 100     | 45        | P         | H     |
|                                                  |                                                                                             | 5459.98   | 50.26      | -3.74      | 54         | 41.74      | 31.74          | 9.89      | 33.11         | 100     | 45        | A         | H     |
|                                                  | *                                                                                           | 5690      | 113.82     | -          | -          | 104.9      | 31.94          | 10.15     | 33.17         | 100     | 45        | P         | H     |
|                                                  | *                                                                                           | 5690      | 106.25     | -          | -          | 97.33      | 31.94          | 10.15     | 33.17         | 100     | 45        | A         | H     |
|                                                  |                                                                                             | 5862.1    | 65.64      | -2.56      | 68.2       | 56.15      | 32.35          | 10.37     | 33.23         | 100     | 45        | P         | H     |
|                                                  |                                                                                             | 5459.59   | 60.19      | -13.81     | 74         | 51.67      | 31.74          | 9.89      | 33.11         | 290     | 301       | P         | V     |
|                                                  |                                                                                             | 5469.73   | 59.66      | -8.54      | 68.2       | 51.09      | 31.78          | 9.9       | 33.11         | 290     | 301       | P         | V     |
|                                                  |                                                                                             | 5459.2    | 50.99      | -3.01      | 54         | 42.47      | 31.74          | 9.89      | 33.11         | 290     | 301       | A         | V     |
|                                                  | *                                                                                           | 5690      | 116.25     | -          | -          | 107.33     | 31.94          | 10.15     | 33.17         | 290     | 301       | P         | V     |
|                                                  | *                                                                                           | 5690      | 107.94     | -          | -          | 99.02      | 31.94          | 10.15     | 33.17         | 290     | 301       | A         | V     |
|                                                  |                                                                                             | 5859.1    | 66.77      | -1.43      | 68.2       | 57.28      | 32.34          | 10.37     | 33.22         | 290     | 301       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 138<br>5690MHz |                                                                                             | 11380     | 50.76      | -23.24     | 74         | 56.65      | 39.66          | 15.85     | 61.4           | 210     | 341       | P         | H     |
|                                        |                                                                                             | 11380     | 41.74      | -12.26     | 54         | 47.63      | 39.66          | 15.85     | 61.4           | 210     | 341       | A         | H     |
|                                        |                                                                                             | 17070     | 45.42      | -22.78     | 68.2       | 43.35      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11380     | 47.79      | -26.21     | 74         | 53.68      | 39.66          | 15.85     | 61.4           | 101     | 0         | P         | V     |
|                                        |                                                                                             | 17070     | 46.3       | -21.9      | 68.2       | 44.23      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



<TXBF Mode>

**Band 2 - 5250~5350MHz**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                            | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-------------------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                            |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                                             |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| <b>802.11ac<br/>VHT20<br/>CH 52<br/>5260MHz</b> |      | 5102.68   | 52.26      | -21.74 | 74         | 43.96    | 31.81    | 9.61   | 33.12  | 196    | 277     | P       | H       |
|                                                 |      | 5108.12   | 43.56      | -10.44 | 54         | 35.24    | 31.82    | 9.62   | 33.12  | 196    | 277     | A       | H       |
|                                                 | *    | 5260      | 118.7      | -      | -          | 110.65   | 31.38    | 9.78   | 33.11  | 196    | 277     | P       | H       |
|                                                 | *    | 5260      | 110.92     | -      | -          | 102.87   | 31.38    | 9.78   | 33.11  | 196    | 277     | A       | H       |
|                                                 |      | 5428.08   | 58.14      | -15.86 | 74         | 49.72    | 31.66    | 9.87   | 33.11  | 196    | 277     | P       | H       |
|                                                 |      | 5425.68   | 49.63      | -4.37  | 54         | 41.23    | 31.65    | 9.86   | 33.11  | 196    | 277     | A       | H       |
|                                                 |      | 5093.16   | 53.48      | -20.52 | 74         | 45.23    | 31.77    | 9.6    | 33.12  | 269    | 309     | P       | V       |
|                                                 |      | 5104.38   | 44.24      | -9.76  | 54         | 35.93    | 31.81    | 9.62   | 33.12  | 269    | 309     | A       | V       |
|                                                 | *    | 5260      | 119.47     | -      | -          | 111.42   | 31.38    | 9.78   | 33.11  | 269    | 309     | P       | V       |
|                                                 | *    | 5260      | 110.99     | -      | -          | 102.94   | 31.38    | 9.78   | 33.11  | 269    | 309     | A       | V       |
|                                                 |      | 5423.52   | 58.7       | -15.3  | 74         | 50.3     | 31.65    | 9.86   | 33.11  | 269    | 309     | P       | V       |
|                                                 |      | 5417.52   | 48.54      | -5.46  | 54         | 40.15    | 31.64    | 9.86   | 33.11  | 269    | 309     | A       | V       |
| <b>802.11ac<br/>VHT20<br/>CH 60<br/>5300MHz</b> |      | 5137.7    | 52.54      | -21.46 | 74         | 44.11    | 31.88    | 9.67   | 33.12  | 212    | 284     | P       | H       |
|                                                 |      | 5137.36   | 44.33      | -9.67  | 54         | 35.91    | 31.87    | 9.67   | 33.12  | 212    | 284     | A       | H       |
|                                                 | *    | 5300      | 119.7      | -      | -          | 111.71   | 31.3     | 9.8    | 33.11  | 212    | 284     | P       | H       |
|                                                 | *    | 5300      | 111.56     | -      | -          | 103.57   | 31.3     | 9.8    | 33.11  | 212    | 284     | A       | H       |
|                                                 |      | 5350.8    | 63.71      | -10.29 | 74         | 55.7     | 31.3     | 9.82   | 33.11  | 212    | 284     | P       | H       |
|                                                 |      | 5350.08   | 51.56      | -2.44  | 54         | 43.55    | 31.3     | 9.82   | 33.11  | 212    | 284     | A       | H       |
|                                                 |      | 5143.82   | 53.05      | -20.95 | 74         | 44.6     | 31.89    | 9.68   | 33.12  | 284    | 304     | P       | V       |
|                                                 |      | 5144.16   | 44.14      | -9.86  | 54         | 35.69    | 31.89    | 9.68   | 33.12  | 284    | 304     | A       | V       |
|                                                 | *    | 5300      | 110.08     | -      | -          | 102.09   | 31.3     | 9.8    | 33.11  | 284    | 304     | QP      | V       |
|                                                 | *    | 5300      | 117.96     | -      | -          | 109.97   | 31.3     | 9.8    | 33.11  | 284    | 304     | P       | V       |
|                                                 |      | 5350.08   | 61.07      | -12.93 | 74         | 53.06    | 31.3     | 9.82   | 33.11  | 284    | 304     | P       | V       |
|                                                 |      | 5350.32   | 51.17      | -2.83  | 54         | 43.16    | 31.3     | 9.82   | 33.11  | 284    | 304     | A       | V       |



|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   |   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 115.84 | -     | -  | 107.84 | 31.3  | 9.81 | 33.11 | 329 | 283 | P | H |
|                                                                   | *                                                                                           | 5320    | 107.47 | -     | -  | 99.47  | 31.3  | 9.81 | 33.11 | 329 | 283 | A | H |
|                                                                   |                                                                                             | 5350.08 | 65.03  | -8.97 | 74 | 57.02  | 31.3  | 9.82 | 33.11 | 329 | 283 | P | H |
|                                                                   |                                                                                             | 5350.08 | 51.35  | -2.65 | 54 | 43.34  | 31.3  | 9.82 | 33.11 | 329 | 283 | A | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   | *                                                                                           | 5320    | 116.56 | -     | -  | 108.56 | 31.3  | 9.81 | 33.11 | 285 | 300 | P | V |
|                                                                   | *                                                                                           | 5320    | 107.51 | -     | -  | 99.51  | 31.3  | 9.81 | 33.11 | 285 | 300 | A | V |
|                                                                   |                                                                                             | 5353.6  | 66.98  | -7.02 | 74 | 58.95  | 31.32 | 9.82 | 33.11 | 285 | 300 | P | V |
|                                                                   |                                                                                             | 5350.08 | 51.67  | -2.33 | 54 | 43.66  | 31.3  | 9.82 | 33.11 | 285 | 300 | A | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |        |       |      |       |     |     |   |   |





**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |                                                                                             | 5506      | 56.85      | -11.35     | 68.2       | 48.13      | 31.89          | 9.94      | 33.11         | 196     | 277       | P         | H       |
|                                       |                                                                                             | 10520     | 54.11      | -14.09     | 68.2       | 60.07      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15780     | 48.84      | -25.16     | 74         | 52.64      | 37.58          | 19        | 60.38         | 100     | 0         | P         | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             | 5560      | 58.41      | -9.79      | 68.2       | 49.76      | 31.8           | 9.98      | 33.13         | 269     | 309       | P         | V       |
|                                       |                                                                                             | 10520     | 54.65      | -13.55     | 68.2       | 60.61      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V       |
|                                       |                                                                                             | 15780     | 53.43      | -20.57     | 74         | 57.23      | 37.58          | 19        | 60.38         | 100     | 86        | P         | V       |
|                                       |                                                                                             | 15780     | 44.1       | -9.9       | 54         | 47.9       | 37.58          | 19        | 60.38         | 100     | 86        | A         | V       |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |                                                                                             | 5540      | 58.82      | -9.38      | 68.2       | 50.15      | 31.83          | 9.96      | 33.12         | 212     | 284       | P         | H       |
|                                       |                                                                                             | 10600     | 53.64      | -20.36     | 74         | 59.62      | 39.7           | 15.4      | 61.08         | 200     | 344       | P         | H       |
|                                       |                                                                                             | 10600     | 44.92      | -9.08      | 54         | 50.9       | 39.7           | 15.4      | 61.08         | 200     | 344       | A         | H       |
|                                       |                                                                                             | 15900     | 47.08      | -26.92     | 74         | 51.11      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 5540      | 57.48      | -10.72     | 68.2       | 48.84      | 31.8           | 9.97      | 33.13         | 284     | 304       | P         | V       |
|                                       |                                                                                             | 10600     | 57.52      | -16.48     | 74         | 63.5       | 39.7           | 15.4      | 61.08         | 165     | 329       | P         | V       |
|                                       |                                                                                             | 10600     | 47.82      | -6.18      | 54         | 53.8       | 39.7           | 15.4      | 61.08         | 165     | 329       | A         | V       |
|                                       |                                                                                             | 15900     | 48.7       | -25.3      | 74         | 52.73      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V       |
| 802.11ac<br>VHT20<br>CH 64<br>5320MHz |                                                                                             | 5480      | 55.93      | -12.27     | 68.2       | 47.27      | 31.85          | 9.92      | 33.11         | 329     | 283       | P         | H       |
|                                       |                                                                                             | 10640     | 46.55      | -27.45     | 74         | 52.58      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15960     | 42.53      | -31.47     | 74         | 46.66      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             | 5480      | 57.49      | -10.71     | 68.2       | 48.92      | 31.78          | 9.9       | 33.11         | 285     | 300       | P         | V       |
|                                       |                                                                                             | 10640     | 54.96      | -19.04     | 74         | 60.99      | 39.66          | 15.42     | 61.11         | 236     | 327       | P         | V       |
|                                       |                                                                                             | 10640     | 44.56      | -9.44      | 54         | 50.59      | 39.66          | 15.42     | 61.11         | 236     | 327       | A         | V       |
|                                       |                                                                                             | 15960     | 42.91      | -31.09     | 74         | 47.04      | 37.02          | 19.08     | 60.23         | 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 VHT40 (Band Edge @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5126.82   | 53.93      | -20.07     | 74         | 45.55      | 31.85          | 9.65      | 33.12         | 214     | 280       | P         | H     |
|                                       |                                                                                             | 5108.8    | 46.49      | -7.51      | 54         | 38.17      | 31.82          | 9.62      | 33.12         | 214     | 280       | A         | H     |
|                                       | *                                                                                           | 5270      | 113.4      | -          | -          | 105.36     | 31.36          | 9.79      | 33.11         | 214     | 280       | P         | H     |
|                                       | *                                                                                           | 5270      | 105.95     | -          | -          | 97.91      | 31.36          | 9.79      | 33.11         | 214     | 280       | A         | H     |
|                                       |                                                                                             | 5425.44   | 60.95      | -13.05     | 74         | 52.55      | 31.65          | 9.86      | 33.11         | 214     | 280       | P         | H     |
|                                       |                                                                                             | 5427.12   | 52.81      | -1.19      | 54         | 44.41      | 31.65          | 9.86      | 33.11         | 214     | 280       | A         | H     |
|                                       |                                                                                             | 5124.44   | 54.12      | -19.88     | 74         | 45.74      | 31.85          | 9.65      | 33.12         | 227     | 296       | P         | V     |
|                                       |                                                                                             | 5127.5    | 47.73      | -6.27      | 54         | 39.35      | 31.85          | 9.65      | 33.12         | 227     | 296       | A         | V     |
|                                       | *                                                                                           | 5270      | 113.33     | -          | -          | 105.29     | 31.36          | 9.79      | 33.11         | 227     | 296       | P         | V     |
|                                       | *                                                                                           | 5270      | 105.75     | -          | -          | 97.71      | 31.36          | 9.79      | 33.11         | 227     | 296       | A         | V     |
|                                       |                                                                                             | 5437.68   | 60.3       | -13.7      | 74         | 51.86      | 31.68          | 9.87      | 33.11         | 227     | 296       | P         | V     |
|                                       |                                                                                             | 5436.96   | 52.43      | -1.57      | 54         | 44         | 31.67          | 9.87      | 33.11         | 227     | 296       | A         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5138.72   | 51.26      | -22.74     | 74         | 42.83      | 31.88          | 9.67      | 33.12         | 211     | 283       | P         | H     |
|                                       |                                                                                             | 5136.68   | 44.26      | -9.74      | 54         | 35.84      | 31.87          | 9.67      | 33.12         | 211     | 283       | A         | H     |
|                                       | *                                                                                           | 5310      | 111.22     | -          | -          | 103.23     | 31.3           | 9.8       | 33.11         | 211     | 283       | P         | H     |
|                                       | *                                                                                           | 5310      | 103.46     | -          | -          | 95.47      | 31.3           | 9.8       | 33.11         | 211     | 283       | A         | H     |
|                                       |                                                                                             | 5356.8    | 62.18      | -11.82     | 74         | 54.13      | 31.34          | 9.82      | 33.11         | 211     | 283       | P         | H     |
|                                       |                                                                                             | 5350.08   | 51.66      | -2.34      | 54         | 43.65      | 31.3           | 9.82      | 33.11         | 211     | 283       | P         | H     |
|                                       |                                                                                             | 5142.46   | 52.37      | -21.63     | 74         | 43.94      | 31.88          | 9.67      | 33.12         | 222     | 295       | P         | V     |
|                                       |                                                                                             | 5141.78   | 45.89      | -8.11      | 54         | 37.46      | 31.88          | 9.67      | 33.12         | 222     | 295       | A         | V     |
|                                       | *                                                                                           | 5310      | 111.94     | -          | -          | 103.95     | 31.3           | 9.8       | 33.11         | 222     | 295       | P         | V     |
|                                       | *                                                                                           | 5310      | 102.97     | -          | -          | 94.98      | 31.3           | 9.8       | 33.11         | 222     | 295       | A         | V     |
|                                       |                                                                                             | 5353.44   | 55.79      | -18.21     | 74         | 47.76      | 31.32          | 9.82      | 33.11         | 222     | 295       | P         | V     |
|                                       |                                                                                             | 5460      | 50.1       | -3.9       | 54         | 41.58      | 31.74          | 9.89      | 33.11         | 222     | 295       | 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 VHT40 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5518      | 57.35      | -10.85     | 68.2       | 48.66      | 31.88          | 9.92      | 33.11         | 214     | 280       | P         | H     |
|                                       |                                                                                             | 10540     | 49.97      | -18.23     | 68.2       | 55.93      | 39.7           | 15.37     | 61.03         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15810     | 44.79      | -29.21     | 74         | 48.57      | 37.56          | 19.01     | 60.35         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5518      | 57.98      | -10.22     | 68.2       | 49.29      | 31.86          | 9.95      | 33.12         | 227     | 296       | P         | V     |
|                                       |                                                                                             | 10540     | 53.81      | -14.39     | 68.2       | 59.77      | 39.7           | 15.37     | 61.03         | 284     | 327       | P         | V     |
|                                       |                                                                                             | 10540     | 46.38      | -7.62      | 54         | 52.34      | 39.7           | 15.37     | 61.03         | 284     | 327       | A         | V     |
|                                       |                                                                                             | 15810     | 43.92      | -30.08     | 74         | 47.7       | 37.56          | 19.01     | 60.35         | 100     | 0         | P         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5482      | 60.21      | -7.99      | 68.2       | 51.58      | 31.83          | 9.91      | 33.11         | 211     | 283       | P         | H     |
|                                       |                                                                                             | 10620     | 46.03      | -27.97     | 74         | 52.04      | 39.68          | 15.41     | 61.1          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15930     | 42.85      | -31.15     | 74         | 46.94      | 37.11          | 19.06     | 60.26         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5464      | 59.57      | -8.63      | 68.2       | 51.02      | 31.76          | 9.9       | 33.11         | 222     | 295       | P         | V     |
|                                       |                                                                                             | 10620     | 45.3       | -28.7      | 74         | 51.31      | 39.68          | 15.41     | 61.1          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15930     | 42.93      | -31.07     | 74         | 47.02      | 37.11          | 19.06     | 60.26         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                   |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5097.2    | 51.92      | -22.08     | 74         | 43.64      | 31.79          | 9.61      | 33.12         | 190     | 285       | P         | H     |
|                                       |                                                                                             | 5145.8    | 43.93      | -10.07     | 54         | 35.48      | 31.89          | 9.68      | 33.12         | 190     | 285       | A         | H     |
|                                       | *                                                                                           | 5290      | 105.15     | -          | -          | 97.14      | 31.32          | 9.8       | 33.11         | 190     | 285       | P         | H     |
|                                       | *                                                                                           | 5290      | 101.52     | -          | -          | 93.51      | 31.32          | 9.8       | 33.11         | 190     | 285       | A         | H     |
|                                       |                                                                                             | 5365.44   | 58.86      | -15.14     | 74         | 50.75      | 31.39          | 9.83      | 33.11         | 190     | 285       | P         | H     |
|                                       |                                                                                             | 5382      | 50.73      | -3.27      | 54         | 42.52      | 31.49          | 9.83      | 33.11         | 190     | 285       | A         | H     |
|                                       |                                                                                             | 5147.6    | 51.53      | -22.47     | 74         | 43.07      | 31.9           | 9.68      | 33.12         | 219     | 296       | P         | V     |
|                                       |                                                                                             | 5144.3    | 44.22      | -9.78      | 54         | 35.77      | 31.89          | 9.68      | 33.12         | 219     | 296       | A         | V     |
|                                       | *                                                                                           | 5290      | 107.41     | -          | -          | 99.4       | 31.32          | 9.8       | 33.11         | 219     | 296       | P         | V     |
|                                       | *                                                                                           | 5290      | 99.28      | -          | -          | 91.27      | 31.32          | 9.8       | 33.11         | 219     | 296       | A         | V     |
|                                       |                                                                                             | 5350.32   | 66.15      | -7.85      | 74         | 58.14      | 31.3           | 9.82      | 33.11         | 219     | 296       | P         | V     |
|                                       |                                                                                             | 5351.04   | 52.8       | -1.2       | 54         | 44.78      | 31.31          | 9.82      | 33.11         | 219     | 296       | 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 ) | Path Loss ( dB ) | Preampl Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|-----------------------|----------------|-------------------|-----------------|------------|
| 802.11ac VHT80 CH 58 5290MHz |                                                                                             | 10580             | 45.4             | -22.8             | 68.2                  | 51.38             | 39.7                    | 15.39            | 61.07                 | 100            | 0                 | P               | H          |
|                              |                                                                                             | 15870             | 44.35            | -29.65            | 74                    | 48.29             | 37.32                   | 19.04            | 60.3                  | 100            | 0                 | P               | H          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | H          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | H          |
|                              |                                                                                             | 10580             | 44.66            | -23.54            | 68.2                  | 50.64             | 39.7                    | 15.39            | 61.07                 | 100            | 0                 | P               | V          |
|                              |                                                                                             | 15870             | 43.75            | -30.25            | 74                    | 47.69             | 37.32                   | 19.04            | 60.3                  | 100            | 0                 | P               | V          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | V          |
|                              |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | V          |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 |            |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                   | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|----------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                   |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |      | 5458.64   | 58.9       | -15.1  | 74         | 50.39  | 31.73    | 9.89   | 33.11  | 191    | 280     | P     | H     |
|                                        |      | 5468.08   | 66.31      | -1.89  | 68.2       | 57.75  | 31.77    | 9.9    | 33.11  | 191    | 280     | P     | H     |
|                                        |      | 5427.12   | 47.22      | -6.78  | 54         | 38.82  | 31.65    | 9.86   | 33.11  | 191    | 280     | A     | H     |
|                                        | *    | 5500      | 114.07     | -      | -          | 105.35 | 31.9     | 9.93   | 33.11  | 191    | 280     | P     | H     |
|                                        | *    | 5500      | 106.4      | -      | -          | 97.68  | 31.9     | 9.93   | 33.11  | 191    | 280     | A     | H     |
|                                        |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                        |      | 5457.84   | 58.79      | -15.21 | 74         | 50.28  | 31.73    | 9.89   | 33.11  | 203    | 310     | P     | V     |
|                                        |      | 5468.56   | 66.32      | -1.88  | 68.2       | 57.76  | 31.77    | 9.9    | 33.11  | 203    | 310     | P     | V     |
|                                        |      | 5416.4    | 46.75      | -7.25  | 54         | 38.38  | 31.63    | 9.85   | 33.11  | 203    | 310     | A     | V     |
|                                        | *    | 5500      | 114.85     | -      | -          | 106.13 | 31.9     | 9.93   | 33.11  | 203    | 310     | P     | V     |
|                                        | *    | 5500      | 106.71     | -      | -          | 97.99  | 31.9     | 9.93   | 33.11  | 203    | 310     | A     | V     |
|                                        |      |           |            |        |            |        |          |        |        |        |         |       | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |      | 5428      | 56.85      | -17.15 | 74         | 48.43  | 31.66    | 9.87   | 33.11  | 198    | 281     | P     | H     |
|                                        |      | 5469.76   | 52.96      | -15.24 | 68.2       | 44.39  | 31.78    | 9.9    | 33.11  | 198    | 281     | P     | H     |
|                                        |      | 5427.28   | 48.95      | -5.05  | 54         | 40.55  | 31.65    | 9.86   | 33.11  | 198    | 281     | A     | H     |
|                                        | *    | 5580      | 116.67     | -      | -          | 108.01 | 31.8     | 10     | 33.14  | 198    | 281     | P     | H     |
|                                        | *    | 5580      | 108.97     | -      | -          | 100.31 | 31.8     | 10     | 33.14  | 198    | 281     | A     | H     |
|                                        |      | 5746.73   | 62.01      | -6.19  | 68.2       | 52.88  | 32.09    | 10.23  | 33.19  | 198    | 281     | P     | H     |
|                                        |      | 5417.44   | 56.27      | -17.73 | 74         | 47.89  | 31.63    | 9.86   | 33.11  | 200    | 289     | P     | V     |
|                                        |      | 5462.32   | 51.4       | -16.8  | 68.2       | 42.86  | 31.75    | 9.9    | 33.11  | 200    | 289     | P     | V     |
|                                        |      | 5355.52   | 47.91      | -6.09  | 54         | 39.87  | 31.33    | 9.82   | 33.11  | 200    | 289     | A     | V     |
|                                        | *    | 5580      | 116.97     | -      | -          | 108.31 | 31.8     | 10     | 33.14  | 200    | 289     | P     | V     |
|                                        | *    | 5580      | 109.37     | -      | -          | 100.71 | 31.8     | 10     | 33.14  | 200    | 289     | A     | V     |
|                                        |      | 5737.28   | 61.62      | -6.58  | 68.2       | 52.53  | 32.07    | 10.21  | 33.19  | 200    | 289     | P     | V     |



|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|--------|-------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700   | 109.19 | -     | -    | 100.2 | 32    | 10.16 | 33.17 | 200 | 289 | P | H |
|                                                                    | *                                                                                           | 5700   | 101.69 | -     | -    | 92.7  | 32    | 10.16 | 33.17 | 200 | 289 | A | H |
|                                                                    |                                                                                             | 5731.4 | 58.8   | -9.4  | 68.2 | 49.72 | 32.06 | 10.2  | 33.18 | 200 | 289 | P | H |
|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    | *                                                                                           | 5700   | 112.89 | -     | -    | 103.9 | 32    | 10.16 | 33.17 | 200 | 308 | P | V |
|                                                                    | *                                                                                           | 5700   | 103.69 | -     | -    | 94.7  | 32    | 10.16 | 33.17 | 200 | 308 | A | V |
|                                                                    |                                                                                             | 5726.6 | 67.11  | -1.09 | 68.2 | 58.04 | 32.05 | 10.2  | 33.18 | 200 | 308 | P | V |
|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |        |        |       |      |       |       |       |       |     |     |   | V |
| <b>Remark</b>                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |        |        |       |      |       |       |       |       |     |     |   |   |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |                                                                                             | 5736      | 61.78      | -6.42      | 68.2       | 52.69      | 32.07          | 10.21     | 33.19          | 191     | 280       | P         | H     |
|                                        |                                                                                             | 11000     | 46.84      | -27.16     | 74         | 52.62      | 40             | 15.62     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16500     | 44.18      | -24.02     | 68.2       | 45.43      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 5736      | 61.03      | -7.17      | 68.2       | 51.93      | 32.07          | 10.21     | 33.18          | 203     | 310       | P         | V     |
|                                        |                                                                                             | 11000     | 48.62      | -25.38     | 74         | 54.4       | 40             | 15.62     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16500     | 44.03      | -24.17     | 68.2       | 45.28      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |                                                                                             | 5824      | 66.66      | -1.54      | 68.2       | 57.29      | 32.25          | 10.33     | 33.21          | 198     | 281       | P         | H     |
|                                        |                                                                                             | 11160     | 47.46      | -26.54     | 74         | 53.66      | 39.48          | 15.72     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16740     | 46.05      | -22.15     | 68.2       | 45.64      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 5824      | 65.45      | -2.75      | 68.2       | 56.1       | 32.24          | 10.32     | 33.21          | 200     | 289       | P         | V     |
|                                        |                                                                                             | 11160     | 52.05      | -21.95     | 74         | 58.25      | 39.48          | 15.72     | 61.4           | 209     | 316       | P         | V     |
|                                        |                                                                                             | 11160     | 43.3       | -10.7      | 54         | 49.5       | 39.48          | 15.72     | 61.4           | 209     | 316       | A         | V     |
|                                        |                                                                                             | 16740     | 46.31      | -21.89     | 68.2       | 45.9       | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |                                                                                             | 5944      | 56.85      | -11.35     | 68.2       | 47.05      | 32.59          | 10.46     | 33.25          | 200     | 289       | P         | H     |
|                                        |                                                                                             | 11400     | 45.71      | -28.29     | 74         | 51.55      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17100     | 46.54      | -21.66     | 68.2       | 44.3       | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 5944      | 59.03      | -9.17      | 68.2       | 49.23      | 32.59          | 10.46     | 33.25          | 200     | 308       | P         | V     |
|                                        |                                                                                             | 11400     | 46.42      | -27.58     | 74         | 52.26      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 17100     | 46.71      | -21.49     | 68.2       | 44.47      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |





**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                                          | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                                                |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 102</b><br><b>5510MHz</b> |      | 5459.68   | 65.05      | -8.95      | 74         | 56.53      | 31.74          | 9.89      | 33.11         | 195     | 282       | P         | H       |
|                                                                    |      | 5469.76   | 65.07      | -3.13      | 68.2       | 56.5       | 31.78          | 9.9       | 33.11         | 195     | 282       | P         | H       |
|                                                                    |      | 5459.92   | 50.2       | -3.8       | 54         | 41.68      | 31.74          | 9.89      | 33.11         | 195     | 282       | A         | H       |
|                                                                    | *    | 5510      | 111.25     | -          | -          | 102.54     | 31.88          | 9.94      | 33.11         | 195     | 282       | P         | H       |
|                                                                    | *    | 5510      | 102.38     | -          | -          | 93.67      | 31.88          | 9.94      | 33.11         | 195     | 282       | A         | H       |
|                                                                    |      | 5763.11   | 56.02      | -12.18     | 68.2       | 46.83      | 32.13          | 10.25     | 33.19         | 195     | 282       | P         | H       |
|                                                                    |      | 5458.48   | 62.01      | -11.99     | 74         | 53.5       | 31.73          | 9.89      | 33.11         | 221     | 299       | P         | V       |
|                                                                    |      | 5469.28   | 66.64      | -1.56      | 68.2       | 58.07      | 31.78          | 9.9       | 33.11         | 221     | 299       | P         | V       |
|                                                                    |      | 5458.48   | 49.12      | -4.88      | 54         | 40.61      | 31.73          | 9.89      | 33.11         | 221     | 299       | A         | V       |
|                                                                    | *    | 5510      | 109.97     | -          | -          | 101.26     | 31.88          | 9.94      | 33.11         | 221     | 299       | P         | V       |
|                                                                    | *    | 5510      | 102.6      | -          | -          | 93.89      | 31.88          | 9.94      | 33.11         | 221     | 299       | A         | V       |
|                                                                    |      | 5744.525  | 56.34      | -11.86     | 68.2       | 47.22      | 32.09          | 10.22     | 33.19         | 221     | 299       | P         | V       |
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 110</b><br><b>5550MHz</b> |      | 5457.52   | 63.26      | -10.74     | 74         | 54.75      | 31.73          | 9.89      | 33.11         | 209     | 283       | P         | H       |
|                                                                    |      | 5466.88   | 66.77      | -1.43      | 68.2       | 58.21      | 31.77          | 9.9       | 33.11         | 209     | 283       | P         | H       |
|                                                                    |      | 5459.44   | 52.51      | -1.49      | 54         | 43.99      | 31.74          | 9.89      | 33.11         | 209     | 283       | A         | H       |
|                                                                    | *    | 5550      | 116.23     | -          | -          | 107.58     | 31.8           | 9.98      | 33.13         | 209     | 283       | P         | H       |
|                                                                    | *    | 5550      | 108.28     | -          | -          | 99.63      | 31.8           | 9.98      | 33.13         | 209     | 283       | A         | H       |
|                                                                    |      | 5726.885  | 58.13      | -10.07     | 68.2       | 49.06      | 32.05          | 10.2      | 33.18         | 209     | 283       | P         | H       |
|                                                                    |      | 5458.96   | 62.92      | -11.08     | 74         | 54.4       | 31.74          | 9.89      | 33.11         | 214     | 310       | P         | V       |
|                                                                    |      | 5464.48   | 66.12      | -2.08      | 68.2       | 57.57      | 31.76          | 9.9       | 33.11         | 214     | 310       | P         | V       |
|                                                                    |      | 5458.96   | 52.42      | -1.58      | 54         | 43.9       | 31.74          | 9.89      | 33.11         | 214     | 310       | A         | V       |
|                                                                    | *    | 5550      | 115.88     | -          | -          | 107.23     | 31.8           | 9.98      | 33.13         | 214     | 310       | P         | V       |
|                                                                    | *    | 5550      | 107.9      | -          | -          | 99.25      | 31.8           | 9.98      | 33.13         | 214     | 310       | A         | V       |
|                                                                    |      | 5727.2    | 58.44      | -9.76      | 68.2       | 49.37      | 32.05          | 10.2      | 33.18         | 214     | 310       | P         | V       |



|                                                                    |                                                                                             |          |        |        |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5435.4   | 52.43  | -21.57 | 74   | 44     | 31.67 | 9.87  | 33.11 | 185 | 279 | P | H |
|                                                                    |                                                                                             | 5468.65  | 51.18  | -17.02 | 68.2 | 42.62  | 31.77 | 9.9   | 33.11 | 185 | 279 | P | H |
|                                                                    |                                                                                             | 5425.25  | 44.87  | -9.13  | 54   | 36.47  | 31.65 | 9.86  | 33.11 | 185 | 279 | A | H |
|                                                                    | *                                                                                           | 5670     | 113.18 | -      | -    | 104.4  | 31.82 | 10.12 | 33.16 | 185 | 279 | P | H |
|                                                                    | *                                                                                           | 5670     | 105.63 | -      | -    | 96.85  | 31.82 | 10.12 | 33.16 | 185 | 279 | A | H |
|                                                                    |                                                                                             | 5728.145 | 66.34  | -1.86  | 68.2 | 57.26  | 32.06 | 10.2  | 33.18 | 185 | 279 | P | H |
|                                                                    |                                                                                             | 5439.6   | 51.86  | -22.14 | 74   | 43.41  | 31.68 | 9.88  | 33.11 | 376 | 343 | P | V |
|                                                                    |                                                                                             | 5465.5   | 50.51  | -17.69 | 68.2 | 41.96  | 31.76 | 9.9   | 33.11 | 376 | 343 | P | V |
|                                                                    |                                                                                             | 5413.7   | 44.2   | -9.8   | 54   | 35.83  | 31.63 | 9.85  | 33.11 | 376 | 343 | A | V |
|                                                                    | *                                                                                           | 5670     | 113.05 | -      | -    | 104.27 | 31.82 | 10.12 | 33.16 | 376 | 343 | P | V |
|                                                                    | *                                                                                           | 5670     | 105.02 | -      | -    | 96.24  | 31.82 | 10.12 | 33.16 | 376 | 343 | A | V |
|                                                                    |                                                                                             | 5725     | 64.42  | -3.78  | 68.2 | 55.35  | 32.05 | 10.2  | 33.18 | 376 | 343 | 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 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |                                                                                             | 11020     | 45.49      | -28.51     | 74         | 51.33      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16530     | 44.44      | -23.76     | 68.2       | 45.52      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 11020     | 46.49      | -27.51     | 74         | 52.33      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16530     | 44.36      | -23.84     | 68.2       | 45.44      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |                                                                                             | 5782      | 58.97      | -9.23      | 68.2       | 49.74      | 32.16          | 10.27     | 33.2          | 209     | 283       | P         | H       |
|                                        |                                                                                             | 11100     | 44.83      | -29.17     | 74         | 50.95      | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16650     | 42.99      | -25.21     | 68.2       | 43.38      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5782      | 57.97      | -10.23     | 68.2       | 48.74      | 32.16          | 10.27     | 33.2          | 214     | 310       | P         | V       |
|                                        |                                                                                             | 11100     | 46.15      | -27.85     | 74         | 52.27      | 39.6           | 15.68     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16650     | 45.72      | -22.48     | 68.2       | 46.11      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 134<br>5670MHz |                                                                                             | 5830      | 60.88      | -7.32      | 68.2       | 51.51      | 32.26          | 10.33     | 33.22         | 185     | 279       | P         | H       |
|                                        |                                                                                             | 11340     | 45.87      | -28.13     | 74         | 51.87      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17010     | 46.64      | -21.56     | 68.2       | 44.86      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5830      | 60.61      | -7.59      | 68.2       | 51.24      | 32.26          | 10.33     | 33.22         | 376     | 343       | P         | V       |
|                                        |                                                                                             | 11340     | 45.85      | -28.15     | 74         | 51.85      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17010     | 45.6       | -22.6      | 68.2       | 43.82      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5431.6    | 58.14      | -15.86     | 74         | 49.72      | 31.66          | 9.87      | 33.11         | 200     | 281       | P         | H     |
|                                        |                                                                                             | 5465.92   | 66.1       | -2.1       | 68.2       | 57.55      | 31.76          | 9.9       | 33.11         | 200     | 281       | P         | H     |
|                                        |                                                                                             | 5456.56   | 52.13      | -1.87      | 54         | 43.62      | 31.73          | 9.89      | 33.11         | 200     | 281       | A         | H     |
|                                        | *                                                                                           | 5530      | 106.82     | -          | -          | 98.14      | 31.84          | 9.96      | 33.12         | 200     | 281       | P         | H     |
|                                        | *                                                                                           | 5530      | 99.92      | -          | -          | 91.24      | 31.84          | 9.96      | 33.12         | 200     | 281       | A         | H     |
|                                        |                                                                                             | 5725.625  | 54         | -14.2      | 68.2       | 44.93      | 32.05          | 10.2      | 33.18         | 200     | 281       | P         | H     |
|                                        |                                                                                             | 5457.76   | 64.65      | -9.35      | 74         | 56.14      | 31.73          | 9.89      | 33.11         | 279     | 302       | P         | V     |
|                                        |                                                                                             | 5463.04   | 65.94      | -2.26      | 68.2       | 57.4       | 31.75          | 9.9       | 33.11         | 279     | 302       | P         | V     |
|                                        |                                                                                             | 5459.2    | 51.07      | -2.93      | 54         | 42.55      | 31.74          | 9.89      | 33.11         | 279     | 302       | A         | V     |
|                                        | *                                                                                           | 5530      | 106.77     | -          | -          | 98.09      | 31.84          | 9.96      | 33.12         | 279     | 302       | P         | V     |
|                                        | *                                                                                           | 5530      | 99.06      | -          | -          | 90.38      | 31.84          | 9.96      | 33.12         | 279     | 302       | A         | V     |
|                                        |                                                                                             | 5755.865  | 53.02      | -15.18     | 68.2       | 43.86      | 32.11          | 10.24     | 33.19         | 279     | 302       | P         | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5437.5    | 60.93      | -13.07     | 74         | 52.49      | 31.68          | 9.87      | 33.11         | 193     | 281       | P         | H     |
|                                        |                                                                                             | 5463.05   | 65.48      | -2.72      | 68.2       | 56.94      | 31.75          | 9.9       | 33.11         | 193     | 281       | P         | H     |
|                                        |                                                                                             | 5457.45   | 52.79      | -1.21      | 54         | 44.28      | 31.73          | 9.89      | 33.11         | 193     | 281       | A         | H     |
|                                        | *                                                                                           | 5610      | 111.3      | -          | -          | 102.64     | 31.78          | 10.03     | 33.15         | 193     | 281       | P         | H     |
|                                        | *                                                                                           | 5610      | 106.28     | -          | -          | 97.62      | 31.78          | 10.03     | 33.15         | 193     | 281       | A         | H     |
|                                        |                                                                                             | 5729.65   | 63.86      | -4.34      | 68.2       | 54.78      | 32.06          | 10.2      | 33.18         | 193     | 281       | P         | H     |
|                                        |                                                                                             | 5424.55   | 57.81      | -16.19     | 74         | 49.41      | 31.65          | 9.86      | 33.11         | 282     | 306       | P         | V     |
|                                        |                                                                                             | 5469.7    | 60.43      | -7.77      | 68.2       | 51.86      | 31.78          | 9.9       | 33.11         | 282     | 306       | P         | V     |
|                                        |                                                                                             | 5455.7    | 51.31      | -2.69      | 54         | 42.81      | 31.72          | 9.89      | 33.11         | 282     | 306       | A         | V     |
|                                        | *                                                                                           | 5610      | 111.08     | -          | -          | 102.42     | 31.78          | 10.03     | 33.15         | 282     | 306       | P         | V     |
|                                        | *                                                                                           | 5610      | 106.23     | -          | -          | 97.57      | 31.78          | 10.03     | 33.15         | 282     | 306       | A         | V     |
|                                        |                                                                                             | 5733.675  | 62.9       | -5.3       | 68.2       | 53.8       | 32.07          | 10.21     | 33.18         | 282     | 306       | P         | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 45.46      | -28.54     | 74         | 51.44      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16590     | 45.16      | -23.04     | 68.2       | 45.93      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11060     | 45.28      | -28.72     | 74         | 51.26      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16590     | 44.8       | -23.4      | 68.2       | 45.57      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 45.62      | -28.38     | 74         | 51.85      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16830     | 45.67      | -22.53     | 68.2       | 44.49      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11220     | 45.83      | -28.17     | 74         | 52.06      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16830     | 46.49      | -21.71     | 68.2       | 45.31      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                             | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                             |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5406.16   | 52.09      | -21.91 | 74         | 43.74  | 31.61    | 9.85   | 33.11  | 213    | 275     | P     | H     |
|                                                  |                                                                                             | 5461.54   | 50.43      | -17.77 | 68.2       | 41.89  | 31.75    | 9.9    | 33.11  | 213    | 275     | P     | H     |
|                                                  |                                                                                             | 5405.38   | 42.06      | -11.94 | 54         | 33.72  | 31.61    | 9.84   | 33.11  | 213    | 275     | A     | H     |
|                                                  | *                                                                                           | 5720      | 119.06     | -      | -          | 110.01 | 32.04    | 10.19  | 33.18  | 213    | 275     | P     | H     |
|                                                  | *                                                                                           | 5720      | 111.04     | -      | -          | 101.99 | 32.04    | 10.19  | 33.18  | 213    | 275     | A     | H     |
|                                                  |                                                                                             | 5886.5    | 62.23      | -5.97  | 68.2       | 52.61  | 32.45    | 10.4   | 33.23  | 213    | 275     | P     | H     |
|                                                  |                                                                                             | 5403.04   | 50.45      | -23.55 | 74         | 42.11  | 31.61    | 9.84   | 33.11  | 226    | 298     | P     | V     |
|                                                  |                                                                                             | 5466.61   | 51.03      | -17.17 | 68.2       | 42.47  | 31.77    | 9.9    | 33.11  | 226    | 298     | P     | V     |
|                                                  |                                                                                             | 5405.77   | 41.35      | -12.65 | 54         | 33     | 31.61    | 9.85   | 33.11  | 226    | 298     | A     | V     |
|                                                  | *                                                                                           | 5720      | 118.84     | -      | -          | 109.79 | 32.04    | 10.19  | 33.18  | 226    | 298     | P     | V     |
|                                                  | *                                                                                           | 5720      | 110.86     | -      | -          | 101.81 | 32.04    | 10.19  | 33.18  | 226    | 298     | A     | V     |
|                                                  |                                                                                             | 5885.25   | 61.44      | -6.76  | 68.2       | 51.84  | 32.44    | 10.39  | 33.23  | 226    | 298     | P     | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5962      | 62.21      | -5.99      | 68.2       | 52.39      | 32.6           | 10.48     | 33.26          | 213     | 275       | P         | H     |
|                                                  |                                                                                             | 11440     | 49.81      | -24.19     | 74         | 55.63      | 39.7           | 15.88     | 61.4           | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 17160     | 49.08      | -19.12     | 68.2       | 46.38      | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             | 5968      | 61.88      | -6.32      | 68.2       | 52.06      | 32.6           | 10.48     | 33.26          | 226     | 298       | P         | V     |
|                                                  |                                                                                             | 11440     | 51.52      | -22.48     | 74         | 57.34      | 39.7           | 15.88     | 61.4           | 100     | 350       | P         | V     |
|                                                  |                                                                                             | 11440     | 42.69      | -11.31     | 54         | 48.51      | 39.7           | 15.88     | 61.4           | 100     | 350       | A         | V     |
|                                                  |                                                                                             | 17160     | 50.54      | -17.66     | 68.2       | 47.84      | 40.28          | 20.15     | 57.73          | 100     | 0         | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5456.08   | 54.83      | -19.17     | 74         | 46.33      | 31.72          | 9.89      | 33.11         | 206     | 281       | P         | H       |
|                                                  |                                                                                             | 5465.83   | 54.97      | -13.23     | 68.2       | 46.42      | 31.76          | 9.9       | 33.11         | 206     | 281       | P         | H       |
|                                                  |                                                                                             | 5455.3    | 46.67      | -7.33      | 54         | 38.17      | 31.72          | 9.89      | 33.11         | 206     | 281       | A         | H       |
|                                                  | *                                                                                           | 5710      | 117.81     | -          | -          | 108.8      | 32.02          | 10.17     | 33.18         | 206     | 281       | P         | H       |
|                                                  | *                                                                                           | 5710      | 110.2      | -          | -          | 101.19     | 32.02          | 10.17     | 33.18         | 206     | 281       | A         | H       |
|                                                  |                                                                                             | 5876.5    | 61.92      | -6.28      | 68.2       | 52.36      | 32.41          | 10.38     | 33.23         | 206     | 281       | P         | H       |
|                                                  |                                                                                             | 5453.35   | 56.06      | -17.94     | 74         | 47.57      | 31.71          | 9.89      | 33.11         | 207     | 303       | P         | V       |
|                                                  |                                                                                             | 5463.88   | 55.74      | -12.46     | 68.2       | 47.19      | 31.76          | 9.9       | 33.11         | 207     | 303       | P         | V       |
|                                                  |                                                                                             | 5456.86   | 48.47      | -5.53      | 54         | 39.96      | 31.73          | 9.89      | 33.11         | 207     | 303       | A         | V       |
|                                                  | *                                                                                           | 5710      | 119.07     | -          | -          | 110.06     | 32.02          | 10.17     | 33.18         | 207     | 303       | P         | V       |
|                                                  | *                                                                                           | 5710      | 112.29     | -          | -          | 103.28     | 32.02          | 10.17     | 33.18         | 207     | 303       | A         | V       |
|                                                  |                                                                                             | 5853.25   | 64.01      | -4.19      | 68.2       | 54.56      | 32.31          | 10.36     | 33.22         | 207     | 303       | P         | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |





**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (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 ) | Path Loss ( dB ) | Preampl Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. ( P/A ) | Pol. ( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|---------------------|-------------------------|------------------|-----------------------|----------------|-------------------|-------------------|--------------|
| <b>802.11ac VHT40 CH 142 5710MHz</b> |                                                                                             | 11420             | 52.46            | -21.54            | 74                    | 58.29               | 39.7                    | 15.87            | 61.4                  | 200            | 259               | P                 | H            |
|                                      |                                                                                             | 11420             | 42.13            | -11.87            | 54                    | 47.96               | 39.7                    | 15.87            | 61.4                  | 200            | 259               | A                 | H            |
|                                      |                                                                                             | 17130             | 48.81            | -19.39            | 68.2                  | 46.35               | 40.19                   | 20.12            | 57.85                 | 100            | 0                 | P                 | H            |
|                                      |                                                                                             |                   |                  |                   |                       |                     |                         |                  |                       |                |                   |                   | H            |
|                                      |                                                                                             | 11420             | 53.06            | -20.94            | 74                    | 58.89               | 39.7                    | 15.87            | 61.4                  | 100            | 348               | P                 | V            |
|                                      |                                                                                             | 11420             | 42.67            | -11.33            | 54                    | 48.5                | 39.7                    | 15.87            | 61.4                  | 100            | 348               | A                 | V            |
|                                      |                                                                                             | 17130             | 48.74            | -19.46            | 68.2                  | 46.28               | 40.19                   | 20.12            | 57.85                 | 100            | 0                 | P                 | V            |
|                                      |                                                                                             |                   |                  |                   |                       |                     |                         |                  |                       |                |                   |                   | V            |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                     |                         |                  |                       |                |                   |                   |              |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2                                              |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5447.11   | 61.17      | -12.83     | 74         | 52.71      | 31.69          | 9.88      | 33.11         | 195     | 277       | P         | H     |
|                                                  |                                                                                             | 5468.56   | 60.61      | -7.59      | 68.2       | 52.05      | 31.77          | 9.9       | 33.11         | 195     | 277       | P         | H     |
|                                                  |                                                                                             | 5459.59   | 52.41      | -1.59      | 54         | 43.89      | 31.74          | 9.89      | 33.11         | 195     | 277       | A         | H     |
|                                                  | *                                                                                           | 5690      | 113.44     | -          | -          | 104.52     | 31.94          | 10.15     | 33.17         | 195     | 277       | P         | H     |
|                                                  | *                                                                                           | 5690      | 109.59     | -          | -          | 100.67     | 31.94          | 10.15     | 33.17         | 195     | 277       | A         | H     |
|                                                  |                                                                                             | 5852.8    | 65.91      | -2.29      | 68.2       | 56.46      | 32.31          | 10.36     | 33.22         | 195     | 277       | P         | H     |
|                                                  |                                                                                             | 5444.38   | 58.46      | -15.54     | 74         | 50         | 31.69          | 9.88      | 33.11         | 212     | 304       | P         | V     |
|                                                  |                                                                                             | 5462.32   | 59.59      | -8.61      | 68.2       | 51.05      | 31.75          | 9.9       | 33.11         | 212     | 304       | P         | V     |
|                                                  |                                                                                             | 5458.42   | 52.22      | -1.78      | 54         | 43.71      | 31.73          | 9.89      | 33.11         | 212     | 304       | A         | V     |
|                                                  | *                                                                                           | 5690      | 114.57     | -          | -          | 105.65     | 31.94          | 10.15     | 33.17         | 212     | 304       | P         | V     |
|                                                  | *                                                                                           | 5690      | 108.53     | -          | -          | 99.61      | 31.94          | 10.15     | 33.17         | 212     | 304       | A         | V     |
|                                                  |                                                                                             | 5853.1    | 66.43      | -1.77      | 68.2       | 56.98      | 32.31          | 10.36     | 33.22         | 212     | 304       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



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

| WIFI Ant. 1+2                        | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preampl Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|-----------------------|----------------|-------------------|-----------------|------------|
| <b>802.11ac VHT80 CH 138 5690MHz</b> |                                                                                             | 11380             | 46.65            | -27.35            | 74                    | 52.54             | 39.66                   | 15.85            | 61.4                  | 100            | 0                 | P               | H          |
|                                      |                                                                                             | 17070             | 48.02            | -20.18            | 68.2                  | 45.95             | 40.07                   | 20.07            | 58.07                 | 100            | 0                 | P               | H          |
|                                      |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | H          |
|                                      |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | H          |
|                                      |                                                                                             | 11380             | 46.31            | -27.69            | 74                    | 52.2              | 39.66                   | 15.85            | 61.4                  | 100            | 0                 | P               | V          |
|                                      |                                                                                             | 17070             | 46.98            | -21.22            | 68.2                  | 44.91             | 40.07                   | 20.07            | 58.07                 | 100            | 0                 | P               | V          |
|                                      |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | V          |
|                                      |                                                                                             |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 | V          |
| <b>Remark</b>                        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                       |                |                   |                 |            |

**Band 2 - 5250~5350MHz****WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                                              | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                                              |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3                                                             |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 52</b><br><b>5260MHz</b> |      | 5097.58   | 52.82      | -21.18 | 74         | 44.54  | 31.79    | 9.61   | 33.12  | 312    | 288     | P     | H     |
|                                                                   |      | 5095.54   | 43.5       | -10.5  | 54         | 35.24  | 31.78    | 9.6    | 33.12  | 312    | 288     | A     | H     |
|                                                                   | *    | 5260      | 119.28     | -      | -          | 111.23 | 31.38    | 9.78   | 33.11  | 312    | 288     | P     | H     |
|                                                                   | *    | 5260      | 110.06     | -      | -          | 102.01 | 31.38    | 9.78   | 33.11  | 312    | 288     | A     | H     |
|                                                                   |      | 5353.68   | 56.74      | -17.26 | 74         | 48.71  | 31.32    | 9.82   | 33.11  | 312    | 288     | P     | H     |
|                                                                   |      | 5350.08   | 47.86      | -6.14  | 54         | 39.85  | 31.3     | 9.82   | 33.11  | 312    | 288     | A     | H     |
|                                                                   |      | 5094.86   | 52.55      | -21.45 | 74         | 44.29  | 31.78    | 9.6    | 33.12  | 319    | 301     | P     | V     |
|                                                                   |      | 5094.18   | 44.11      | -9.89  | 54         | 35.85  | 31.78    | 9.6    | 33.12  | 319    | 301     | A     | V     |
|                                                                   | *    | 5260      | 119.91     | -      | -          | 111.86 | 31.38    | 9.78   | 33.11  | 319    | 301     | P     | V     |
|                                                                   | *    | 5260      | 112.07     | -      | -          | 104.02 | 31.38    | 9.78   | 33.11  | 319    | 301     | A     | V     |
|                                                                   |      | 5411.52   | 57.63      | -16.37 | 74         | 49.27  | 31.62    | 9.85   | 33.11  | 319    | 301     | P     | V     |
|                                                                   |      | 5414.64   | 49.61      | -4.39  | 54         | 41.24  | 31.63    | 9.85   | 33.11  | 319    | 301     | A     | V     |
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 60</b><br><b>5300MHz</b> |      | 5131.92   | 52.29      | -21.71 | 74         | 43.89  | 31.86    | 9.66   | 33.12  | 305    | 285     | P     | H     |
|                                                                   |      | 5136.68   | 44.05      | -9.95  | 54         | 35.63  | 31.87    | 9.67   | 33.12  | 305    | 285     | A     | H     |
|                                                                   | *    | 5300      | 119.11     | -      | -          | 111.12 | 31.3     | 9.8    | 33.11  | 305    | 285     | P     | H     |
|                                                                   | *    | 5300      | 110.86     | -      | -          | 102.87 | 31.3     | 9.8    | 33.11  | 305    | 285     | A     | H     |
|                                                                   |      | 5350.56   | 63.52      | -10.48 | 74         | 55.51  | 31.3     | 9.82   | 33.11  | 305    | 285     | P     | H     |
|                                                                   |      | 5350.08   | 50.91      | -3.09  | 54         | 42.9   | 31.3     | 9.82   | 33.11  | 305    | 285     | A     | H     |
|                                                                   |      | 5147.22   | 52.57      | -21.43 | 74         | 44.12  | 31.89    | 9.68   | 33.12  | 292    | 298     | P     | V     |
|                                                                   |      | 5143.14   | 44.13      | -9.87  | 54         | 35.69  | 31.89    | 9.67   | 33.12  | 292    | 298     | A     | V     |
|                                                                   | *    | 5300      | 120.13     | -      | -          | 112.14 | 31.3     | 9.8    | 33.11  | 292    | 298     | P     | V     |
|                                                                   | *    | 5300      | 111.68     | -      | -          | 103.69 | 31.3     | 9.8    | 33.11  | 292    | 298     | A     | V     |
|                                                                   |      | 5352      | 63.44      | -10.56 | 74         | 55.42  | 31.31    | 9.82   | 33.11  | 292    | 298     | P     | V     |
|                                                                   |      | 5350.08   | 52.38      | -1.62  | 54         | 44.37  | 31.3     | 9.82   | 33.11  | 292    | 298     | A     | V     |



|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   |   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 114.18 | -      | -  | 106.18 | 31.3  | 9.81 | 33.11 | 315 | 289 | P | H |
|                                                                   | *                                                                                           | 5320    | 106.22 | -      | -  | 98.22  | 31.3  | 9.81 | 33.11 | 315 | 289 | A | H |
|                                                                   |                                                                                             | 5355.36 | 66.65  | -7.35  | 74 | 58.61  | 31.33 | 9.82 | 33.11 | 315 | 289 | P | H |
|                                                                   |                                                                                             | 5350.08 | 52.6   | -1.4   | 54 | 44.59  | 31.3  | 9.82 | 33.11 | 315 | 289 | A | H |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | H |
|                                                                   | *                                                                                           | 5320    | 116.12 | -      | -  | 108.12 | 31.3  | 9.81 | 33.11 | 287 | 298 | P | V |
|                                                                   | *                                                                                           | 5320    | 106.83 | -      | -  | 98.83  | 31.3  | 9.81 | 33.11 | 287 | 298 | A | V |
|                                                                   |                                                                                             | 5351.36 | 62.11  | -11.89 | 74 | 54.09  | 31.31 | 9.82 | 33.11 | 287 | 298 | P | V |
|                                                                   |                                                                                             | 5394.72 | 48.68  | -5.32  | 54 | 40.38  | 31.57 | 9.84 | 33.11 | 287 | 298 | A | V |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |        |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |                                                                                             | 5554      | 55.54      | -12.66     | 68.2       | 46.89      | 31.8           | 9.98      | 33.13         | 312     | 288       | P         | H     |
|                                       |                                                                                             | 10520     | 55.12      | -13.08     | 68.2       | 61.08      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15780     | 55.55      | -18.45     | 74         | 59.35      | 37.58          | 19        | 60.38         | 209     | 335       | P         | H     |
|                                       |                                                                                             | 15780     | 45.89      | -8.11      | 54         | 49.69      | 37.58          | 19        | 60.38         | 209     | 335       | A         | H     |
|                                       |                                                                                             | 5554      | 56.53      | -11.67     | 68.2       | 47.88      | 31.8           | 9.98      | 33.13         | 319     | 301       | P         | V     |
|                                       |                                                                                             | 10520     | 58.27      | -9.93      | 68.2       | 64.23      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15780     | 55.22      | -18.78     | 74         | 59.02      | 37.58          | 19        | 60.38         | 100     | 86        | P         | V     |
|                                       |                                                                                             | 15780     | 46.7       | -7.3       | 54         | 50.5       | 37.58          | 19        | 60.38         | 100     | 86        | A         | V     |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |                                                                                             | 5584      | 57.32      | -10.88     | 68.2       | 48.65      | 31.8           | 10.01     | 33.14         | 305     | 285       | P         | H     |
|                                       |                                                                                             | 10600     | 54.53      | -19.47     | 74         | 60.51      | 39.7           | 15.4      | 61.08         | 173     | 336       | P         | H     |
|                                       |                                                                                             | 10600     | 45.56      | -8.44      | 54         | 51.54      | 39.7           | 15.4      | 61.08         | 173     | 336       | A         | H     |
|                                       |                                                                                             | 15900     | 48.39      | -25.61     | 74         | 52.42      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 5464      | 60.3       | -7.9       | 68.2       | 51.75      | 31.76          | 9.9       | 33.11         | 292     | 298       | P         | V     |
|                                       |                                                                                             | 10600     | 55.57      | -18.43     | 74         | 61.55      | 39.7           | 15.4      | 61.08         | 100     | 302       | P         | V     |
|                                       |                                                                                             | 10600     | 46.25      | -7.75      | 54         | 52.23      | 39.7           | 15.4      | 61.08         | 100     | 302       | A         | V     |
|                                       |                                                                                             | 15900     | 48.36      | -25.64     | 74         | 52.39      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 64<br>5320MHz |                                                                                             | 5480      | 54.29      | -13.91     | 68.2       | 45.63      | 31.85          | 9.92      | 33.11         | 315     | 289       | P         | H     |
|                                       |                                                                                             | 10640     | 48.19      | -25.81     | 74         | 54.22      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15960     | 42.12      | -31.88     | 74         | 46.25      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H     |
|                                       |                                                                                             | 5480      | 58.18      | -10.02     | 68.2       | 49.58      | 31.8           | 9.91      | 33.11         | 287     | 298       | P         | V     |
|                                       |                                                                                             | 10640     | 46.33      | -27.67     | 74         | 52.36      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15960     | 42.4       | -31.6      | 74         | 46.53      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



## Band 2 5250~5350MHz

## WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5094.18   | 54.53      | -19.47     | 74         | 46.27      | 31.78          | 9.6       | 33.12         | 216     | 280       | P         | H     |
|                                       |                                                                                             | 5092.48   | 46.52      | -7.48      | 54         | 38.27      | 31.77          | 9.6       | 33.12         | 216     | 280       | A         | H     |
|                                       | *                                                                                           | 5270      | 113.34     | -          | -          | 105.3      | 31.36          | 9.79      | 33.11         | 216     | 280       | P         | H     |
|                                       | *                                                                                           | 5270      | 109.52     | -          | -          | 101.48     | 31.36          | 9.79      | 33.11         | 216     | 280       | A         | H     |
|                                       |                                                                                             | 5415.12   | 59.1       | -14.9      | 74         | 50.73      | 31.63          | 9.85      | 33.11         | 216     | 280       | P         | H     |
|                                       |                                                                                             | 5412.72   | 52.4       | -1.6       | 54         | 44.03      | 31.63          | 9.85      | 33.11         | 216     | 280       | P         | H     |
|                                       |                                                                                             | 5122.74   | 52.63      | -21.37     | 74         | 44.26      | 31.85          | 9.64      | 33.12         | 214     | 305       | P         | V     |
|                                       |                                                                                             | 5125.8    | 46.39      | -7.61      | 54         | 38.01      | 31.85          | 9.65      | 33.12         | 214     | 305       | A         | V     |
|                                       | *                                                                                           | 5270      | 112        | -          | -          | 103.96     | 31.36          | 9.79      | 33.11         | 214     | 305       | P         | V     |
|                                       | *                                                                                           | 5270      | 104.62     | -          | -          | 96.58      | 31.36          | 9.79      | 33.11         | 214     | 305       | A         | V     |
|                                       |                                                                                             | 5444.88   | 59.89      | -14.11     | 74         | 51.43      | 31.69          | 9.88      | 33.11         | 214     | 305       | P         | V     |
|                                       |                                                                                             | 5444.64   | 52.7       | -1.3       | 54         | 44.24      | 31.69          | 9.88      | 33.11         | 214     | 305       | A         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5139.4    | 51.03      | -22.97     | 74         | 42.6       | 31.88          | 9.67      | 33.12         | 263     | 276       | P         | H     |
|                                       |                                                                                             | 5143.82   | 43.32      | -10.68     | 54         | 34.87      | 31.89          | 9.68      | 33.12         | 263     | 276       | A         | H     |
|                                       | *                                                                                           | 5310      | 109.12     | -          | -          | 101.13     | 31.3           | 9.8       | 33.11         | 263     | 276       | P         | H     |
|                                       | *                                                                                           | 5310      | 101.77     | -          | -          | 93.78      | 31.3           | 9.8       | 33.11         | 263     | 276       | A         | H     |
|                                       |                                                                                             | 5373.84   | 57.85      | -16.15     | 74         | 49.69      | 31.44          | 9.83      | 33.11         | 263     | 276       | P         | H     |
|                                       |                                                                                             | 5351.52   | 52.12      | -1.88      | 54         | 44.1       | 31.31          | 9.82      | 33.11         | 263     | 276       | A         | H     |
|                                       |                                                                                             | 5086.02   | 50.87      | -23.13     | 74         | 42.66      | 31.74          | 9.59      | 33.12         | 279     | 301       | P         | V     |
|                                       |                                                                                             | 5143.48   | 42.81      | -11.19     | 54         | 34.36      | 31.89          | 9.68      | 33.12         | 279     | 301       | A         | V     |
|                                       | *                                                                                           | 5310      | 108.42     | -          | -          | 100.43     | 31.3           | 9.8       | 33.11         | 279     | 301       | P         | V     |
|                                       | *                                                                                           | 5310      | 100.36     | -          | -          | 92.37      | 31.3           | 9.8       | 33.11         | 279     | 301       | A         | V     |
|                                       |                                                                                             | 5452.8    | 55.27      | -18.73     | 74         | 46.78      | 31.71          | 9.89      | 33.11         | 279     | 301       | P         | V     |
|                                       |                                                                                             | 5457.12   | 47.87      | -6.13      | 54         | 39.36      | 31.73          | 9.89      | 33.11         | 279     | 301       | 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 VHT40 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5506      | 57.11      | -11.09     | 68.2       | 48.39      | 31.89          | 9.94      | 33.11          | 216     | 280       | P         | H     |
|                                       |                                                                                             | 10540     | 48.84      | -19.36     | 68.2       | 54.8       | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15810     | 43.87      | -30.13     | 74         | 47.65      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5506      | 58.04      | -10.16     | 68.2       | 49.32      | 31.89          | 9.94      | 33.11          | 214     | 305       | P         | V     |
|                                       |                                                                                             | 10540     | 49.11      | -19.09     | 68.2       | 55.07      | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15810     | 43.51      | -30.49     | 74         | 47.29      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5476      | 56.49      | -11.71     | 68.2       | 47.83      | 31.85          | 9.92      | 33.11          | 263     | 276       | P         | H     |
|                                       |                                                                                             | 10620     | 43.91      | -30.09     | 74         | 49.92      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15930     | 42.64      | -31.36     | 74         | 46.73      | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5476      | 57.89      | -10.31     | 68.2       | 49.29      | 31.8           | 9.91      | 33.11          | 279     | 301       | P         | V     |
|                                       |                                                                                             | 10620     | 43.64      | -30.36     | 74         | 49.65      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15930     | 42.07      | -31.93     | 74         | 46.16      | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |





**Band 2 5250~5350MHz**

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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5147.6    | 55.34      | -18.66     | 74         | 46.88      | 31.9           | 9.68      | 33.12         | 291     | 276       | P         | H     |
|                                       |                                                                                             | 5144.3    | 43.97      | -10.03     | 54         | 35.52      | 31.89          | 9.68      | 33.12         | 291     | 276       | A         | H     |
|                                       | *                                                                                           | 5290      | 108.24     | -          | -          | 100.23     | 31.32          | 9.8       | 33.11         | 291     | 276       | P         | H     |
|                                       | *                                                                                           | 5290      | 103.13     | -          | -          | 95.12      | 31.32          | 9.8       | 33.11         | 291     | 276       | A         | H     |
|                                       |                                                                                             | 5362.08   | 62.97      | -11.03     | 74         | 54.89      | 31.37          | 9.82      | 33.11         | 291     | 276       | P         | H     |
|                                       |                                                                                             | 5373.12   | 51.67      | -2.33      | 54         | 43.51      | 31.44          | 9.83      | 33.11         | 291     | 276       | A         | H     |
|                                       |                                                                                             | 5115.2    | 51.17      | -22.83     | 74         | 42.83      | 31.83          | 9.63      | 33.12         | 285     | 299       | P         | V     |
|                                       |                                                                                             | 5147.6    | 43.52      | -10.48     | 54         | 35.06      | 31.9           | 9.68      | 33.12         | 285     | 299       | A         | V     |
|                                       | *                                                                                           | 5290      | 107.84     | -          | -          | 99.83      | 31.32          | 9.8       | 33.11         | 285     | 299       | P         | V     |
|                                       | *                                                                                           | 5290      | 102.43     | -          | -          | 94.42      | 31.32          | 9.8       | 33.11         | 285     | 299       | A         | V     |
|                                       |                                                                                             | 5363.28   | 58.58      | -15.42     | 74         | 50.48      | 31.38          | 9.83      | 33.11         | 285     | 299       | P         | V     |
|                                       |                                                                                             | 5381.28   | 51.1       | -2.9       | 54         | 42.89      | 31.49          | 9.83      | 33.11         | 285     | 299       | 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.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                 |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 10580     | 44.28      | -23.92     | 68.2       | 50.26      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15870     | 43.2       | -30.8      | 74         | 47.14      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 10580     | 44.24      | -23.96     | 68.2       | 50.22      | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15870     | 44.07      | -29.93     | 74         | 48.01      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



## Band 3 - 5470~5725MHz

## WIFI 802.11ac VHT20 (Band Edge @ 3m)

| WIFI                                   | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|----------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                   |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3                                  |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |      | 5423.28   | 55.54      | -18.46 | 74         | 47.14  | 31.65    | 9.86   | 33.11  | 200    | 213     | P     | H     |
|                                        |      | 5470      | 60.26      | -7.94  | 68.2       | 51.69  | 31.78    | 9.9    | 33.11  | 200    | 213     | P     | H     |
|                                        |      | 5426      | 46.09      | -7.91  | 54         | 37.69  | 31.65    | 9.86   | 33.11  | 200    | 213     | A     | H     |
|                                        | *    | 5500      | 116.27     | -      | -          | 107.55 | 31.9     | 9.93   | 33.11  | 200    | 213     | P     | H     |
|                                        | *    | 5500      | 108.4      | -      | -          | 99.68  | 31.9     | 9.93   | 33.11  | 200    | 213     | A     | H     |
|                                        |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                        |      | 5416.24   | 57.01      | -16.99 | 74         | 48.64  | 31.63    | 9.85   | 33.11  | 282    | 300     | P     | V     |
|                                        |      | 5465.2    | 66.39      | -1.81  | 68.2       | 57.84  | 31.76    | 9.9    | 33.11  | 282    | 300     | P     | V     |
|                                        |      | 5424.88   | 46.79      | -7.21  | 54         | 38.39  | 31.65    | 9.86   | 33.11  | 282    | 300     | A     | V     |
|                                        | *    | 5500      | 117.32     | -      | -          | 108.6  | 31.9     | 9.93   | 33.11  | 282    | 300     | P     | V     |
|                                        | *    | 5500      | 108.5      | -      | -          | 99.78  | 31.9     | 9.93   | 33.11  | 282    | 300     | A     | V     |
|                                        |      |           |            |        |            |        |          |        |        |        |         |       | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |      | 5423.44   | 54.7       | -19.3  | 74         | 46.3   | 31.65    | 9.86   | 33.11  | 228    | 214     | P     | H     |
|                                        |      | 5463.04   | 50.66      | -17.54 | 68.2       | 42.12  | 31.75    | 9.9    | 33.11  | 228    | 214     | P     | H     |
|                                        |      | 5423.2    | 45.67      | -8.33  | 54         | 37.27  | 31.65    | 9.86   | 33.11  | 228    | 214     | A     | H     |
|                                        | *    | 5580      | 114.9      | -      | -          | 106.24 | 31.8     | 10     | 33.14  | 228    | 214     | P     | H     |
|                                        | *    | 5580      | 106.37     | -      | -          | 97.71  | 31.8     | 10     | 33.14  | 228    | 214     | A     | H     |
|                                        |      | 5744.84   | 58.5       | -9.7   | 68.2       | 49.38  | 32.09    | 10.22  | 33.19  | 228    | 214     | P     | H     |
|                                        |      | 5415.52   | 55.87      | -18.13 | 74         | 47.5   | 31.63    | 9.85   | 33.11  | 225    | 300     | P     | V     |
|                                        |      | 5465.44   | 51.16      | -17.04 | 68.2       | 42.61  | 31.76    | 9.9    | 33.11  | 225    | 300     | P     | V     |
|                                        |      | 5416      | 47.35      | -6.65  | 54         | 38.98  | 31.63    | 9.85   | 33.11  | 225    | 300     | A     | V     |
|                                        | *    | 5580      | 118.37     | -      | -          | 109.71 | 31.8     | 10     | 33.14  | 225    | 300     | P     | V     |
|                                        | *    | 5580      | 109.77     | -      | -          | 101.11 | 31.8     | 10     | 33.14  | 225    | 300     | A     | V     |
|                                        |      | 5747.36   | 62.91      | -5.29  | 68.2       | 53.78  | 32.09    | 10.23  | 33.19  | 225    | 300     | P     | V     |



|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 111.39 | -     | -    | 102.4 | 32    | 10.16 | 33.17 | 228 | 238 | P | H |
|                                                                    | *                                                                                           | 5700    | 104.09 | -     | -    | 95.1  | 32    | 10.16 | 33.17 | 228 | 238 | A | H |
|                                                                    |                                                                                             | 5725.32 | 63.88  | -4.32 | 68.2 | 54.81 | 32.05 | 10.2  | 33.18 | 228 | 238 | P | H |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    | *                                                                                           | 5700    | 116.79 | -     | -    | 107.8 | 32    | 10.16 | 33.17 | 278 | 296 | P | V |
|                                                                    | *                                                                                           | 5700    | 107.58 | -     | -    | 98.59 | 32    | 10.16 | 33.17 | 278 | 296 | A | V |
|                                                                    |                                                                                             | 5728.28 | 65.82  | -2.38 | 68.2 | 56.74 | 32.06 | 10.2  | 33.18 | 278 | 296 | P | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
| <b>Remark</b>                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |      |       |       |       |       |     |     |   |   |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   |   |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |                                                                                             | 5734      | 61.71      | -6.49      | 68.2       | 52.61      | 32.07          | 10.21     | 33.18          | 200     | 213       | P         | H     |
|                                        |                                                                                             | 11000     | 54.14      | -19.86     | 74         | 59.92      | 40             | 15.62     | 61.4           | 122     | 162       | P         | H     |
|                                        |                                                                                             | 11000     | 44.53      | -9.47      | 54         | 50.31      | 40             | 15.62     | 61.4           | 122     | 162       | A         | H     |
|                                        |                                                                                             | 16500     | 44.04      | -24.16     | 68.2       | 45.29      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5734      | 65.46      | -2.74      | 68.2       | 56.36      | 32.07          | 10.21     | 33.18          | 282     | 300       | P         | V     |
|                                        |                                                                                             | 11000     | 52.91      | -21.09     | 74         | 58.69      | 40             | 15.62     | 61.4           | 100     | 351       | P         | V     |
|                                        |                                                                                             | 11000     | 45.03      | -8.97      | 54         | 50.81      | 40             | 15.62     | 61.4           | 100     | 351       | A         | V     |
|                                        |                                                                                             | 16500     | 43.95      | -24.25     | 68.2       | 45.2       | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |                                                                                             | 5818      | 58.38      | -9.82      | 68.2       | 49.03      | 32.24          | 10.32     | 33.21          | 228     | 214       | P         | H     |
|                                        |                                                                                             | 11160     | 53.32      | -20.68     | 74         | 59.52      | 39.48          | 15.72     | 61.4           | 117     | 169       | P         | H     |
|                                        |                                                                                             | 11160     | 43.69      | -10.31     | 54         | 49.89      | 39.48          | 15.72     | 61.4           | 117     | 169       | A         | H     |
|                                        |                                                                                             | 16740     | 46.64      | -21.56     | 68.2       | 46.23      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5818      | 67.02      | -1.18      | 68.2       | 57.67      | 32.24          | 10.32     | 33.21          | 225     | 300       | P         | V     |
|                                        |                                                                                             | 11160     | 55.33      | -18.67     | 74         | 61.53      | 39.48          | 15.72     | 61.4           | 100     | 348       | P         | V     |
|                                        |                                                                                             | 11160     | 45.76      | -8.24      | 54         | 51.96      | 39.48          | 15.72     | 61.4           | 100     | 348       | A         | V     |
|                                        |                                                                                             | 16740     | 45.88      | -22.32     | 68.2       | 45.47      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |                                                                                             | 5854      | 56.82      | -11.38     | 68.2       | 47.36      | 32.32          | 10.36     | 33.22          | 228     | 238       | P         | H     |
|                                        |                                                                                             | 11400     | 48.58      | -25.42     | 74         | 54.42      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17100     | 47.5       | -20.7      | 68.2       | 45.26      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 5854      | 61.31      | -6.89      | 68.2       | 51.85      | 32.32          | 10.36     | 33.22          | 278     | 296       | P         | V     |
|                                        |                                                                                             | 11400     | 48.67      | -25.33     | 74         | 54.51      | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 17100     | 46.69      | -21.51     | 68.2       | 44.45      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



Band 3 - 5470~5725MHz  
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI Ant.                              | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3                                  |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |      | 5454.16   | 61.06      | -12.94     | 74         | 52.56      | 31.72          | 9.89      | 33.11         | 217     | 199       | P         | H       |
|                                        |      | 5469.52   | 57.78      | -10.42     | 68.2       | 49.21      | 31.78          | 9.9       | 33.11         | 217     | 199       | P         | H       |
|                                        |      | 5455.84   | 47.99      | -6.01      | 54         | 39.49      | 31.72          | 9.89      | 33.11         | 217     | 199       | A         | H       |
|                                        | *    | 5510      | 109.66     | -          | -          | 100.95     | 31.88          | 9.94      | 33.11         | 217     | 199       | P         | H       |
|                                        | *    | 5510      | 101.91     | -          | -          | 93.2       | 31.88          | 9.94      | 33.11         | 217     | 199       | A         | H       |
|                                        |      | 5737.91   | 53.48      | -14.72     | 68.2       | 44.38      | 32.08          | 10.21     | 33.19         | 217     | 199       | P         | H       |
|                                        |      | 5458.48   | 61.87      | -12.13     | 74         | 53.36      | 31.73          | 9.89      | 33.11         | 280     | 301       | P         | V       |
|                                        |      | 5468.56   | 66.28      | -1.92      | 68.2       | 57.72      | 31.77          | 9.9       | 33.11         | 280     | 301       | P         | V       |
|                                        |      | 5458.24   | 50.76      | -3.24      | 54         | 42.25      | 31.73          | 9.89      | 33.11         | 280     | 301       | A         | V       |
|                                        | *    | 5510      | 113.51     | -          | -          | 104.8      | 31.88          | 9.94      | 33.11         | 280     | 301       | P         | V       |
|                                        | *    | 5510      | 104.73     | -          | -          | 96.02      | 31.88          | 9.94      | 33.11         | 280     | 301       | A         | V       |
|                                        |      | 5759.015  | 56.81      | -11.39     | 68.2       | 47.64      | 32.12          | 10.24     | 33.19         | 280     | 301       | P         | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |      | 5458.48   | 59.32      | -14.68     | 74         | 50.81      | 31.73          | 9.89      | 33.11         | 309     | 281       | P         | H       |
|                                        |      | 5469.28   | 61.86      | -6.34      | 68.2       | 53.29      | 31.78          | 9.9       | 33.11         | 309     | 281       | P         | H       |
|                                        |      | 5458.72   | 52.43      | -1.57      | 54         | 43.92      | 31.73          | 9.89      | 33.11         | 309     | 281       | A         | H       |
|                                        | *    | 5550      | 116.66     | -          | -          | 108.01     | 31.8           | 9.98      | 33.13         | 309     | 281       | P         | H       |
|                                        | *    | 5550      | 110.16     | -          | -          | 101.51     | 31.8           | 9.98      | 33.13         | 309     | 281       | A         | H       |
|                                        |      | 5725      | 54.17      | -14.03     | 68.2       | 45.1       | 32.05          | 10.2      | 33.18         | 309     | 281       | P         | H       |
|                                        |      | 5457.52   | 61.65      | -12.35     | 74         | 53.14      | 31.73          | 9.89      | 33.11         | 292     | 299       | P         | V       |
|                                        |      | 5468.08   | 66.64      | -1.56      | 68.2       | 58.08      | 31.77          | 9.9       | 33.11         | 292     | 299       | P         | V       |
|                                        |      | 5456.08   | 52.54      | -1.46      | 54         | 44.04      | 31.72          | 9.89      | 33.11         | 292     | 299       | A         | V       |
|                                        | *    | 5550      | 117.78     | -          | -          | 109.13     | 31.8           | 9.98      | 33.13         | 292     | 299       | P         | V       |
|                                        | *    | 5550      | 110.77     | -          | -          | 102.12     | 31.8           | 9.98      | 33.13         | 292     | 299       | A         | V       |
|                                        |      | 5727.83   | 62.57      | -5.63      | 68.2       | 53.49      | 32.06          | 10.2      | 33.18         | 292     | 299       | P         | V       |



|                                                                                |                                                                                             |         |        |        |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><br><b>VHT40</b><br><br><b>CH 134</b><br><br><b>5670MHz</b> |                                                                                             | 5442.4  | 52.42  | -21.58 | 74   | 43.97  | 31.68 | 9.88  | 33.11 | 304 | 262 | P | H |
|                                                                                |                                                                                             | 5460.6  | 48.62  | -19.58 | 68.2 | 40.1   | 31.74 | 9.89  | 33.11 | 304 | 262 | P | H |
|                                                                                |                                                                                             | 5447.3  | 43.99  | -10.01 | 54   | 35.53  | 31.69 | 9.88  | 33.11 | 304 | 262 | A | H |
|                                                                                | *                                                                                           | 5670    | 112.75 | -      | -    | 103.97 | 31.82 | 10.12 | 33.16 | 304 | 262 | P | H |
|                                                                                | *                                                                                           | 5670    | 105.02 | -      | -    | 96.24  | 31.82 | 10.12 | 33.16 | 304 | 262 | A | H |
|                                                                                |                                                                                             | 5730    | 63.37  | -4.83  | 68.2 | 54.29  | 32.06 | 10.2  | 33.18 | 304 | 262 | P | H |
|                                                                                |                                                                                             | 5442.75 | 50.74  | -23.26 | 74   | 42.28  | 31.69 | 9.88  | 33.11 | 298 | 292 | P | V |
|                                                                                |                                                                                             | 5467.95 | 48.68  | -19.52 | 68.2 | 40.12  | 31.77 | 9.9   | 33.11 | 298 | 292 | P | V |
|                                                                                |                                                                                             | 5442.05 | 43.31  | -10.69 | 54   | 34.86  | 31.68 | 9.88  | 33.11 | 298 | 292 | A | V |
|                                                                                | *                                                                                           | 5670    | 113.92 | -      | -    | 105.14 | 31.82 | 10.12 | 33.16 | 298 | 292 | P | V |
|                                                                                | *                                                                                           | 5670    | 106.23 | -      | -    | 97.45  | 31.82 | 10.12 | 33.16 | 298 | 292 | A | V |
|                                                                                |                                                                                             | 5725.1  | 64.35  | -3.85  | 68.2 | 55.28  | 32.05 | 10.2  | 33.18 | 298 | 292 | 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 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |                                                                                             | 11020     | 47.94      | -26.06     | 74         | 53.78      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16530     | 44.29      | -23.91     | 68.2       | 45.37      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 11020     | 47.69      | -26.31     | 74         | 53.53      | 39.92          | 15.64     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16530     | 46.18      | -22.02     | 68.2       | 47.26      | 38.76          | 19.58     | 59.42         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |                                                                                             | 5788      | 57.68      | -10.52     | 68.2       | 48.45      | 32.16          | 10.27     | 33.2          | 309     | 281       | P         | H       |
|                                        |                                                                                             | 11100     | 53.32      | -20.68     | 74         | 59.44      | 39.6           | 15.68     | 61.4          | 115     | 170       | P         | H       |
|                                        |                                                                                             | 11100     | 44.14      | -9.86      | 54         | 50.26      | 39.6           | 15.68     | 61.4          | 115     | 170       | A         | H       |
|                                        |                                                                                             | 16650     | 44.6       | -23.6      | 68.2       | 44.99      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | H       |
|                                        |                                                                                             | 5788      | 59.69      | -8.51      | 68.2       | 50.43      | 32.18          | 10.28     | 33.2          | 292     | 299       | P         | V       |
|                                        |                                                                                             | 11100     | 53.01      | -20.99     | 74         | 59.13      | 39.6           | 15.68     | 61.4          | 100     | 353       | P         | V       |
|                                        |                                                                                             | 11100     | 43.91      | -10.09     | 54         | 50.03      | 39.6           | 15.68     | 61.4          | 100     | 353       | A         | V       |
|                                        |                                                                                             | 16650     | 46.05      | -22.15     | 68.2       | 46.44      | 39.05          | 19.69     | 59.13         | 100     | 0         | P         | V       |
| 802.11ac<br>VHT40<br>CH 134<br>5670MHz |                                                                                             | 5848      | 59.56      | -8.64      | 68.2       | 50.13      | 32.3           | 10.35     | 33.22         | 304     | 262       | P         | H       |
|                                        |                                                                                             | 11340     | 45.91      | -28.09     | 74         | 51.91      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17010     | 46.29      | -21.91     | 68.2       | 44.51      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                        |                                                                                             | 5848      | 61.15      | -7.05      | 68.2       | 51.72      | 32.3           | 10.35     | 33.22         | 298     | 292       | P         | V       |
|                                        |                                                                                             | 11340     | 48.99      | -25.01     | 74         | 54.99      | 39.58          | 15.82     | 61.4          | 100     | 0         | P         | V       |
|                                        |                                                                                             | 17010     | 46.36      | -21.84     | 68.2       | 44.58      | 40.01          | 20.01     | 58.24         | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |





**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5381.92   | 58.49      | -15.51     | 74         | 50.28      | 31.49          | 9.83      | 33.11         | 305     | 281       | P         | H     |
|                                        |                                                                                             | 5469.04   | 62.14      | -6.06      | 68.2       | 53.57      | 31.78          | 9.9       | 33.11         | 305     | 281       | P         | H     |
|                                        |                                                                                             | 5454.64   | 52.35      | -1.65      | 54         | 43.85      | 31.72          | 9.89      | 33.11         | 305     | 281       | A         | H     |
|                                        | *                                                                                           | 5530      | 108.88     | -          | -          | 100.2      | 31.84          | 9.96      | 33.12         | 305     | 281       | P         | H     |
|                                        | *                                                                                           | 5530      | 101.7      | -          | -          | 93.02      | 31.84          | 9.96      | 33.12         | 305     | 281       | A         | H     |
|                                        |                                                                                             | 5736.02   | 51.37      | -16.83     | 68.2       | 42.28      | 32.07          | 10.21     | 33.19         | 305     | 281       | P         | H     |
|                                        |                                                                                             | 5436.88   | 62.87      | -11.13     | 74         | 54.44      | 31.67          | 9.87      | 33.11         | 292     | 298       | P         | V     |
|                                        |                                                                                             | 5470      | 59.04      | -9.16      | 68.2       | 50.47      | 31.78          | 9.9       | 33.11         | 292     | 298       | P         | V     |
|                                        |                                                                                             | 5456.32   | 52.04      | -1.96      | 54         | 43.53      | 31.73          | 9.89      | 33.11         | 292     | 298       | A         | V     |
|                                        | *                                                                                           | 5530      | 109.63     | -          | -          | 100.95     | 31.84          | 9.96      | 33.12         | 292     | 298       | P         | V     |
|                                        | *                                                                                           | 5530      | 103.93     | -          | -          | 95.25      | 31.84          | 9.96      | 33.12         | 292     | 298       | A         | V     |
|                                        |                                                                                             | 5727.2    | 55.59      | -12.61     | 68.2       | 46.52      | 32.05          | 10.2      | 33.18         | 292     | 298       | P         | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5456.4    | 60.92      | -13.08     | 74         | 52.41      | 31.73          | 9.89      | 33.11         | 305     | 277       | P         | H     |
|                                        |                                                                                             | 5464.8    | 62.34      | -5.86      | 68.2       | 53.79      | 31.76          | 9.9       | 33.11         | 305     | 277       | P         | H     |
|                                        |                                                                                             | 5457.1    | 52.76      | -1.24      | 54         | 44.25      | 31.73          | 9.89      | 33.11         | 305     | 277       | A         | H     |
|                                        | *                                                                                           | 5610      | 110.57     | -          | -          | 101.91     | 31.78          | 10.03     | 33.15         | 305     | 277       | P         | H     |
|                                        | *                                                                                           | 5610      | 103.69     | -          | -          | 95.03      | 31.78          | 10.03     | 33.15         | 305     | 277       | A         | H     |
|                                        |                                                                                             | 5742.425  | 63.42      | -4.78      | 68.2       | 54.31      | 32.08          | 10.22     | 33.19         | 305     | 277       | P         | H     |
|                                        |                                                                                             | 5458.15   | 58.31      | -15.69     | 74         | 49.8       | 31.73          | 9.89      | 33.11         | 265     | 296       | P         | V     |
|                                        |                                                                                             | 5464.45   | 59.99      | -8.21      | 68.2       | 51.44      | 31.76          | 9.9       | 33.11         | 265     | 296       | P         | V     |
|                                        |                                                                                             | 5458.5    | 49.86      | -4.14      | 54         | 41.35      | 31.73          | 9.89      | 33.11         | 265     | 296       | A         | V     |
|                                        | *                                                                                           | 5610      | 112.6      | -          | -          | 103.94     | 31.78          | 10.03     | 33.15         | 265     | 296       | P         | V     |
|                                        | *                                                                                           | 5610      | 104.82     | -          | -          | 96.16      | 31.78          | 10.03     | 33.15         | 265     | 296       | A         | V     |
|                                        |                                                                                             | 5736.65   | 67.17      | -1.03      | 68.2       | 58.08      | 32.07          | 10.21     | 33.19         | 265     | 296       | P         | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 45.62      | -28.38     | 74         | 51.6       | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16590     | 45.84      | -22.36     | 68.2       | 46.61      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11060     | 46.19      | -27.81     | 74         | 52.17      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16590     | 45.75      | -22.45     | 68.2       | 46.52      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 46.47      | -27.53     | 74         | 52.7       | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16830     | 46.18      | -22.02     | 68.2       | 45         | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11220     | 47.27      | -26.73     | 74         | 53.5       | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16830     | 46.76      | -21.44     | 68.2       | 45.58      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 3 - Straddle Channel**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                             | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                             |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5393.68   | 52.14      | -21.86 | 74         | 43.85  | 31.56    | 9.84   | 33.11  | 207    | 284     | P     | H     |
|                                                  |                                                                                             | 5470.12   | 54.47      | -95.53 | 150        | 45.9   | 31.78    | 9.9    | 33.11  | 207    | 284     | P     | H     |
|                                                  |                                                                                             | 5394.07   | 44.37      | -9.63  | 54         | 36.08  | 31.56    | 9.84   | 33.11  | 207    | 284     | A     | H     |
|                                                  | *                                                                                           | 5720      | 121.49     | -      | -          | 112.44 | 32.04    | 10.19  | 33.18  | 207    | 284     | P     | H     |
|                                                  | *                                                                                           | 5720      | 113.75     | -      | -          | 104.7  | 32.04    | 10.19  | 33.18  | 207    | 284     | A     | H     |
|                                                  |                                                                                             | 5873.25   | 64.19      | -4.01  | 68.2       | 54.65  | 32.39    | 10.38  | 33.23  | 207    | 284     | P     | H     |
|                                                  |                                                                                             | 5406.55   | 50.73      | -23.27 | 74         | 42.38  | 31.61    | 9.85   | 33.11  | 267    | 299     | P     | V     |
|                                                  |                                                                                             | 5469.34   | 51.16      | -17.04 | 68.2       | 42.59  | 31.78    | 9.9    | 33.11  | 267    | 299     | P     | V     |
|                                                  |                                                                                             | 5405.38   | 42.74      | -11.26 | 54         | 34.4   | 31.61    | 9.84   | 33.11  | 267    | 299     | A     | V     |
|                                                  | *                                                                                           | 5720      | 123.15     | -      | -          | 114.1  | 32.04    | 10.19  | 33.18  | 267    | 299     | P     | V     |
|                                                  | *                                                                                           | 5720      | 114.65     | -      | -          | 105.6  | 32.04    | 10.19  | 33.18  | 267    | 299     | A     | V     |
|                                                  |                                                                                             | 5886.5    | 65.2       | -3     | 68.2       | 55.58  | 32.45    | 10.4   | 33.23  | 267    | 299     | P     | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



**Band 3 - Straddle Channel**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5950      | 63.8       | -4.4       | 68.2       | 53.98      | 32.6           | 10.47     | 33.25         | 207     | 284       | P         | H     |
|                                                  |                                                                                             | 11440     | 55.5       | -18.5      | 74         | 61.32      | 39.7           | 15.88     | 61.4          | 200     | 205       | P         | H     |
|                                                  |                                                                                             | 11440     | 46.35      | -7.65      | 54         | 52.17      | 39.7           | 15.88     | 61.4          | 200     | 205       | A         | H     |
|                                                  |                                                                                             | 17160     | 48.23      | -19.97     | 68.2       | 45.53      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 5950      | 62.94      | -5.26      | 68.2       | 53.12      | 32.6           | 10.47     | 33.25         | 267     | 299       | P         | V     |
|                                                  |                                                                                             | 11440     | 56.24      | -17.76     | 74         | 62.06      | 39.7           | 15.88     | 61.4          | 116     | 350       | P         | V     |
|                                                  |                                                                                             | 11440     | 48.05      | -5.95      | 54         | 53.87      | 39.7           | 15.88     | 61.4          | 116     | 350       | A         | V     |
|                                                  |                                                                                             | 17160     | 49.67      | -18.53     | 68.2       | 46.97      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 5459.59   | 55.1       | -18.9      | 74         | 46.58      | 31.74          | 9.89      | 33.11         | 206     | 283       | P         | H       |
|                                                  |                                                                                             | 5468.95   | 57.72      | -10.48     | 68.2       | 49.15      | 31.78          | 9.9       | 33.11         | 206     | 283       | P         | H       |
|                                                  |                                                                                             | 5456.47   | 48.4       | -5.6       | 54         | 39.89      | 31.73          | 9.89      | 33.11         | 206     | 283       | A         | H       |
|                                                  | *                                                                                           | 5710      | 119.42     | -          | -          | 110.41     | 32.02          | 10.17     | 33.18         | 206     | 283       | P         | H       |
|                                                  | *                                                                                           | 5710      | 110.46     | -          | -          | 101.45     | 32.02          | 10.17     | 33.18         | 206     | 283       | A         | H       |
|                                                  |                                                                                             | 5866.75   | 62.96      | -5.24      | 68.2       | 53.45      | 32.37          | 10.37     | 33.23         | 206     | 283       | P         | H       |
|                                                  |                                                                                             | 5457.64   | 58.85      | -15.15     | 74         | 50.34      | 31.73          | 9.89      | 33.11         | 276     | 297       | P         | V       |
|                                                  |                                                                                             | 5461.93   | 58.54      | -9.66      | 68.2       | 50         | 31.75          | 9.9       | 33.11         | 276     | 297       | P         | V       |
|                                                  |                                                                                             | 5456.86   | 51.89      | -2.11      | 54         | 43.38      | 31.73          | 9.89      | 33.11         | 276     | 297       | A         | V       |
|                                                  | *                                                                                           | 5710      | 121.28     | -          | -          | 112.27     | 32.02          | 10.17     | 33.18         | 276     | 297       | P         | V       |
|                                                  | *                                                                                           | 5710      | 112.12     | -          | -          | 103.11     | 32.02          | 10.17     | 33.18         | 276     | 297       | A         | V       |
|                                                  |                                                                                             | 5858.75   | 66.02      | -2.18      | 68.2       | 56.55      | 32.33          | 10.36     | 33.22         | 276     | 297       | P         | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |         |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 11420     | 57.78      | -16.22     | 74         | 63.61      | 39.7           | 15.87     | 61.4           | 217     | 148       | P         | H       |
|                                                  |                                                                                             | 11420     | 46.94      | -7.06      | 54         | 52.77      | 39.7           | 15.87     | 61.4           | 217     | 148       | A         | H       |
|                                                  |                                                                                             | 17130     | 49.69      | -18.51     | 68.2       | 47.23      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | H       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                                  |                                                                                             | 11420     | 58.48      | -15.52     | 74         | 64.31      | 39.7           | 15.87     | 61.4           | 200     | 225       | P         | V       |
|                                                  |                                                                                             | 11420     | 48.67      | -5.33      | 54         | 54.5       | 39.7           | 15.87     | 61.4           | 200     | 225       | A         | V       |
|                                                  |                                                                                             | 17130     | 50.9       | -17.3      | 68.2       | 48.44      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | V       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5454.91   | 56.35      | -17.65     | 74         | 47.85      | 31.72          | 9.89      | 33.11         | 323     | 267       | P         | H     |
|                                                  |                                                                                             | 5469.34   | 56.51      | -11.69     | 68.2       | 47.94      | 31.78          | 9.9       | 33.11         | 323     | 267       | P         | H     |
|                                                  |                                                                                             | 5456.47   | 48.44      | -5.56      | 54         | 39.93      | 31.73          | 9.89      | 33.11         | 323     | 267       | A         | H     |
|                                                  | *                                                                                           | 5690      | 114.29     | -          | -          | 105.37     | 31.94          | 10.15     | 33.17         | 323     | 267       | P         | H     |
|                                                  | *                                                                                           | 5690      | 107.64     | -          | -          | 98.72      | 31.94          | 10.15     | 33.17         | 323     | 267       | A         | H     |
|                                                  |                                                                                             | 5857.6    | 60.97      | -7.23      | 68.2       | 51.5       | 32.33          | 10.36     | 33.22         | 323     | 267       | P         | H     |
|                                                  |                                                                                             | 5455.3    | 59.66      | -14.34     | 74         | 51.16      | 31.72          | 9.89      | 33.11         | 271     | 298       | P         | V     |
|                                                  |                                                                                             | 5460.76   | 57.21      | -10.99     | 68.2       | 48.69      | 31.74          | 9.89      | 33.11         | 271     | 298       | P         | V     |
|                                                  |                                                                                             | 5458.42   | 50.18      | -3.82      | 54         | 41.67      | 31.73          | 9.89      | 33.11         | 271     | 298       | A         | V     |
|                                                  | *                                                                                           | 5690      | 115.33     | -          | -          | 106.41     | 31.94          | 10.15     | 33.17         | 271     | 298       | P         | V     |
|                                                  | *                                                                                           | 5690      | 108.86     | -          | -          | 99.94      | 31.94          | 10.15     | 33.17         | 271     | 298       | A         | V     |
|                                                  |                                                                                             | 5862.4    | 64.91      | -3.29      | 68.2       | 55.42      | 32.35          | 10.37     | 33.23         | 271     | 298       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3                                            |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 11380     | 49.19      | -24.81     | 74         | 55.08      | 39.66          | 15.85     | 61.4           | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 17070     | 49.2       | -19        | 68.2       | 47.13      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                                  |                                                                                             | 11380     | 52.97      | -21.03     | 74         | 58.86      | 39.66          | 15.85     | 61.4           | 100     | 351       | P         | V     |
|                                                  |                                                                                             | 11380     | 42.88      | -11.12     | 54         | 48.77      | 39.66          | 15.85     | 61.4           | 100     | 351       | A         | V     |
|                                                  |                                                                                             | 17070     | 50.11      | -18.09     | 68.2       | 48.04      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | V     |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |





**Emission below 1GHz**

**WIFI 802.11ac VHT20 (LF @ 3m)**

| WIFI                    | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                    |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2+3                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT20<br>LF |                                                                            | 45.52     | 24.3       | -15.7  | 40         | 39.41    | 16.32    | 0.94   | 32.37  | -      | -       | P       | H       |
|                         |                                                                            | 91.11     | 30.09      | -13.41 | 43.5       | 46.33    | 14.76    | 1.33   | 32.33  | -      | -       | P       | H       |
|                         |                                                                            | 287.05    | 32.18      | -13.82 | 46         | 43.28    | 18.84    | 2.25   | 32.19  | -      | -       | P       | H       |
|                         |                                                                            | 591.63    | 28.13      | -17.87 | 46         | 31.67    | 25.48    | 3.19   | 32.21  | -      | -       | P       | H       |
|                         |                                                                            | 888.45    | 32.09      | -13.91 | 46         | 30.43    | 29.06    | 4.01   | 31.41  | -      | -       | P       | H       |
|                         |                                                                            | 958.29    | 34.56      | -11.44 | 46         | 30.26    | 30.93    | 4.18   | 30.81  | 100    | 0       | P       | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            | 31.94     | 36.91      | -3.09  | 40         | 45.35    | 23.16    | 0.77   | 32.37  | 100    | 0       | P       | V       |
|                         |                                                                            | 41.64     | 27.92      | -12.08 | 40         | 41.18    | 18.23    | 0.88   | 32.37  | -      | -       | P       | V       |
|                         |                                                                            | 266.68    | 26.78      | -19.22 | 46         | 37.72    | 19.09    | 2.17   | 32.2   | -      | -       | P       | V       |
|                         |                                                                            | 581.93    | 28.35      | -17.65 | 46         | 32.12    | 25.26    | 3.17   | 32.2   | -      | -       | P       | V       |
|                         |                                                                            | 838.98    | 31.15      | -14.85 | 46         | 30.18    | 28.74    | 3.9    | 31.67  | -      | -       | P       | V       |
|                         |                                                                            | 925.31    | 33.18      | -12.82 | 46         | 30.9     | 29.31    | 4.09   | 31.12  | -      | -       | P       | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



**Band 2 - 5250~5350MHz**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                            | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                            |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3+4                                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 52<br/>5260MHz</b> |      | 5104.72   | 54.06      | -19.94 | 74         | 45.75  | 31.81    | 9.62   | 33.12  | 391    | 289     | P     | H     |
|                                                 |      | 5105.06   | 44.69      | -9.31  | 54         | 36.38  | 31.81    | 9.62   | 33.12  | 391    | 289     | A     | H     |
|                                                 | *    | 5260      | 121.31     | -      | -          | 113.26 | 31.38    | 9.78   | 33.11  | 391    | 289     | P     | H     |
|                                                 | *    | 5260      | 113.67     | -      | -          | 105.62 | 31.38    | 9.78   | 33.11  | 391    | 289     | A     | H     |
|                                                 |      | 5424.96   | 58.46      | -15.54 | 74         | 50.06  | 31.65    | 9.86   | 33.11  | 391    | 289     | P     | H     |
|                                                 |      | 5425.2    | 49.15      | -4.85  | 54         | 40.75  | 31.65    | 9.86   | 33.11  | 391    | 289     | A     | H     |
|                                                 |      | 5147.9    | 53.9       | -20.1  | 74         | 45.44  | 31.9     | 9.68   | 33.12  | 220    | 262     | P     | V     |
|                                                 |      | 5148.58   | 44.04      | -9.96  | 54         | 35.58  | 31.9     | 9.68   | 33.12  | 220    | 262     | A     | V     |
|                                                 | *    | 5260      | 121.63     | -      | -          | 113.58 | 31.38    | 9.78   | 33.11  | 220    | 262     | P     | V     |
|                                                 | *    | 5260      | 109.93     | -      | -          | 101.88 | 31.38    | 9.78   | 33.11  | 220    | 262     | A     | V     |
|                                                 |      | 5352.72   | 60.89      | -13.11 | 74         | 52.86  | 31.32    | 9.82   | 33.11  | 220    | 262     | P     | V     |
|                                                 |      | 5350.56   | 49.56      | -4.44  | 54         | 41.55  | 31.3     | 9.82   | 33.11  | 220    | 262     | A     | V     |
| <b>802.11ac<br/>VHT20<br/>CH 60<br/>5300MHz</b> |      | 5141.78   | 53.51      | -20.49 | 74         | 45.08  | 31.88    | 9.67   | 33.12  | 222    | 293     | P     | H     |
|                                                 |      | 5145.52   | 44.85      | -9.15  | 54         | 36.4   | 31.89    | 9.68   | 33.12  | 222    | 293     | A     | H     |
|                                                 | *    | 5300      | 120.81     | -      | -          | 112.82 | 31.3     | 9.8    | 33.11  | 222    | 293     | P     | H     |
|                                                 | *    | 5300      | 113.39     | -      | -          | 105.4  | 31.3     | 9.8    | 33.11  | 222    | 293     | A     | H     |
|                                                 |      | 5353.2    | 68.2       | -5.8   | 74         | 60.17  | 31.32    | 9.82   | 33.11  | 222    | 293     | P     | H     |
|                                                 |      | 5350.08   | 52.71      | -1.29  | 54         | 44.7   | 31.3     | 9.82   | 33.11  | 222    | 293     | A     | H     |
|                                                 |      | 5145.86   | 53.61      | -20.39 | 74         | 45.16  | 31.89    | 9.68   | 33.12  | 264    | 133     | P     | V     |
|                                                 |      | 5143.82   | 44.32      | -9.68  | 54         | 35.87  | 31.89    | 9.68   | 33.12  | 264    | 133     | A     | V     |
|                                                 | *    | 5300      | 120.73     | -      | -          | 112.74 | 31.3     | 9.8    | 33.11  | 264    | 133     | P     | V     |
|                                                 | *    | 5300      | 113.45     | -      | -          | 105.46 | 31.3     | 9.8    | 33.11  | 264    | 133     | A     | V     |
|                                                 |      | 5386.32   | 61.72      | -12.28 | 74         | 53.48  | 31.52    | 9.83   | 33.11  | 264    | 133     | P     | V     |
|                                                 |      | 5388      | 51.44      | -2.56  | 54         | 43.18  | 31.53    | 9.84   | 33.11  | 264    | 133     | A     | V     |



|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   |   |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|----|--------|-------|------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 64</b><br><b>5320MHz</b> | *                                                                                           | 5320    | 115.76 | -     | -  | 107.76 | 31.3  | 9.81 | 33.11 | 400 | 306 | P | H |
|                                                                   | *                                                                                           | 5320    | 104.12 | -     | -  | 96.12  | 31.3  | 9.81 | 33.11 | 400 | 306 | A | H |
|                                                                   |                                                                                             | 5356.16 | 65.76  | -8.24 | 74 | 57.71  | 31.34 | 9.82 | 33.11 | 400 | 306 | P | H |
|                                                                   |                                                                                             | 5350.08 | 50.29  | -3.71 | 54 | 42.28  | 31.3  | 9.82 | 33.11 | 400 | 306 | A | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | H |
|                                                                   | *                                                                                           | 5320    | 119.7  | -     | -  | 111.7  | 31.3  | 9.81 | 33.11 | 228 | 252 | P | V |
|                                                                   | *                                                                                           | 5320    | 111.33 | -     | -  | 103.33 | 31.3  | 9.81 | 33.11 | 228 | 252 | A | V |
|                                                                   |                                                                                             | 5355.2  | 67.24  | -6.76 | 74 | 59.2   | 31.33 | 9.82 | 33.11 | 228 | 252 | P | V |
|                                                                   |                                                                                             | 5350.08 | 52.03  | -1.97 | 54 | 44.02  | 31.3  | 9.82 | 33.11 | 228 | 252 | A | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
|                                                                   |                                                                                             |         |        |       |    |        |       |      |       |     |     |   | V |
| <b>Remark</b>                                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |    |        |       |      |       |     |     |   |   |



**Band 2 5250~5350MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 52<br>5260MHz |                                                                                             | 5553      | 60.97      | -7.23      | 68.2       | 52.32      | 31.8           | 9.98      | 33.13         | 391     | 289       | P         | H       |
|                                       |                                                                                             | 10520     | 54.45      | -13.75     | 68.2       | 60.41      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15780     | 54.66      | -19.34     | 74         | 58.46      | 37.58          | 19        | 60.38         | 300     | 95        | P         | H       |
|                                       |                                                                                             | 15780     | 44.22      | -9.78      | 54         | 48.02      | 37.58          | 19        | 60.38         | 300     | 95        | A         | H       |
|                                       |                                                                                             | 5553      | 55.59      | -12.61     | 68.2       | 46.94      | 31.8           | 9.98      | 33.13         | 220     | 262       | P         | V       |
|                                       |                                                                                             | 10520     | 53.91      | -14.29     | 68.2       | 59.87      | 39.7           | 15.35     | 61.01         | 100     | 0         | P         | V       |
|                                       |                                                                                             | 15780     | 54.02      | -19.98     | 74         | 57.82      | 37.58          | 19        | 60.38         | 162     | 0         | P         | V       |
|                                       |                                                                                             | 15780     | 42.9       | -11.1      | 54         | 46.7       | 37.58          | 19        | 60.38         | 162     | 0         | A         | V       |
| 802.11ac<br>VHT20<br>CH 60<br>5300MHz |                                                                                             | 5464      | 60.62      | -7.58      | 68.2       | 52.07      | 31.76          | 9.9       | 33.11         | 222     | 293       | P         | H       |
|                                       |                                                                                             | 10600     | 56.39      | -17.61     | 74         | 62.37      | 39.7           | 15.4      | 61.08         | 181     | 313       | P         | H       |
|                                       |                                                                                             | 10600     | 47.92      | -6.08      | 54         | 53.9       | 39.7           | 15.4      | 61.08         | 181     | 313       | A         | H       |
|                                       |                                                                                             | 15900     | 50.45      | -23.55     | 74         | 54.48      | 37.2           | 19.05     | 60.28         | 300     | 91        | P         | H       |
|                                       |                                                                                             | 5464      | 60.56      | -7.64      | 68.2       | 52.01      | 31.76          | 9.9       | 33.11         | 264     | 133       | P         | V       |
|                                       |                                                                                             | 10600     | 57.62      | -16.38     | 74         | 63.6       | 39.7           | 15.4      | 61.08         | 200     | 326       | P         | V       |
|                                       |                                                                                             | 10600     | 49.62      | -4.38      | 54         | 55.6       | 39.7           | 15.4      | 61.08         | 200     | 326       | A         | V       |
|                                       |                                                                                             | 15900     | 46.75      | -27.25     | 74         | 50.78      | 37.2           | 19.05     | 60.28         | 100     | 0         | P         | V       |
| 802.11ac<br>VHT20<br>CH 64<br>5320MHz |                                                                                             | 5626      | 58.77      | -9.43      | 68.2       | 50.11      | 31.75          | 10.06     | 33.15         | 228     | 252       | P         | H       |
|                                       |                                                                                             | 10640     | 49.98      | -24.02     | 74         | 56.01      | 39.66          | 15.42     | 61.11         | 100     | 0         | P         | H       |
|                                       |                                                                                             | 15960     | 44.15      | -29.85     | 74         | 48.28      | 37.02          | 19.08     | 60.23         | 100     | 0         | P         | H       |
|                                       |                                                                                             |           |            |            |            |            |                |           |               |         |           |           | H       |
|                                       |                                                                                             | 5476      | 55.54      | -12.66     | 68.2       | 46.94      | 31.8           | 9.91      | 33.11         | 400     | 306       | P         | V       |
|                                       |                                                                                             | 10640     | 56.77      | -17.23     | 74         | 62.8       | 39.66          | 15.42     | 61.11         | 184     | 326       | P         | V       |
|                                       |                                                                                             | 10640     | 46.37      | -7.63      | 54         | 52.4       | 39.66          | 15.42     | 61.11         | 184     | 326       | A         | V       |
|                                       |                                                                                             | 15960     | 43.11      | -30.89     | 74         | 47.24      | 37.02          | 19.08     | 60.23         | 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 VHT40 (Band Edge @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5126.14   | 53.94      | -20.06     | 74         | 45.56      | 31.85          | 9.65      | 33.12         | 224     | 291       | P         | H     |
|                                       |                                                                                             | 5119      | 46.67      | -7.33      | 54         | 38.31      | 31.84          | 9.64      | 33.12         | 224     | 291       | A         | H     |
|                                       | *                                                                                           | 5270      | 113.9      | -          | -          | 105.86     | 31.36          | 9.79      | 33.11         | 224     | 291       | P         | H     |
|                                       | *                                                                                           | 5270      | 106.47     | -          | -          | 98.43      | 31.36          | 9.79      | 33.11         | 224     | 291       | A         | H     |
|                                       |                                                                                             | 5351.04   | 62.31      | -11.69     | 74         | 54.29      | 31.31          | 9.82      | 33.11         | 224     | 291       | P         | H     |
|                                       |                                                                                             | 5425.2    | 52.78      | -1.22      | 54         | 44.38      | 31.65          | 9.86      | 33.11         | 224     | 291       | A         | H     |
|                                       |                                                                                             | 5096.22   | 54.55      | -19.45     | 74         | 46.29      | 31.78          | 9.6       | 33.12         | 243     | 270       | P         | V     |
|                                       |                                                                                             | 5105.74   | 46.99      | -7.01      | 54         | 38.68      | 31.81          | 9.62      | 33.12         | 243     | 270       | A         | V     |
|                                       | *                                                                                           | 5270      | 115.24     | -          | -          | 107.2      | 31.36          | 9.79      | 33.11         | 243     | 270       | P         | V     |
|                                       | *                                                                                           | 5270      | 107.11     | -          | -          | 99.07      | 31.36          | 9.79      | 33.11         | 243     | 270       | A         | V     |
|                                       |                                                                                             | 5438.4    | 58.97      | -15.03     | 74         | 50.53      | 31.68          | 9.87      | 33.11         | 243     | 270       | P         | V     |
|                                       |                                                                                             | 5447.52   | 50.53      | -3.47      | 54         | 42.06      | 31.7           | 9.88      | 33.11         | 243     | 270       | A         | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5145.86   | 51.36      | -22.64     | 74         | 42.91      | 31.89          | 9.68      | 33.12         | 208     | 292       | P         | H     |
|                                       |                                                                                             | 5146.2    | 44.56      | -9.44      | 54         | 36.11      | 31.89          | 9.68      | 33.12         | 208     | 292       | A         | H     |
|                                       | *                                                                                           | 5310      | 110.81     | -          | -          | 102.82     | 31.3           | 9.8       | 33.11         | 208     | 292       | P         | H     |
|                                       | *                                                                                           | 5310      | 103.37     | -          | -          | 95.38      | 31.3           | 9.8       | 33.11         | 208     | 292       | A         | H     |
|                                       |                                                                                             | 5350.56   | 60.83      | -13.17     | 74         | 52.82      | 31.3           | 9.82      | 33.11         | 208     | 292       | P         | H     |
|                                       |                                                                                             | 5350.32   | 52.48      | -1.52      | 54         | 44.47      | 31.3           | 9.82      | 33.11         | 208     | 292       | P         | H     |
|                                       |                                                                                             | 5083.98   | 51.27      | -22.73     | 74         | 43.06      | 31.74          | 9.59      | 33.12         | 241     | 256       | P         | V     |
|                                       |                                                                                             | 5145.86   | 44.93      | -9.07      | 54         | 36.48      | 31.89          | 9.68      | 33.12         | 241     | 256       | A         | V     |
|                                       | *                                                                                           | 5310      | 112.07     | -          | -          | 104.08     | 31.3           | 9.8       | 33.11         | 241     | 256       | P         | V     |
|                                       | *                                                                                           | 5310      | 104.47     | -          | -          | 96.48      | 31.3           | 9.8       | 33.11         | 241     | 256       | A         | V     |
|                                       |                                                                                             | 5350.8    | 60.61      | -13.39     | 74         | 52.6       | 31.3           | 9.82      | 33.11         | 241     | 256       | P         | V     |
|                                       |                                                                                             | 5350.32   | 52.06      | -1.94      | 54         | 44.05      | 31.3           | 9.82      | 33.11         | 241     | 256       | 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 VHT40 (Harmonic @ 3m)**

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT40<br>CH 54<br>5270MHz |                                                                                             | 5518      | 57.39      | -10.81     | 68.2       | 48.68      | 31.88          | 9.94      | 33.11          | 224     | 291       | P         | H     |
|                                       |                                                                                             | 10540     | 51         | -17.2      | 68.2       | 56.96      | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15810     | 43.2       | -30.8      | 74         | 46.98      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5518      | 55.63      | -12.57     | 68.2       | 46.94      | 31.86          | 9.95      | 33.12          | 243     | 270       | P         | V     |
|                                       |                                                                                             | 10540     | 46.82      | -21.38     | 68.2       | 52.78      | 39.7           | 15.37     | 61.03          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15810     | 43.41      | -30.59     | 74         | 47.19      | 37.56          | 19.01     | 60.35          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT40<br>CH 62<br>5310MHz |                                                                                             | 5464      | 58.96      | -9.24      | 68.2       | 50.41      | 31.76          | 9.9       | 33.11          | 208     | 292       | P         | H     |
|                                       |                                                                                             | 10620     | 43.73      | -30.27     | 74         | 49.74      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15930     | 43         | -31        | 74         | 47.09      | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 5488      | 57.97      | -10.23     | 68.2       | 49.31      | 31.85          | 9.92      | 33.11          | 241     | 256       | P         | V     |
|                                       |                                                                                             | 10620     | 44.01      | -29.99     | 74         | 50.02      | 39.68          | 15.41     | 61.1           | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15930     | 41.79      | -32.21     | 74         | 45.88      | 37.11          | 19.06     | 60.26          | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Band 2 5250~5350MHz**

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

| WIFI Ant.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5141.9    | 52.54      | -21.46     | 74         | 44.11      | 31.88          | 9.67      | 33.12         | 230     | 295       | P         | H     |
|                                       |                                                                                             | 5119.1    | 43.16      | -10.84     | 54         | 34.8       | 31.84          | 9.64      | 33.12         | 230     | 295       | A         | H     |
|                                       | *                                                                                           | 5290      | 109.96     | -          | -          | 101.95     | 31.32          | 9.8       | 33.11         | 230     | 295       | P         | H     |
|                                       | *                                                                                           | 5290      | 102.42     | -          | -          | 94.41      | 31.32          | 9.8       | 33.11         | 230     | 295       | A         | H     |
|                                       |                                                                                             | 5355.6    | 60.33      | -13.67     | 74         | 52.29      | 31.33          | 9.82      | 33.11         | 230     | 295       | P         | H     |
|                                       |                                                                                             | 5427.36   | 51.25      | -2.75      | 54         | 42.85      | 31.65          | 9.86      | 33.11         | 230     | 295       | A         | H     |
|                                       |                                                                                             | 5117.6    | 50.63      | -23.37     | 74         | 42.27      | 31.84          | 9.64      | 33.12         | 244     | 274       | P         | V     |
|                                       |                                                                                             | 5103.8    | 43.72      | -10.28     | 54         | 35.41      | 31.81          | 9.62      | 33.12         | 244     | 274       | A         | V     |
|                                       | *                                                                                           | 5290      | 111.32     | -          | -          | 103.31     | 31.32          | 9.8       | 33.11         | 244     | 274       | P         | V     |
|                                       | *                                                                                           | 5290      | 103.69     | -          | -          | 95.68      | 31.32          | 9.8       | 33.11         | 244     | 274       | A         | V     |
|                                       |                                                                                             | 5357.04   | 58.79      | -15.21     | 74         | 50.74      | 31.34          | 9.82      | 33.11         | 244     | 274       | P         | V     |
|                                       |                                                                                             | 5426.64   | 50.47      | -3.53      | 54         | 42.07      | 31.65          | 9.86      | 33.11         | 244     | 274       | 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.                             | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|---------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                               |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 58<br>5290MHz |                                                                                             | 5470      | 56.28      | -11.92     | 68.2       | 47.71      | 31.78          | 9.9       | 33.11          | 230     | 295       | P         | H     |
|                                       |                                                                                             | 10580     | 44.52      | -23.68     | 68.2       | 50.5       | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | H     |
|                                       |                                                                                             | 15870     | 43.41      | -30.59     | 74         | 47.35      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | H     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                       |                                                                                             | 10580     | 44.82      | -23.38     | 68.2       | 50.8       | 39.7           | 15.39     | 61.07          | 100     | 0         | P         | V     |
|                                       |                                                                                             | 15870     | 42.67      | -31.33     | 74         | 46.61      | 37.32          | 19.04     | 60.3           | 100     | 0         | P         | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                       |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |





**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                   | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2+3+4                                |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |      | 5424.56   | 58.2       | -15.8  | 74         | 49.8     | 31.65    | 9.86   | 33.11  | 224    | 295     | P       | H       |
|                                        |      | 5469.04   | 63.69      | -4.51  | 68.2       | 55.12    | 31.78    | 9.9    | 33.11  | 224    | 295     | P       | H       |
|                                        |      | 5414.32   | 48.34      | -5.66  | 54         | 39.97    | 31.63    | 9.85   | 33.11  | 224    | 295     | A       | H       |
|                                        | *    | 5500      | 116.84     | -      | -          | 108.12   | 31.9     | 9.93   | 33.11  | 224    | 295     | P       | H       |
|                                        | *    | 5500      | 100.67     | -      | -          | 91.95    | 31.9     | 9.93   | 33.11  | 224    | 295     | A       | H       |
|                                        |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |      | 5412.72   | 57.55      | -16.45 | 74         | 49.18    | 31.63    | 9.85   | 33.11  | 225    | 108     | P       | V       |
|                                        |      | 5469.36   | 66.99      | -1.21  | 68.2       | 58.42    | 31.78    | 9.9    | 33.11  | 225    | 108     | P       | V       |
|                                        |      | 5424.88   | 47.63      | -6.37  | 54         | 39.23    | 31.65    | 9.86   | 33.11  | 225    | 108     | A       | V       |
|                                        | *    | 5500      | 116.31     | -      | -          | 107.59   | 31.9     | 9.93   | 33.11  | 225    | 108     | P       | V       |
|                                        | *    | 5500      | 107.47     | -      | -          | 98.75    | 31.9     | 9.93   | 33.11  | 225    | 108     | A       | V       |
|                                        |      |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |      | 5413.12   | 59.24      | -14.76 | 74         | 50.87    | 31.63    | 9.85   | 33.11  | 386    | 259     | P       | H       |
|                                        |      | 5466.16   | 53.31      | -14.89 | 68.2       | 44.76    | 31.76    | 9.9    | 33.11  | 386    | 259     | P       | H       |
|                                        |      | 5412.4    | 51.65      | -2.35  | 54         | 43.29    | 31.62    | 9.85   | 33.11  | 386    | 259     | A       | H       |
|                                        | *    | 5580      | 121.76     | -      | -          | 113.1    | 31.8     | 10     | 33.14  | 386    | 259     | P       | H       |
|                                        | *    | 5580      | 113.87     | -      | -          | 105.21   | 31.8     | 10     | 33.14  | 386    | 259     | A       | H       |
|                                        |      | 5732.87   | 65.43      | -2.77  | 68.2       | 56.33    | 32.07    | 10.21  | 33.18  | 386    | 259     | P       | H       |
|                                        |      | 5414.8    | 57.08      | -16.92 | 74         | 48.71    | 31.63    | 9.85   | 33.11  | 298    | 130     | P       | V       |
|                                        |      | 5469.76   | 53.19      | -15.01 | 68.2       | 44.62    | 31.78    | 9.9    | 33.11  | 298    | 130     | P       | V       |
|                                        |      | 5415.52   | 49.38      | -4.62  | 54         | 41.01    | 31.63    | 9.85   | 33.11  | 298    | 130     | A       | V       |
|                                        | *    | 5580      | 122.04     | -      | -          | 113.38   | 31.8     | 10     | 33.14  | 298    | 130     | P       | V       |
|                                        | *    | 5580      | 113.97     | -      | -          | 105.31   | 31.8     | 10     | 33.14  | 298    | 130     | A       | V       |
|                                        |      | 5734.445  | 64.7       | -3.5   | 68.2       | 55.61    | 32.07    | 10.21  | 33.19  | 298    | 130     | P       | V       |



|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|-------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 140</b><br><b>5700MHz</b> | *                                                                                           | 5700    | 115.39 | -     | -    | 106.4 | 32    | 10.16 | 33.17 | 350 | 244 | P | H |
|                                                                    | *                                                                                           | 5700    | 107.19 | -     | -    | 98.2  | 32    | 10.16 | 33.17 | 350 | 244 | A | H |
|                                                                    |                                                                                             | 5726.76 | 65.6   | -2.6  | 68.2 | 56.53 | 32.05 | 10.2  | 33.18 | 350 | 244 | P | H |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | H |
|                                                                    | *                                                                                           | 5700    | 116.89 | -     | -    | 107.9 | 32    | 10.16 | 33.17 | 212 | 135 | P | V |
|                                                                    | *                                                                                           | 5700    | 107.89 | -     | -    | 98.9  | 32    | 10.16 | 33.17 | 212 | 135 | A | V |
|                                                                    |                                                                                             | 5729.4  | 67.19  | -1.01 | 68.2 | 58.11 | 32.06 | 10.2  | 33.18 | 212 | 135 | P | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
|                                                                    |                                                                                             |         |        |       |      |       |       |       |       |     |     |   | V |
| <b>Remark</b>                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |       |      |       |       |       |       |     |     |   |   |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT20<br>CH 100<br>5500MHz |                                                                                             | 5338      | 55.9       | -12.3      | 68.2       | 47.89      | 31.3           | 9.82      | 33.11          | 224     | 295       | P         | H     |
|                                        |                                                                                             | 5740      | 57.72      | -10.48     | 68.2       | 48.62      | 32.07          | 10.21     | 33.18          | 224     | 295       | P         | H     |
|                                        |                                                                                             | 11000     | 48.96      | -25.04     | 74         | 54.74      | 40             | 15.62     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16500     | 44.5       | -23.7      | 68.2       | 45.75      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5338      | 54.28      | -13.92     | 68.2       | 46.28      | 31.3           | 9.81      | 33.11          | 225     | 108       | P         | V     |
|                                        |                                                                                             | 5740      | 59.33      | -8.87      | 68.2       | 50.22      | 32.08          | 10.22     | 33.19          | 225     | 108       | P         | V     |
|                                        |                                                                                             | 11000     | 49.38      | -24.62     | 74         | 55.16      | 40             | 15.62     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16500     | 44.96      | -23.24     | 68.2       | 46.21      | 38.7           | 19.55     | 59.5           | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 116<br>5580MHz |                                                                                             | 5818      | 63.16      | -5.04      | 68.2       | 53.81      | 32.24          | 10.32     | 33.21          | 400     | 0         | P         | H     |
|                                        |                                                                                             | 11160     | 59.04      | -14.96     | 74         | 65.24      | 39.48          | 15.72     | 61.4           | 264     | 171       | P         | H     |
|                                        |                                                                                             | 11160     | 49.1       | -4.9       | 54         | 55.3       | 39.48          | 15.72     | 61.4           | 264     | 171       | A         | H     |
|                                        |                                                                                             | 16740     | 54.79      | -13.41     | 68.2       | 54.38      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | H     |
|                                        |                                                                                             | 5818      | 64.94      | -3.26      | 68.2       | 55.63      | 32.21          | 10.31     | 33.21          | 100     | 0         | P         | V     |
|                                        |                                                                                             | 11160     | 59.62      | -14.38     | 74         | 65.82      | 39.48          | 15.72     | 61.4           | 100     | 301       | P         | V     |
|                                        |                                                                                             | 11160     | 49.5       | -4.5       | 54         | 55.7       | 39.48          | 15.72     | 61.4           | 100     | 301       | A         | V     |
|                                        |                                                                                             | 16740     | 52.23      | -15.97     | 68.2       | 51.82      | 39.56          | 19.77     | 58.92          | 100     | 0         | P         | V     |
| 802.11ac<br>VHT20<br>CH 140<br>5700MHz |                                                                                             | 5860      | 60.52      | -7.68      | 68.2       | 51.04      | 32.34          | 10.37     | 33.23          | 350     | 244       | P         | H     |
|                                        |                                                                                             | 11400     | 49.86      | -24.14     | 74         | 55.7       | 39.7           | 15.86     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17100     | 46.78      | -21.42     | 68.2       | 44.54      | 40.1           | 20.1      | 57.96          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 5860      | 61.29      | -6.91      | 68.2       | 51.81      | 32.34          | 10.37     | 33.23          | 212     | 135       | P         | V     |
|                                        |                                                                                             | 11400     | 52.23      | -21.77     | 74         | 58.07      | 39.7           | 15.86     | 61.4           | 100     | 300       | P         | V     |
|                                        |                                                                                             | 11400     | 43.41      | -10.59     | 54         | 49.25      | 39.7           | 15.86     | 61.4           | 100     | 300       | A         | V     |
|                                        |                                                                                             | 17100     | 46.84      | -21.36     | 68.2       | 44.6       | 40.1           | 20.1      | 57.96          | 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 VHT40 (Band Edge @ 3m)**

| WIFI Ant.                              | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3+4                                |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |      | 5454.64   | 57.53      | -16.47     | 74         | 49.03      | 31.72          | 9.89      | 33.11         | 373     | 243       | P         | H       |
|                                        |      | 5469.28   | 65.39      | -2.81      | 68.2       | 56.82      | 31.78          | 9.9       | 33.11         | 373     | 243       | P         | H       |
|                                        |      | 5455.6    | 46.89      | -7.11      | 54         | 38.39      | 31.72          | 9.89      | 33.11         | 373     | 243       | A         | H       |
|                                        | *    | 5510      | 111.49     | -          | -          | 102.78     | 31.88          | 9.94      | 33.11         | 373     | 243       | P         | H       |
|                                        | *    | 5510      | 103.4      | -          | -          | 94.69      | 31.88          | 9.94      | 33.11         | 373     | 243       | A         | H       |
|                                        |      | 5745.785  | 55.42      | -12.78     | 68.2       | 46.3       | 32.09          | 10.22     | 33.19         | 373     | 243       | P         | H       |
|                                        |      | 5455.6    | 62.76      | -11.24     | 74         | 54.26      | 31.72          | 9.89      | 33.11         | 200     | 135       | P         | V       |
|                                        |      | 5466.16   | 66.25      | -1.95      | 68.2       | 57.7       | 31.76          | 9.9       | 33.11         | 200     | 135       | P         | V       |
|                                        |      | 5455.36   | 49.86      | -4.14      | 54         | 41.36      | 31.72          | 9.89      | 33.11         | 200     | 135       | A         | V       |
|                                        | *    | 5510      | 113.21     | -          | -          | 104.5      | 31.88          | 9.94      | 33.11         | 200     | 135       | P         | V       |
|                                        | *    | 5510      | 103.91     | -          | -          | 95.2       | 31.88          | 9.94      | 33.11         | 200     | 135       | A         | V       |
|                                        |      | 5738.225  | 55.38      | -12.82     | 68.2       | 46.28      | 32.08          | 10.21     | 33.19         | 200     | 135       | P         | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |      | 5450.56   | 59.56      | -14.44     | 74         | 51.08      | 31.7           | 9.89      | 33.11         | 391     | 242       | P         | H       |
|                                        |      | 5464.72   | 65.47      | -2.73      | 68.2       | 56.92      | 31.76          | 9.9       | 33.11         | 391     | 242       | P         | H       |
|                                        |      | 5459.68   | 49.04      | -4.96      | 54         | 40.52      | 31.74          | 9.89      | 33.11         | 391     | 242       | A         | H       |
|                                        | *    | 5550      | 109.75     | -          | -          | 101.1      | 31.8           | 9.98      | 33.13         | 391     | 242       | QP        | H       |
|                                        | *    | 5550      | 116.98     | -          | -          | 108.33     | 31.8           | 9.98      | 33.13         | 391     | 242       | P         | H       |
|                                        |      | 5728.145  | 58.4       | -9.8       | 68.2       | 49.32      | 32.06          | 10.2      | 33.18         | 391     | 242       | P         | H       |
|                                        |      | 5452.96   | 64.88      | -9.12      | 74         | 56.39      | 31.71          | 9.89      | 33.11         | 300     | 126       | P         | V       |
|                                        |      | 5466.4    | 63.7       | -4.5       | 68.2       | 55.14      | 31.77          | 9.9       | 33.11         | 300     | 126       | P         | V       |
|                                        |      | 5454.16   | 52.49      | -1.51      | 54         | 43.99      | 31.72          | 9.89      | 33.11         | 300     | 126       | A         | V       |
|                                        | *    | 5550      | 116.92     | -          | -          | 108.27     | 31.8           | 9.98      | 33.13         | 300     | 126       | P         | V       |
|                                        | *    | 5550      | 109.33     | -          | -          | 100.68     | 31.8           | 9.98      | 33.13         | 300     | 126       | A         | V       |
|                                        |      | 5727.83   | 60         | -8.2       | 68.2       | 50.92      | 32.06          | 10.2      | 33.18         | 300     | 126       | P         | V       |



|                                                                    |                                                                                                              |         |        |        |      |        |       |       |       |     |     |   |   |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------|--------|--------|------|--------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ac</b><br><b>VHT40</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                                              | 5433.3  | 51.16  | -22.84 | 74   | 42.73  | 31.67 | 9.87  | 33.11 | 392 | 262 | P | H |
|                                                                    |                                                                                                              | 5466.9  | 48.98  | -19.22 | 68.2 | 40.42  | 31.77 | 9.9   | 33.11 | 392 | 262 | P | H |
|                                                                    |                                                                                                              | 5434.35 | 43.18  | -10.82 | 54   | 34.75  | 31.67 | 9.87  | 33.11 | 392 | 262 | A | H |
|                                                                    | *                                                                                                            | 5670    | 114.37 | -      | -    | 105.59 | 31.82 | 10.12 | 33.16 | 392 | 262 | P | H |
|                                                                    | *                                                                                                            | 5670    | 105.87 | -      | -    | 97.09  | 31.82 | 10.12 | 33.16 | 392 | 262 | A | H |
|                                                                    |                                                                                                              | 5725    | 60.93  | -7.27  | 68.2 | 51.86  | 32.05 | 10.2  | 33.18 | 392 | 262 | P | H |
|                                                                    |                                                                                                              | 5441    | 50.49  | -23.51 | 74   | 42.04  | 31.68 | 9.88  | 33.11 | 217 | 128 | P | V |
|                                                                    |                                                                                                              | 5469    | 48.6   | -19.6  | 68.2 | 40.03  | 31.78 | 9.9   | 33.11 | 217 | 128 | P | V |
|                                                                    |                                                                                                              | 5443.8  | 43.16  | -10.84 | 54   | 34.7   | 31.69 | 9.88  | 33.11 | 217 | 128 | A | V |
|                                                                    | *                                                                                                            | 5670    | 115.03 | -      | -    | 106.25 | 31.82 | 10.12 | 33.16 | 217 | 128 | P | V |
|                                                                    | *                                                                                                            | 5670    | 105.87 | -      | -    | 97.09  | 31.82 | 10.12 | 33.16 | 217 | 128 | A | V |
|                                                                    |                                                                                                              | 5725    | 65.72  | -2.48  | 68.2 | 56.65  | 32.05 | 10.2  | 33.18 | 217 | 128 | P | V |
|                                                                    | <b>Remark</b><br>1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |      |        |       |       |       |     |     |   |   |



**Band 3 - 5470~5725MHz**

**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 102<br>5510MHz |                                                                                             | 11020     | 46.81      | -27.19     | 74         | 52.65      | 39.92          | 15.64     | 61.4           | 100     | 0         | P         | H       |
|                                        |                                                                                             | 16530     | 44.97      | -23.23     | 68.2       | 46.05      | 38.76          | 19.58     | 59.42          | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                        |                                                                                             | 11020     | 47.2       | -26.8      | 74         | 53.04      | 39.92          | 15.64     | 61.4           | 100     | 0         | P         | V       |
|                                        |                                                                                             | 16530     | 44.4       | -23.8      | 68.2       | 45.48      | 38.76          | 19.58     | 59.42          | 100     | 0         | P         | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
| 802.11ac<br>VHT40<br>CH 110<br>5550MHz |                                                                                             | 5794      | 59.55      | -8.65      | 68.2       | 50.27      | 32.19          | 10.29     | 33.2           | 391     | 242       | P         | H       |
|                                        |                                                                                             | 11100     | 55.91      | -18.09     | 74         | 62.03      | 39.6           | 15.68     | 61.4           | 266     | 170       | P         | H       |
|                                        |                                                                                             | 11100     | 45.39      | -8.61      | 54         | 51.51      | 39.6           | 15.68     | 61.4           | 266     | 170       | A         | H       |
|                                        |                                                                                             | 16650     | 53.73      | -14.47     | 68.2       | 54.12      | 39.05          | 19.69     | 59.13          | 100     | 0         | P         | H       |
|                                        |                                                                                             | 5794      | 59.29      | -8.91      | 68.2       | 50.06      | 32.16          | 10.27     | 33.2           | 300     | 126       | P         | V       |
|                                        |                                                                                             | 11100     | 54.75      | -19.25     | 74         | 60.87      | 39.6           | 15.68     | 61.4           | 100     | 308       | P         | V       |
|                                        |                                                                                             | 11100     | 44.17      | -9.83      | 54         | 50.29      | 39.6           | 15.68     | 61.4           | 100     | 308       | A         | V       |
|                                        |                                                                                             | 16650     | 50.85      | -17.35     | 68.2       | 51.24      | 39.05          | 19.69     | 59.13          | 100     | 0         | P         | V       |
| 802.11ac<br>VHT40<br>CH 134<br>5670MHz |                                                                                             | 5836      | 62.25      | -5.95      | 68.2       | 52.86      | 32.27          | 10.34     | 33.22          | 392     | 262       | P         | H       |
|                                        |                                                                                             | 11340     | 49.55      | -24.45     | 74         | 55.55      | 39.58          | 15.82     | 61.4           | 100     | 0         | P         | H       |
|                                        |                                                                                             | 17010     | 46.56      | -21.64     | 68.2       | 44.78      | 40.01          | 20.01     | 58.24          | 100     | 0         | P         | H       |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                        |                                                                                             | 5836      | 60.85      | -7.35      | 68.2       | 51.46      | 32.27          | 10.34     | 33.22          | 217     | 128       | P         | V       |
|                                        |                                                                                             | 11340     | 52.08      | -21.92     | 74         | 58.08      | 39.58          | 15.82     | 61.4           | 100     | 313       | P         | V       |
|                                        |                                                                                             | 11340     | 42.88      | -11.12     | 54         | 48.88      | 39.58          | 15.82     | 61.4           | 100     | 313       | A         | V       |
|                                        |                                                                                             | 17010     | 46.48      | -21.72     | 68.2       | 44.7       | 40.01          | 20.01     | 58.24          | 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.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 5457.04   | 61.23      | -12.77     | 74         | 52.72      | 31.73          | 9.89      | 33.11         | 350     | 231       | P         | H     |
|                                        |                                                                                             | 5470      | 66.36      | -1.84      | 68.2       | 57.79      | 31.78          | 9.9       | 33.11         | 350     | 231       | P         | H     |
|                                        |                                                                                             | 5458      | 47.2       | -6.8       | 54         | 38.69      | 31.73          | 9.89      | 33.11         | 350     | 231       | A         | H     |
|                                        | *                                                                                           | 5530      | 107.78     | -          | -          | 99.1       | 31.84          | 9.96      | 33.12         | 350     | 231       | P         | H     |
|                                        | *                                                                                           | 5530      | 100.38     | -          | -          | 91.7       | 31.84          | 9.96      | 33.12         | 350     | 231       | A         | H     |
|                                        |                                                                                             | 5725.31   | 55.29      | -12.91     | 68.2       | 46.22      | 32.05          | 10.2      | 33.18         | 350     | 231       | P         | H     |
|                                        |                                                                                             | 5453.44   | 64.63      | -9.37      | 74         | 56.14      | 31.71          | 9.89      | 33.11         | 301     | 129       | P         | V     |
|                                        |                                                                                             | 5465.92   | 63.15      | -5.05      | 68.2       | 54.6       | 31.76          | 9.9       | 33.11         | 301     | 129       | P         | V     |
|                                        |                                                                                             | 5456.32   | 52.2       | -1.8       | 54         | 43.69      | 31.73          | 9.89      | 33.11         | 301     | 129       | A         | V     |
|                                        | *                                                                                           | 5530      | 109.16     | -          | -          | 100.48     | 31.84          | 9.96      | 33.12         | 301     | 129       | P         | V     |
|                                        | *                                                                                           | 5530      | 100.78     | -          | -          | 92.1       | 31.84          | 9.96      | 33.12         | 301     | 129       | A         | V     |
|                                        |                                                                                             | 5726.57   | 54.07      | -14.13     | 68.2       | 45         | 32.05          | 10.2      | 33.18         | 301     | 129       | P         | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 5412.65   | 59.81      | -14.19     | 74         | 51.44      | 31.63          | 9.85      | 33.11         | 398     | 266       | P         | H     |
|                                        |                                                                                             | 5469      | 62.31      | -5.89      | 68.2       | 53.74      | 31.78          | 9.9       | 33.11         | 398     | 266       | P         | H     |
|                                        |                                                                                             | 5459.9    | 51.01      | -2.99      | 54         | 42.49      | 31.74          | 9.89      | 33.11         | 398     | 266       | A         | H     |
|                                        | *                                                                                           | 5610      | 113.21     | -          | -          | 104.55     | 31.78          | 10.03     | 33.15         | 398     | 266       | P         | H     |
|                                        | *                                                                                           | 5610      | 105.8      | -          | -          | 97.14      | 31.78          | 10.03     | 33.15         | 398     | 266       | A         | H     |
|                                        |                                                                                             | 5725.45   | 64.71      | -3.49      | 68.2       | 55.64      | 32.05          | 10.2      | 33.18         | 398     | 266       | P         | H     |
|                                        |                                                                                             | 5455      | 63.07      | -10.93     | 74         | 54.57      | 31.72          | 9.89      | 33.11         | 241     | 230       | P         | V     |
|                                        |                                                                                             | 5469      | 63.82      | -4.38      | 68.2       | 55.25      | 31.78          | 9.9       | 33.11         | 241     | 230       | P         | V     |
|                                        |                                                                                             | 5459.9    | 51.48      | -2.52      | 54         | 42.96      | 31.74          | 9.89      | 33.11         | 241     | 230       | A         | V     |
|                                        | *                                                                                           | 5610      | 117.3      | -          | -          | 108.64     | 31.78          | 10.03     | 33.15         | 241     | 230       | P         | V     |
|                                        | *                                                                                           | 5610      | 109.92     | -          | -          | 101.26     | 31.78          | 10.03     | 33.15         | 241     | 230       | A         | V     |
|                                        |                                                                                             | 5738.225  | 65.8       | -2.4       | 68.2       | 56.7       | 32.08          | 10.21     | 33.19         | 241     | 230       | P         | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 5470~5725MHz**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 106<br>5530MHz |                                                                                             | 11060     | 45.32      | -28.68     | 74         | 51.3       | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16590     | 45.58      | -22.62     | 68.2       | 46.35      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11060     | 45.94      | -28.06     | 74         | 51.92      | 39.76          | 15.66     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16590     | 46.37      | -21.83     | 68.2       | 47.14      | 38.88          | 19.64     | 59.29          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| 802.11ac<br>VHT80<br>CH 122<br>5610MHz |                                                                                             | 11220     | 48.25      | -25.75     | 74         | 54.48      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 16830     | 46.21      | -21.99     | 68.2       | 45.03      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11220     | 48.55      | -25.45     | 74         | 54.78      | 39.42          | 15.75     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 16830     | 47.31      | -20.89     | 68.2       | 46.13      | 40.04          | 19.85     | 58.71          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |





**Band 3 - Straddle Channel**

**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

| WIFI                                             | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                             |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2+3+4                                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5392.12   | 51.05      | -22.95 | 74         | 42.77  | 31.55    | 9.84   | 33.11  | 180    | 279     | P     | H     |
|                                                  |                                                                                             | 5468.17   | 50.35      | -17.85 | 68.2       | 41.79  | 31.77    | 9.9    | 33.11  | 180    | 279     | P     | H     |
|                                                  |                                                                                             | 5392.12   | 43.39      | -10.61 | 54         | 35.11  | 31.55    | 9.84   | 33.11  | 180    | 279     | A     | H     |
|                                                  | *                                                                                           | 5720      | 122.1      | -      | -          | 113.05 | 32.04    | 10.19  | 33.18  | 180    | 279     | P     | H     |
|                                                  | *                                                                                           | 5720      | 113.96     | -      | -          | 104.91 | 32.04    | 10.19  | 33.18  | 180    | 279     | A     | H     |
|                                                  |                                                                                             | 5873.75   | 63.62      | -4.58  | 68.2       | 54.07  | 32.4     | 10.38  | 33.23  | 180    | 279     | P     | H     |
|                                                  |                                                                                             | 5447.5    | 50.91      | -23.09 | 74         | 42.44  | 31.7     | 9.88   | 33.11  | 212    | 304     | P     | V     |
|                                                  |                                                                                             | 5461.54   | 51.35      | -16.85 | 68.2       | 42.81  | 31.75    | 9.9    | 33.11  | 212    | 304     | P     | V     |
|                                                  |                                                                                             | 5404.99   | 42.69      | -11.31 | 54         | 34.35  | 31.61    | 9.84   | 33.11  | 212    | 304     | A     | V     |
|                                                  | *                                                                                           | 5720      | 123.42     | -      | -          | 114.37 | 32.04    | 10.19  | 33.18  | 212    | 304     | P     | V     |
|                                                  | *                                                                                           | 5720      | 115.8      | -      | -          | 106.75 | 32.04    | 10.19  | 33.18  | 212    | 304     | A     | V     |
|                                                  |                                                                                             | 5882.75   | 66.62      | -1.58  | 68.2       | 57.03  | 32.43    | 10.39  | 33.23  | 212    | 304     | P     | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



**Band 3 - Straddle Channel**

**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT20<br/>CH 144<br/>5720MHz</b> |                                                                                             | 5962      | 63.62      | -4.58      | 68.2       | 53.8       | 32.6           | 10.48     | 33.26         | 180     | 279       | P         | H     |
|                                                  |                                                                                             | 11440     | 54.2       | -19.8      | 74         | 60.02      | 39.7           | 15.88     | 61.4          | 200     | 282       | P         | H     |
|                                                  |                                                                                             | 11440     | 45.59      | -8.41      | 54         | 51.41      | 39.7           | 15.88     | 61.4          | 200     | 282       | A         | H     |
|                                                  |                                                                                             | 17160     | 48.57      | -19.63     | 68.2       | 45.87      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | H     |
|                                                  |                                                                                             | 5962      | 65.98      | -2.22      | 68.2       | 56.16      | 32.6           | 10.48     | 33.26         | 212     | 304       | P         | V     |
|                                                  |                                                                                             | 11440     | 61.01      | -12.99     | 74         | 66.83      | 39.7           | 15.88     | 61.4          | 100     | 353       | P         | V     |
|                                                  |                                                                                             | 11440     | 50.39      | -3.61      | 54         | 56.21      | 39.7           | 15.88     | 61.4          | 100     | 353       | A         | V     |
|                                                  |                                                                                             | 17160     | 53.89      | -14.31     | 68.2       | 51.19      | 40.28          | 20.15     | 57.73         | 100     | 0         | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 142<br>5710MHz |                                                                                             | 5456.86   | 59.01      | -14.99     | 74         | 50.5       | 31.73          | 9.89      | 33.11         | 212     | 277       | P         | H       |
|                                        |                                                                                             | 5467      | 58.81      | -9.39      | 68.2       | 50.25      | 31.77          | 9.9       | 33.11         | 212     | 277       | P         | H       |
|                                        |                                                                                             | 5454.91   | 51.58      | -2.42      | 54         | 43.08      | 31.72          | 9.89      | 33.11         | 212     | 277       | A         | H       |
|                                        | *                                                                                           | 5710      | 119.59     | -          | -          | 110.58     | 32.02          | 10.17     | 33.18         | 212     | 277       | P         | H       |
|                                        | *                                                                                           | 5710      | 111.81     | -          | -          | 102.8      | 32.02          | 10.17     | 33.18         | 212     | 277       | A         | H       |
|                                        |                                                                                             | 5877.5    | 65.61      | -2.59      | 68.2       | 56.04      | 32.41          | 10.39     | 33.23         | 212     | 277       | P         | H       |
|                                        |                                                                                             | 5459.59   | 60.93      | -13.07     | 74         | 52.41      | 31.74          | 9.89      | 33.11         | 228     | 304       | P         | V       |
|                                        |                                                                                             | 5462.71   | 59.78      | -8.42      | 68.2       | 51.24      | 31.75          | 9.9       | 33.11         | 228     | 304       | P         | V       |
|                                        |                                                                                             | 5454.13   | 52.24      | -1.76      | 54         | 43.74      | 31.72          | 9.89      | 33.11         | 228     | 304       | A         | V       |
|                                        | *                                                                                           | 5710      | 122.5      | -          | -          | 113.49     | 32.02          | 10.17     | 33.18         | 228     | 304       | P         | V       |
|                                        | *                                                                                           | 5710      | 116.22     | -          | -          | 107.21     | 32.02          | 10.17     | 33.18         | 228     | 304       | A         | V       |
|                                        |                                                                                             | 5883.75   | 65.39      | -2.81      | 68.2       | 55.79      | 32.44          | 10.39     | 33.23         | 228     | 304       | 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 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|---------|
| 1+2+3+4                                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| <b>802.11ac<br/>VHT40<br/>CH 142<br/>5710MHz</b> |                                                                                             | 11420     | 55.22      | -18.78     | 74         | 61.05      | 39.7           | 15.87     | 61.4           | 200     | 266       | P         | H       |
|                                                  |                                                                                             | 11420     | 45.52      | -8.48      | 54         | 51.35      | 39.7           | 15.87     | 61.4           | 200     | 266       | A         | H       |
|                                                  |                                                                                             | 17130     | 54.42      | -13.78     | 68.2       | 51.96      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | H       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H       |
|                                                  |                                                                                             | 11420     | 57.54      | -16.46     | 74         | 63.37      | 39.7           | 15.87     | 61.4           | 100     | 353       | P         | V       |
|                                                  |                                                                                             | 11420     | 47.37      | -6.63      | 54         | 53.2       | 39.7           | 15.87     | 61.4           | 100     | 353       | A         | V       |
|                                                  |                                                                                             | 17130     | 55.03      | -13.17     | 68.2       | 52.57      | 40.19          | 20.12     | 57.85          | 100     | 0         | P         | V       |
|                                                  |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V       |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |         |



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

| WIFI Ant.                                        | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|-------|
| 1+2+3+4                                          |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| <b>802.11ac<br/>VHT80<br/>CH 138<br/>5690MHz</b> |                                                                                             | 5447.11   | 57.62      | -16.38     | 74         | 49.16      | 31.69          | 9.88      | 33.11         | 211     | 282       | P         | H     |
|                                                  |                                                                                             | 5463.1    | 59.72      | -8.48      | 68.2       | 51.18      | 31.75          | 9.9       | 33.11         | 211     | 282       | P         | H     |
|                                                  |                                                                                             | 5455.69   | 50.9       | -3.1       | 54         | 42.4       | 31.72          | 9.89      | 33.11         | 211     | 282       | A         | H     |
|                                                  | *                                                                                           | 5690      | 115.94     | -          | -          | 107.02     | 31.94          | 10.15     | 33.17         | 211     | 282       | P         | H     |
|                                                  | *                                                                                           | 5690      | 112.97     | -          | -          | 104.05     | 31.94          | 10.15     | 33.17         | 211     | 282       | A         | H     |
|                                                  |                                                                                             | 5867.5    | 62.83      | -5.37      | 68.2       | 53.32      | 32.37          | 10.37     | 33.23         | 211     | 282       | P         | H     |
|                                                  |                                                                                             | 5459.98   | 58.3       | -15.7      | 74         | 49.78      | 31.74          | 9.89      | 33.11         | 225     | 303       | P         | V     |
|                                                  |                                                                                             | 5460.37   | 58.59      | -9.61      | 68.2       | 50.07      | 31.74          | 9.89      | 33.11         | 225     | 303       | P         | V     |
|                                                  |                                                                                             | 5458.81   | 49.93      | -4.07      | 54         | 41.41      | 31.74          | 9.89      | 33.11         | 225     | 303       | A         | V     |
|                                                  | *                                                                                           | 5690      | 117.26     | -          | -          | 108.34     | 31.94          | 10.15     | 33.17         | 225     | 303       | P         | V     |
|                                                  | *                                                                                           | 5690      | 111.08     | -          | -          | 102.16     | 31.94          | 10.15     | 33.17         | 225     | 303       | A         | V     |
|                                                  |                                                                                             | 5851.3    | 65.61      | -2.59      | 68.2       | 56.16      | 32.31          | 10.36     | 33.22         | 225     | 303       | P         | V     |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |               |         |           |           |       |



**Band 3 - Straddle Channel**

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

| WIFI Ant.                              | Note                                                                                        | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2+3+4                                |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11ac<br>VHT80<br>CH 138<br>5690MHz |                                                                                             | 11380     | 48.98      | -25.02     | 74         | 54.87      | 39.66          | 15.85     | 61.4           | 100     | 0         | P         | H     |
|                                        |                                                                                             | 17070     | 47.33      | -20.87     | 68.2       | 45.26      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | H     |
|                                        |                                                                                             | 11380     | 48.83      | -25.17     | 74         | 54.72      | 39.66          | 15.85     | 61.4           | 100     | 0         | P         | V     |
|                                        |                                                                                             | 17070     | 47.68      | -20.52     | 68.2       | 45.61      | 40.07          | 20.07     | 58.07          | 100     | 0         | P         | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
|                                        |                                                                                             |           |            |            |            |            |                |           |                |         |           |           | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



**Emission below 1GHz**

**WIFI 802.11ac VHT20 (LF @ 3m)**

| WIFI                    | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                    |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2+3+4                 |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT20<br>LF |                                                                            | 45.52     | 23.83      | -16.17 | 40         | 38.94    | 16.32    | 0.94   | 32.37  | -      | -       | P       | H       |
|                         |                                                                            | 91.11     | 30.11      | -13.39 | 43.5       | 46.35    | 14.76    | 1.33   | 32.33  | -      | -       | P       | H       |
|                         |                                                                            | 284.14    | 31.92      | -14.08 | 46         | 43.11    | 18.76    | 2.24   | 32.19  | -      | -       | P       | H       |
|                         |                                                                            | 597.45    | 28.6       | -17.4  | 46         | 32.2     | 25.41    | 3.2    | 32.21  | -      | -       | P       | H       |
|                         |                                                                            | 779.81    | 30.56      | -15.44 | 46         | 30.79    | 27.98    | 3.72   | 31.93  | -      | -       | P       | H       |
|                         |                                                                            | 957.32    | 33.62      | -12.38 | 46         | 29.37    | 30.89    | 4.18   | 30.82  | 100    | 0       | P       | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                         |                                                                            | 44.55     | 30.74      | -9.26  | 40         | 45.38    | 16.8     | 0.93   | 32.37  | 100    | 0       | P       | V       |
|                         |                                                                            | 106.63    | 27.45      | -16.05 | 43.5       | 41.78    | 16.56    | 1.42   | 32.31  | -      | -       | P       | V       |
|                         |                                                                            | 270.56    | 26.87      | -19.13 | 46         | 38.05    | 18.84    | 2.18   | 32.2   | -      | -       | P       | V       |
|                         |                                                                            | 496.57    | 24.79      | -21.21 | 46         | 30.38    | 23.69    | 2.88   | 32.16  | -      | -       | P       | V       |
|                         |                                                                            | 593.57    | 27.54      | -18.46 | 46         | 31.09    | 25.46    | 3.2    | 32.21  | -      | -       | P       | V       |
|                         |                                                                            | 866.14    | 32.82      | -13.18 | 46         | 31.11    | 29.28    | 3.96   | 31.53  | -      | -       | P       | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                         |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



**Note symbol**

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



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

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

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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



## Appendix D. Radiated Spurious Emission

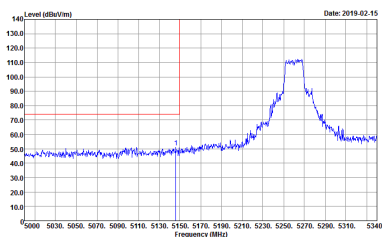
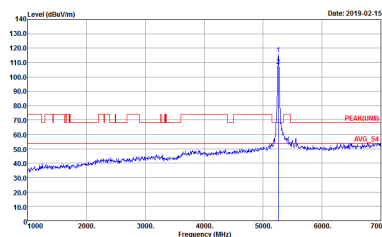
|                        |                               |                            |         |
|------------------------|-------------------------------|----------------------------|---------|
| <b>Test Engineer :</b> | Hao Hsu, Ken Wu, and JC Liang | <b>Temperature :</b>       | 20~25°C |
|                        |                               | <b>Relative Humidity :</b> | 50~55%  |

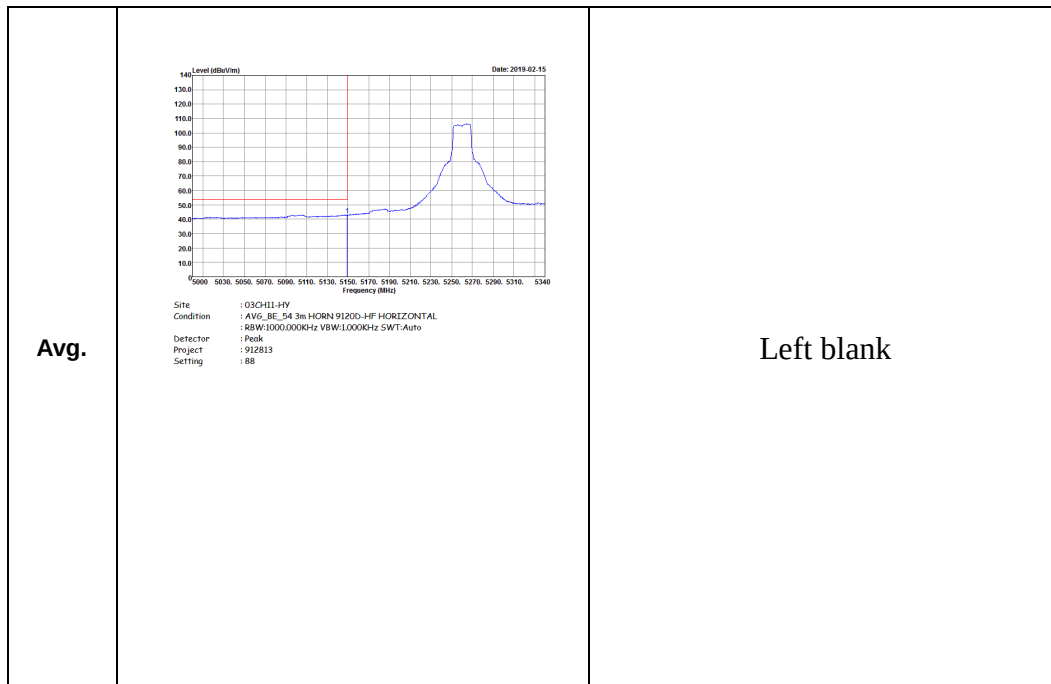
### Note symbol

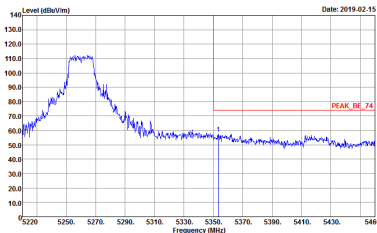
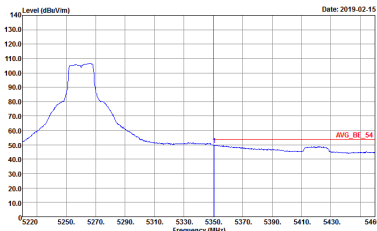
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |

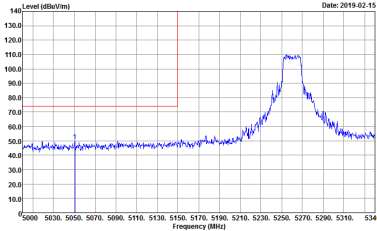
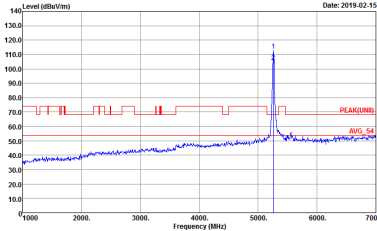
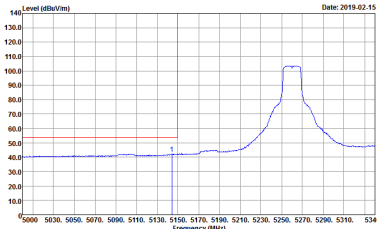
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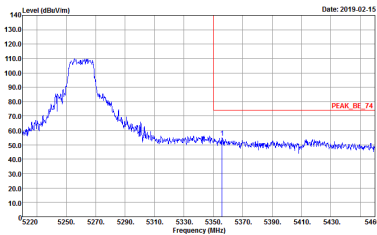
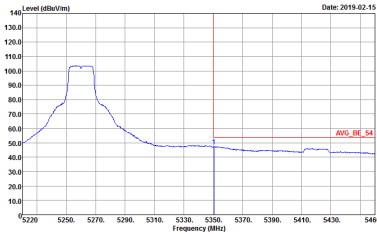
**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

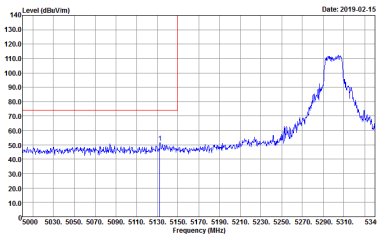
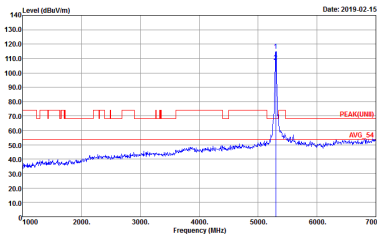
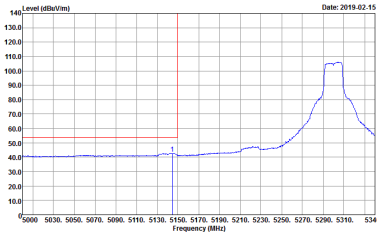
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                                     |
| Peak |  <p>           Site : 03CHI1-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 912813<br/>           Setting : 88         </p> |  <p>           Site : 03CHI1-HY<br/>           Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 912813<br/>           Setting : 88         </p> |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a 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 : 912813<br/>           Setting : 88         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p> | Left blank  |

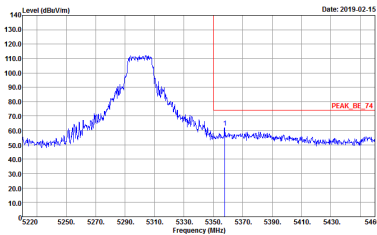
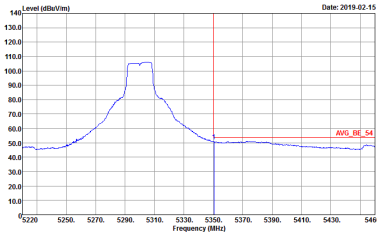
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                               |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH52 5260MHz - L                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                                                                                   |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 912813<br/>           Setting : 88         </p> |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Project : 912813<br/>           Setting : 88         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>           Project : 912813<br/>           Setting : 88         </p>   | Left blank                                                                                                                                                                                                                                                                                                                    |

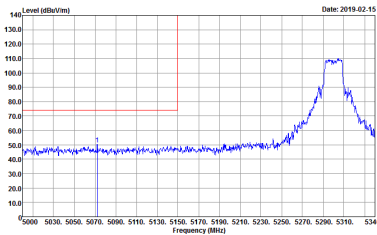
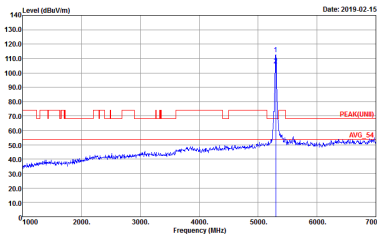
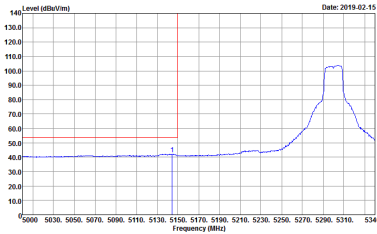
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                        |             |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH52 5260MHz - R                                                                                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p> | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                 |
| 1    | Horizontal                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                     |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p>   | Left blank                                                                                                                                                                                                                                                      |

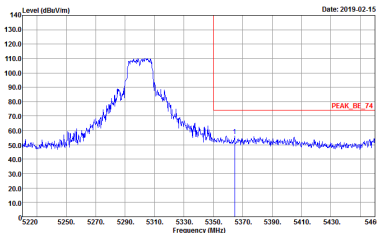
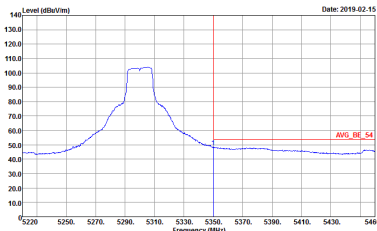


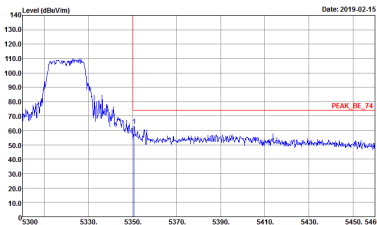
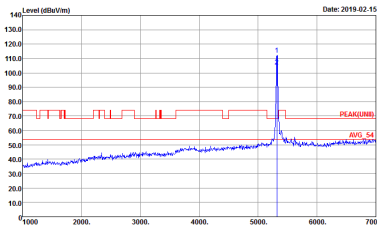
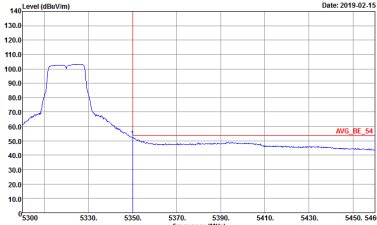


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 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 : 912813<br/>           Setting : 88         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p> | Left blank  |

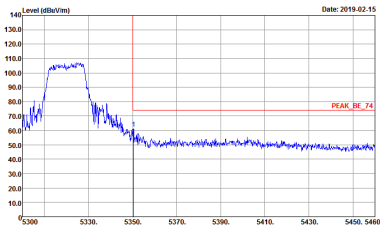
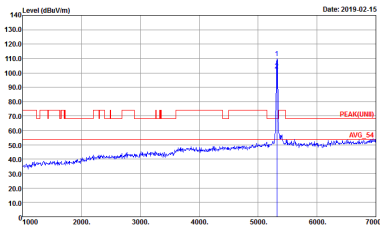
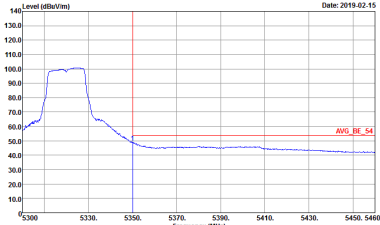
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH60 5300MHz - L                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                   |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p>   | Left blank                                                                                                                                                                                                                                                    |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11a CH60 5300MHz - R                                                                                                                                                                                                  |             |
| 1    | Vertical                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p> | Left blank  |

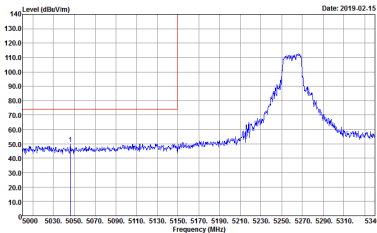
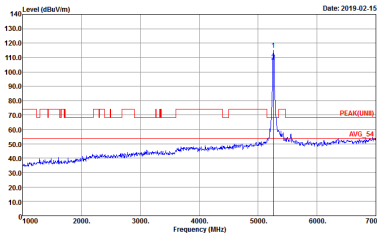
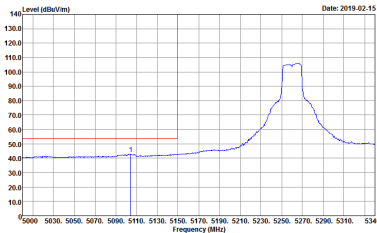
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                        |                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 74</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 74</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 74</p> | Left blank                                                                                                                                                                                                                  |

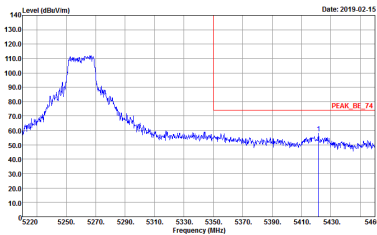
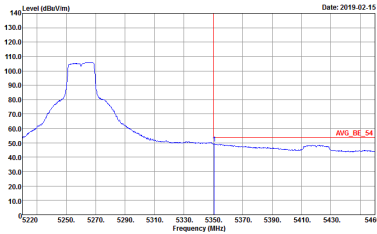


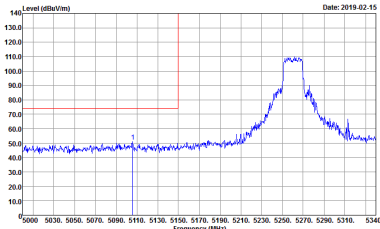
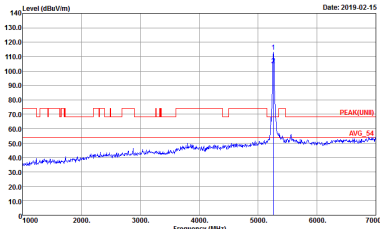
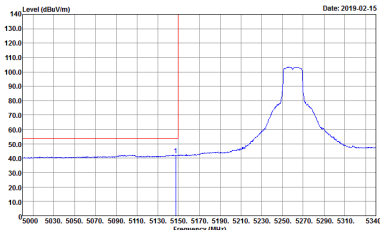
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH64 5320MHz                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                         |
| 1    | Vertical                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                             |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 74</p></div> | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 74</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 74</p></div>   | Left blank                                                                                                                                                                                                                                                              |



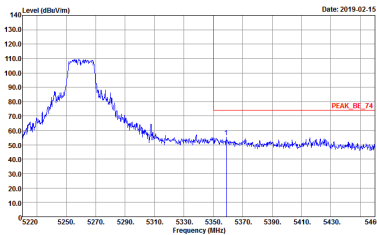
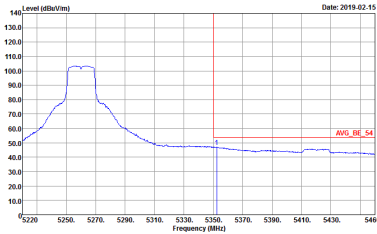
Band 2 5250~5350MHz  
WIFI 802.11ac VHT20 (Band Edge @ 3m)

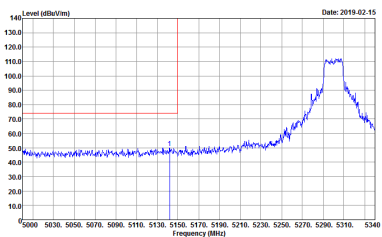
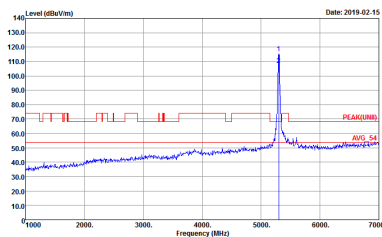
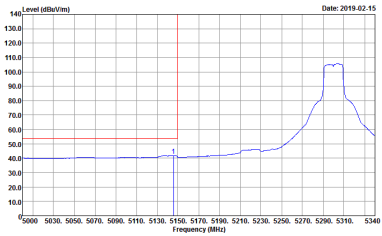
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                          |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH52 5260MHz - L                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                              |
| Peak |  <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 : 912813<br/>Setting : 88</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL<br/>RBW:1000.000KHz VBW:1.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p>   | Left blank                                                                                                                                                                                                                                                               |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 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 : 912813<br/>Setting : 88</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p> | Left blank  |

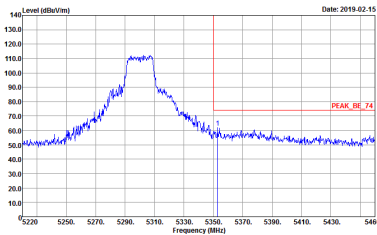
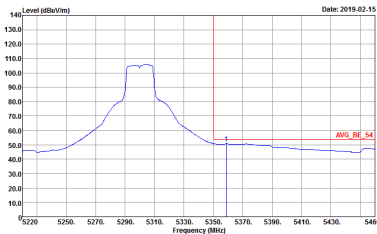
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH52 5260MHz - L                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                                               |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p>  |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p> |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p> | Left blank                                                                                                                                                                                                                                                                                |

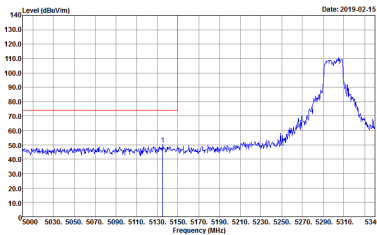
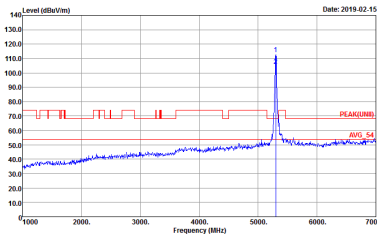
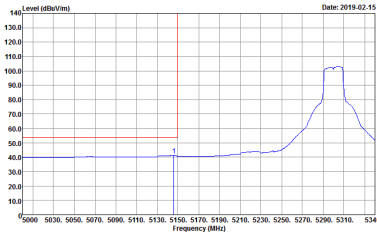


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH52 5260MHz - R                                                                                                                                                                                           |             |
| 1    | Vertical                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p> | Left blank  |

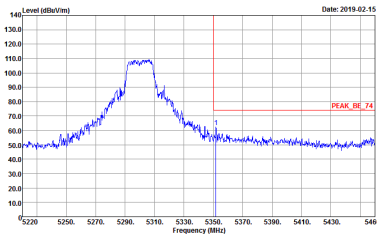
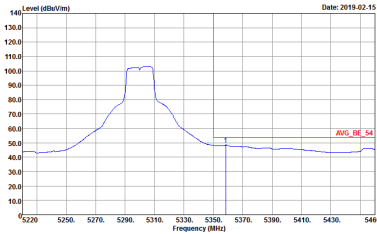
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH60 5300MHz - L                                                                                                                                                                                             |                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p> | Left blank                                                                                                                                                                                                                  |

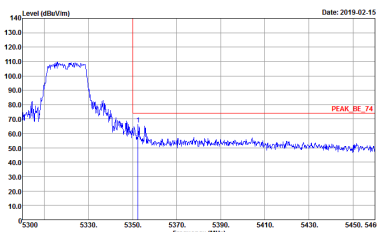
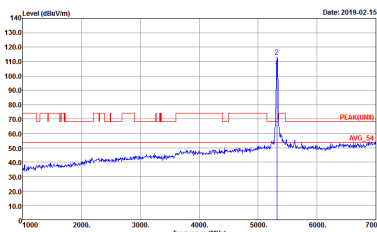
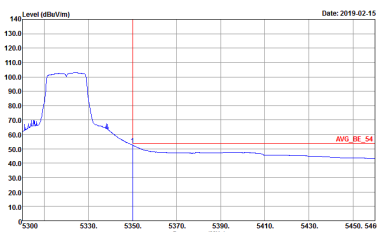


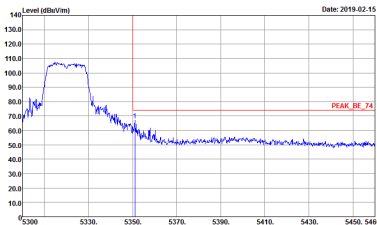
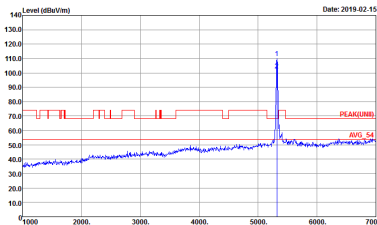
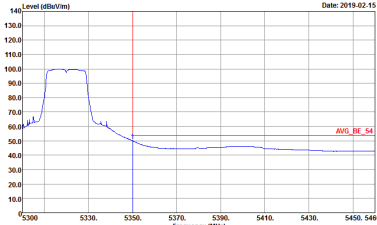
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 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 : 912813<br/>           Setting : 88         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 88         </p> | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH60 5300MHz - L                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                   |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : 912813<br/>Setting : 88</p>   | Left blank                                                                                                                                                                                                                                                    |

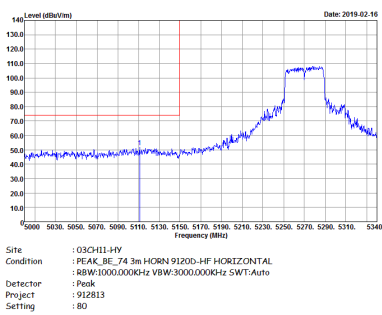
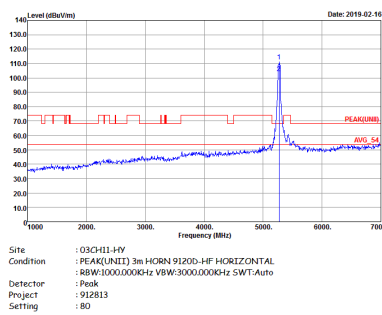
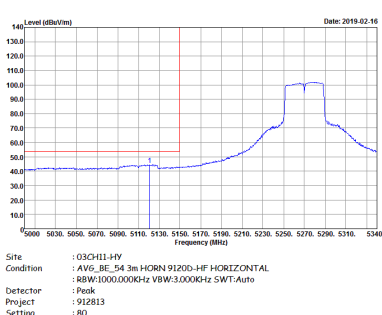


| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                        |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT20 CH60 5300MHz - R                                                                                                                                                                                           |             |
| 1    | Vertical                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 88</p> | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH64 5320MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 74</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 74</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 74</p> | Left blank                                                                                                                                                                                                                  |

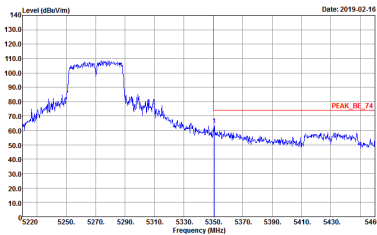
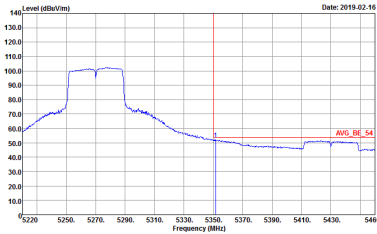
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH64 5320MHz                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| 1    | Vertical                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                                   |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 74</p> |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 74</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br/>Project : 912813<br/>Setting : 74</p>   | Left blank                                                                                                                                                                                                                                                    |

**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

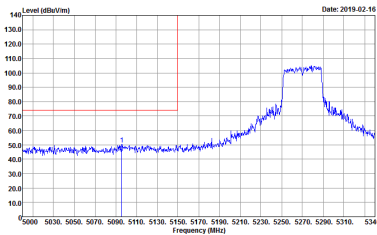
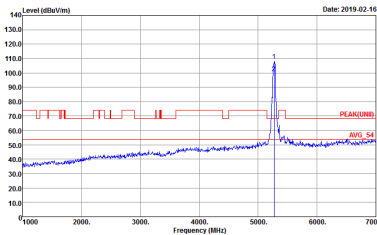
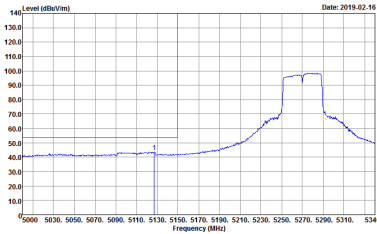
| WIFI        | Band 2 5250~5350MHz Band Edge @ 3m                                                  |                                                                                    |
|-------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| ANT         | 802.11ac VHT40 CH54 5270 - L                                                        |                                                                                    |
| 1           | Horizontal                                                                          | Fundamental                                                                        |
| <b>Peak</b> |    |  |
| <b>Avg.</b> |  | <b>Left blank</b>                                                                  |

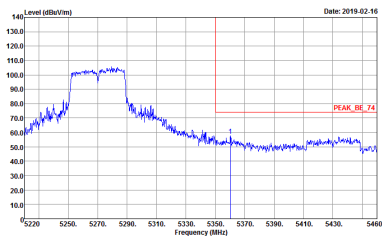
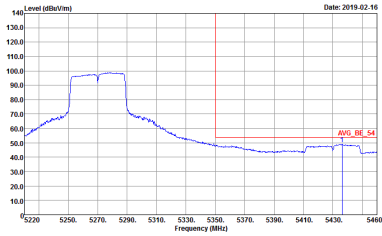


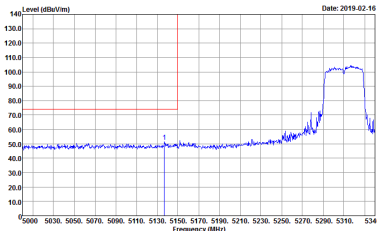
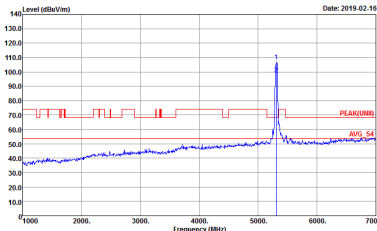
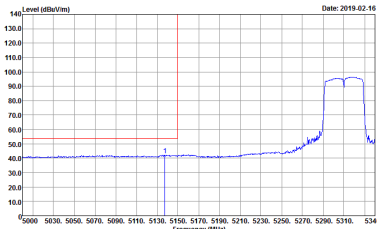


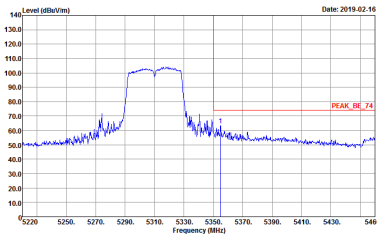
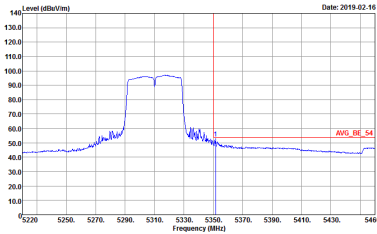
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT40 CH54 5270 - R                                                                                                                                                                                                |             |
| 1    | Horizontal                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 80</p>  | Left blank  |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 80</p> | Left blank  |



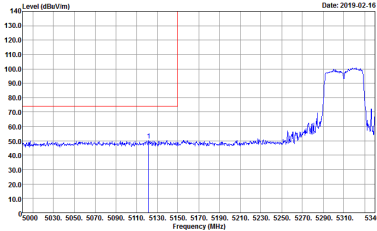
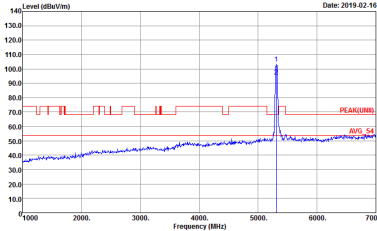
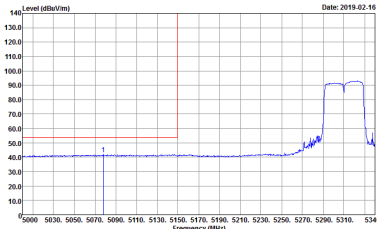
| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH54 5270 - L                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                             |
| 1    | Vertical                                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                                 |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 80</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 80</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 80</p></div> | Left blank                                                                                                                                                                                                                                                                                  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                     |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT40 CH54 5270 - R                                                                                                                                                                                                                                           |             |
| 1    | Vertical                                                                                                                                                                                                                                                               | Fundamental |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 80</p>  | Left blank  |
| 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 : 912813<br/>Setting : 80</p> | Left blank  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH62 5310 - L                                                                                                                                                                                                |                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 60</p>  |  <p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 60</p> |
| Avg. |  <p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>Detector : Peak<br/>Project : 912813<br/>Setting : 60</p> | Left blank                                                                                                                                                                                                                  |

| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                                          |             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ANT  | 802.11ac VHT40 CH62 5310 - R                                                                                                                                                                                                                                                                |             |
| 1    | Horizontal                                                                                                                                                                                                                                                                                  | Fundamental |
| Peak |  <p>           Site : 03CH11-HY<br/>           Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 60         </p>  | Left blank  |
| Avg. |  <p>           Site : 03CH11-HY<br/>           Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL<br/>           Detector : Peak<br/>           Project : 912813<br/>           Setting : 60         </p> | Left blank  |



| WIFI | Band 2 5250~5350MHz Band Edge @ 3m                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH62 5310 - L                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                         |
| 1    | Vertical                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                             |
| Peak | <div><p>Site : 03CH11-HY<br/>Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 60</p></div>  | <div><p>Site : 03CH11-HY<br/>Condition : PEAK(UNIT) 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 60</p></div> |
| Avg. | <div><p>Site : 03CH11-HY<br/>Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 912813<br/>Setting : 60</p></div> | Left blank                                                                                                                                                                                                                                                              |